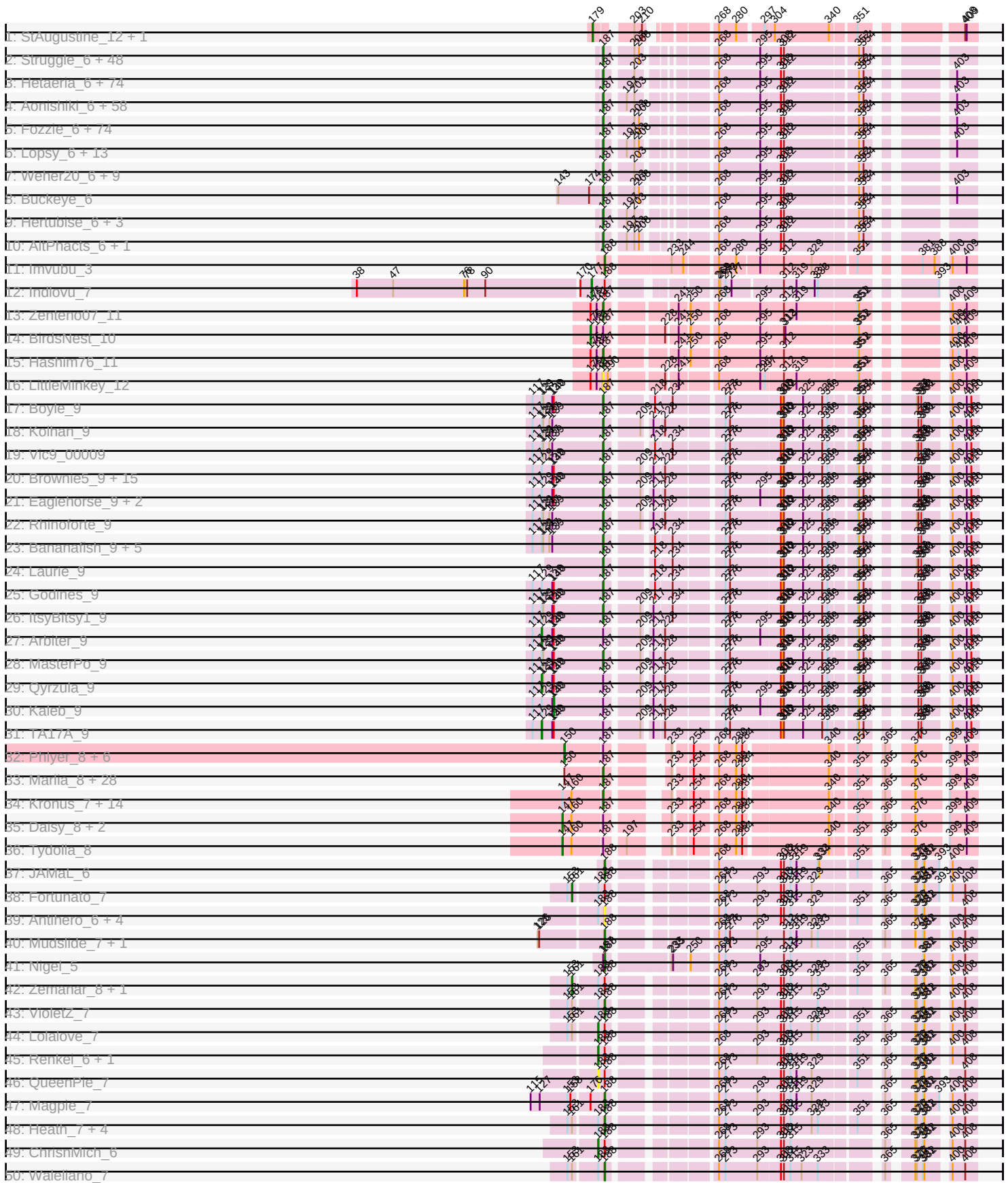
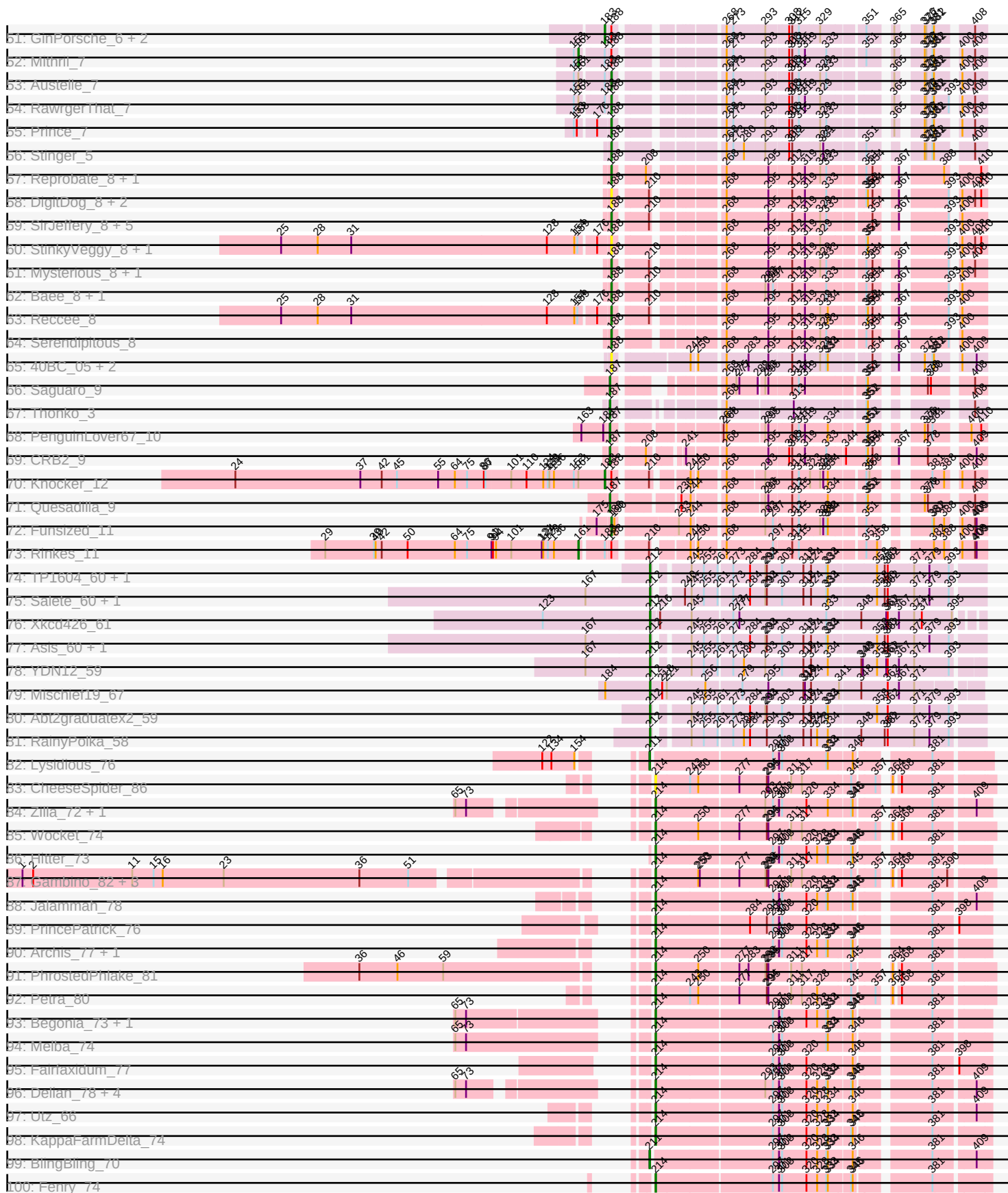
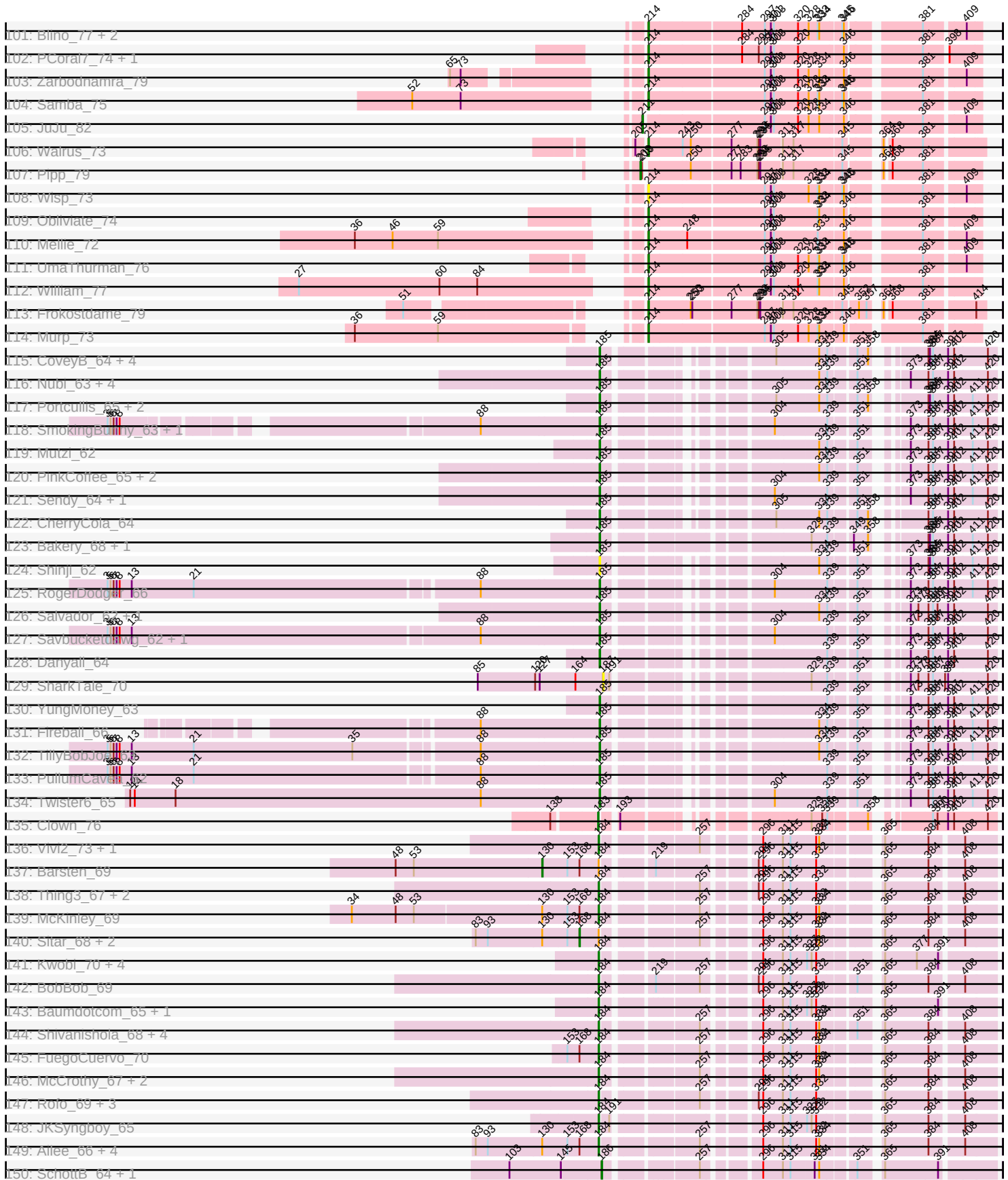
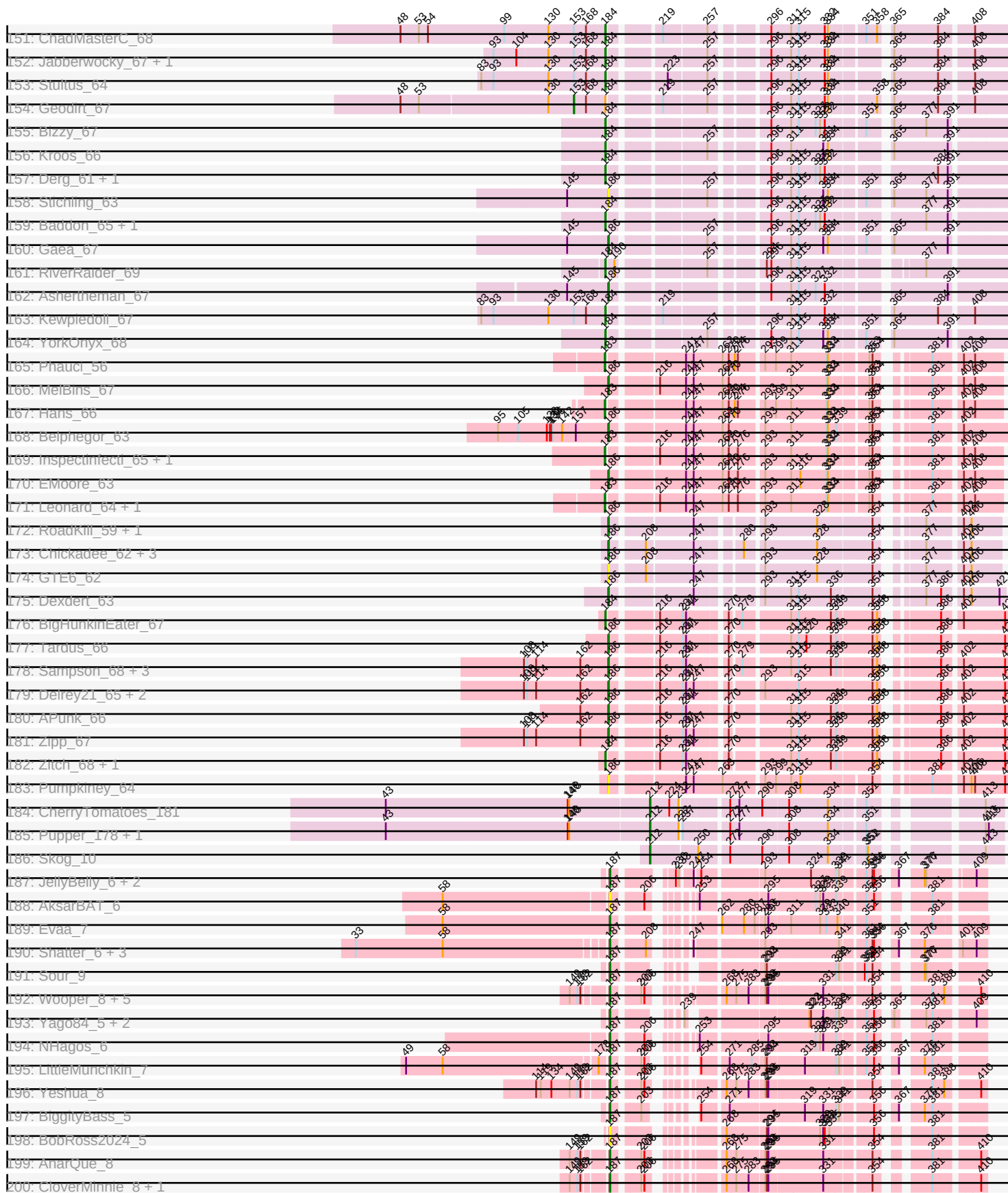




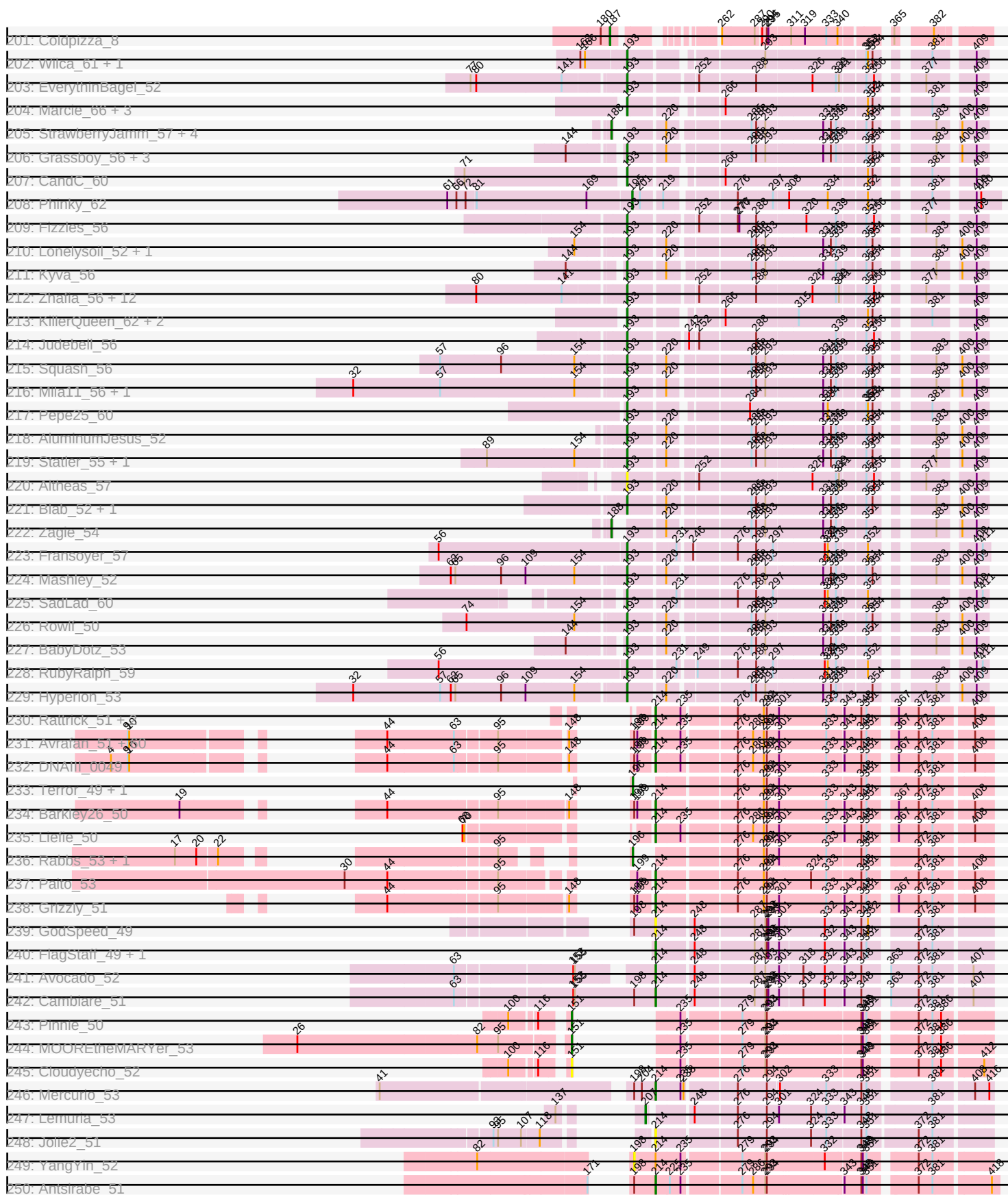




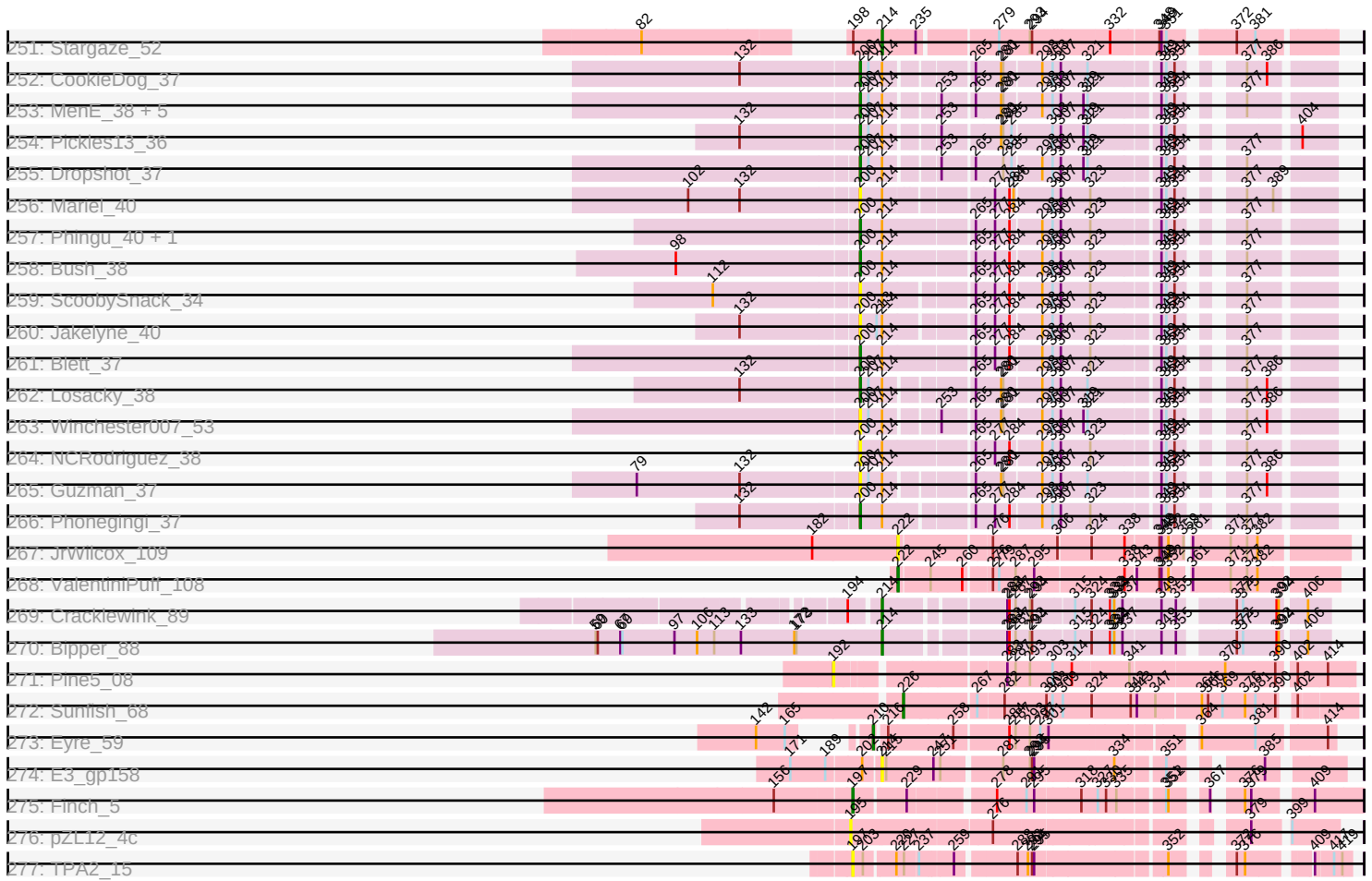
Pham 304566



Pham 304566



Pham 304566



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 304566 Report

This analysis was run 06/08/26 on database version 649.

Pham number 304566 has 842 members, 99 are drafts.

Phages represented in each track:

- Track 1 : StAugustine_12, Causa_14
- Track 2 : 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 3 : Hetaeria_6, Virgeve_6, HenryJackson_6, RedMaple_6, Childish_6, Kloppinator_6, Legolas_6, Pops_6, Timmi_6, Pherdinand_6, Newman_6, Craff_6, LostAndPhound_6, Oosterbaan_6, Haimas_6, Megatron_6, Aelin_6, Mana_6, Valjean_6, Kahve_6, TomBombadil_6, HighStump_6, BlacksBerry_6, Lulumae_6, Xavier_6, Vaishali24_6, TallGrassMM_6, Roy17_6, Pipsqueak_6, Held_6, Squiggle_6, Yoshand_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, Solosis_6, SassyCat97_6, JangoPhett_6, Antonia_6, Triad_6, FriarPreacher_6, Giraffe_6, Mecca_6, Virapocalypse_6, MitKao_6, Apizium_6, Cornbread_6, CheetO_6, Serpentine_006, Phareon_6, Telesworld_6, Fringe_6, UAch1_6, Gwilliam_6, Murdoc_6, Manad_6, Waterdiva_6, Hekos_6, Cornobble_6, Schadenfreude_6, Piglet_006, Inverness_6, Squid_6, Vivaldi_6, Hocus_6
- Track 4 : Aonishiki_6, Colbert_6, Morty_6, Skippy_6, DoesntMatter_6, DonSanchon_6, Riggan_6, PhrodoBaggins_6, ShiVal_6, Serendipity_6, Surely_6, True_6, Anderson_6, Iridoclysis_6, Gophee_6, Usavi_6, Zaidier_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_6, Bishoperium_6, Banjo_6, Dice_6, Slatt_6, Keitherie_6, Kikipoo_6, Vortex_6, IsaacEli_6, Spartan300_6, PinheadLarry_6, ShadowBud_6, Larson_7, Mosaic_6, Chorkpop_6, Bluephacebaby_6, Gareth_6, CamL_6, Cannibal_6, Jillium_6, Podrick_6, Quisquilliae_6, HSavage_6, Morgushi_6, Kwadwo_6, Numberten_6, Mcshane_6
- Track 5 : Fozzie_6, Brilliant_6, Orion_6, Swish_6, Eugenia_6, Adriana_6, Robyn_6, ThreeOh3D2_6, DaddyDaniels_6, Matalotodo_6, Orwigg_6, Grand2040_6, OneBrain_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, TooFast2Furius_7, Fang_6, Durga_6, Emiris_6, Nathan_6, Chah_6, Jiminy_6,

Soto_6, JDog_6, ABU_6, YouGoGlencoco_6, Nova1_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, Megamind20_7, Zonia_6,
 KingTut_6, Haleema_6, OSmaximus_6, Lego3393_6, Duggie_6, PG1_6, Aleia_6,
 Mulan_6, Iridessa_6, LeiMonet_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 6 : Lopsy_6, GreenChile_7, 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 7 : Weher20_6, PallasAthena_7, AngelCake_6, NiaNia_6, Hartsy_6,
 Inchworm_6, CampRoach_6, LasagnaCat_6, Magic8_6, Dati_6
 • Track 8 : Buckeye_6
 • Track 9 : Hertubise_6, Thora_6, Puhltonio_6, Beaglebox_6
 • Track 10 : AltPhacts_6, KingVeVeVe_6
 • Track 11 : Imvubu_3
 • Track 12 : Indlovu_7
 • Track 13 : Zenteno07_11
 • Track 14 : BirdsNest_10
 • Track 15 : Hashim76_11
 • Track 16 : LittleMinkey_12
 • Track 17 : Boyle_9
 • Track 18 : Kolhan_9
 • Track 19 : Vic9_00009
 • Track 20 : Brownie5_9, Calamitous_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 21 : Eaglehorse_9, Glass_9, FrenchFry_9
 • Track 22 : Rhinoforte_9
 • Track 23 : Bananafish_9, PrinceCharming_9, Blocker23_9, Faze9_9, Tres_9,
 Coffee_9
 • Track 24 : Laurie_9
 • Track 25 : Godines_9
 • Track 26 : ItsyBitsy1_9
 • Track 27 : Arbiter_9
 • Track 28 : MasterPo_9
 • Track 29 : Qyrzula_9
 • Track 30 : Kaleb_9
 • Track 31 : TA17A_9
 • Track 32 : Phlyer_8, Yahalom_8, Jackstina_7, Philly_7, RomaT_8, Pipefish_8,
 Athena_9
 • Track 33 : Marlia_8, Morty007_8, SynergyX_8, Phayeta_8, Gervas_8, HarveySr_8,
 Marley1013_8, RagingRooster_8, SwainyDoc_8, Casbah_7, Neos5_8, Rita1961_8,
 Halfpint_7, Bernardo_8, Heathcliff_8, Mortcellus_7, Deenasa_8, Kamiyu_8,
 Corofin_8, GlenHope_9, Compostia_8, Obutu_8, Olivio_7, Chandler_8, Glubnar_8,
 Mulaychimius_8, Chalmers_8, Chentzyk_7, LestyG_8
 • Track 34 : Kronus_7, Audrey_8, Devonte_8, Gadget_9, Baloo_8, Akoma_8,
 Ben11_7, Shenandoah_8, TinyTerror_8, Nozo_8, ChaChing_8, Abinghost_8,
 MmasiCarm_8, SlippinJimmy_8, Yinz_8
 • Track 35 : Daisy_8, OrangeOswald_8, Briakila_8
 • Track 36 : Tydolla_8
 • Track 37 : JAMaL_6
 • Track 38 : Fortunato_7

- Track 39 : Antihero_6, Ahwei_6, Lambano_6, Epah_6, Hally898_6
- Track 40 : Mudslide_7, BrownCNA_7
- Track 41 : Nigel_5
- Track 42 : Zemanar_8, Frederick_7
- Track 43 : VioletZ_7
- Track 44 : Lolalove_7
- Track 45 : Renkei_6, LittleDigger_6
- Track 46 : QueenPie_7
- Track 47 : Magpie_7
- Track 48 : Heath_7, JoyceMaria_7, BobbyK_7, Hangman_7, Hydro_7
- Track 49 : ChrisnMich_6
- Track 50 : Waleliano_7
- Track 51 : GinPorsche_6, Poster_6, Nanao_6
- Track 52 : Mithril_7
- Track 53 : Austelle_7
- Track 54 : RawrgerThat_7
- Track 55 : Prince_7
- Track 56 : Stinger_5
- Track 57 : Reprobate_8, Phelemich_8
- Track 58 : DigitDog_8, Shenyu_8, Nangang_8
- Track 59 : SirJeffery_8, Suigeneris_8, Acadian_8, Rita130_8, Donny_8, EastView9101_8
- Track 60 : StinkyVeggy_8, KarasumaRum_8
- Track 61 : Mysterious_8, Nehemiah_7
- Track 62 : Baee_8, Rich_8
- Track 63 : Reccee_8
- Track 64 : Serendipitous_8
- Track 65 : 40BC_05, 39HC_05, Hosp_03
- Track 66 : Saguaro_9
- Track 67 : Thonko_3
- Track 68 : PenguinLover67_10
- Track 69 : CRB2_9
- Track 70 : Knocker_12
- Track 71 : Quesadilla_9
- Track 72 : Funsized_11
- Track 73 : Rinkes_11
- Track 74 : TP1604_60, BabyGotBac_61
- Track 75 : Salete_60, BayC_60
- Track 76 : Xkcd426_61
- Track 77 : Asis_60, Maih_59
- Track 78 : YDN12_59
- Track 79 : Mischief19_67
- Track 80 : Abt2graduatex2_59
- Track 81 : RainyPolka_58
- Track 82 : Lysidious_76
- Track 83 : CheeseSpider_86
- Track 84 : Zilla_72, Barco_72
- Track 85 : Wocket_74
- Track 86 : Hitter_73
- Track 87 : Gambino_82, Blueberry_79, Azula_80, MissRona_80
- Track 88 : Jalammah_78
- Track 89 : PrincePatrick_76
- Track 90 : Archis_77, ZiggyZoo_76

- Track 91 : PhrostedPhlake_81
- Track 92 : Petra_80
- Track 93 : Begonia_73, Malachai_73
- Track 94 : Melba_74
- Track 95 : Fairfaxidum_77
- Track 96 : Delian_78, CaptainKirk2_75, Guacamole_73, JasperJr_73, MintFen_75
- Track 97 : Utz_66
- Track 98 : KappaFarmDelta_74
- Track 99 : BlingBling_70
- Track 100 : Fenry_74
- Track 101 : Blino_77, Soilmate_79, CarolAnn_76
- Track 102 : PCoral7_74, Toast_74
- Track 103 : Zarbodnamra_79
- Track 104 : Samba_75
- Track 105 : JuJu_82
- Track 106 : Walrus_73
- Track 107 : Pipp_79
- Track 108 : Wisp_73
- Track 109 : Obliviate_74
- Track 110 : Mellie_72
- Track 111 : UmaThurman_76
- Track 112 : William_77
- Track 113 : Frokostdame_79
- Track 114 : Murp_73
- Track 115 : CoveyB_64, Valary_64, VanDeWege_65, Gezellig_61, Wizard_61
- Track 116 : Nubi_63, Barb_65, Fugax_66, ClamChowder_65, KimmyK_64
- Track 117 : Portcullis_65, Halo3_62, JohnPork_66
- Track 118 : SmokingBunny_63, Togo_62
- Track 119 : Mutzi_62
- Track 120 : PinkCoffee_65, Arri_64, Phlop_61
- Track 121 : Sendy_64, Egi03_63
- Track 122 : CherryCola_64
- Track 123 : Bakery_68, Sixsevenium_66
- Track 124 : Shinji_62
- Track 125 : RogerDodger_66
- Track 126 : Salvador_62, Evamon_62
- Track 127 : Savbucketdawg_62, Jambalaya_62
- Track 128 : Danyall_64
- Track 129 : SharkTale_70
- Track 130 : YungMoney_63
- Track 131 : Fireball_66
- Track 132 : TillyBobJoe_63
- Track 133 : PullumCavea_62
- Track 134 : Twister6_65
- Track 135 : Clown_76
- Track 136 : Vivi2_73, Nordenberg_67
- Track 137 : Barsten_69
- Track 138 : Thing3_67, Kamashten_67, Brandonk123_73
- Track 139 : McKinley_69
- Track 140 : Sitar_68, Bibwit_67, Lennon_68
- Track 141 : Kwobi_70, Flatwoods_67, Gustavo_68, Saronaya_68, StorminNorm_67
- Track 142 : BobBob_69
- Track 143 : Baumdotcom_65, Tangerine_67

- Track 144 : Shivanishola_68, MoontowerMania_68, Affeca_69, Love_73, Angelicage_67
- Track 145 : FuegoCuervo_70
- Track 146 : McCrothy_67, Galadriel_68, Paries_70
- Track 147 : Rofo_69, Tangent_71, Charming_72, Fosterous_71
- Track 148 : JKSyngboy_65
- Track 149 : Ailee_66, Sedona_67, Fitzgerald_67, Keitabear_67, Sanjuju_67
- Track 150 : SchottB_64, LilHam_61
- Track 151 : ChadMasterC_68
- Track 152 : Jabberwocky_67, Brawn1_66
- Track 153 : Stultus_64
- Track 154 : Geodirt_67
- Track 155 : Bizzy_67
- Track 156 : Kroos_66
- Track 157 : Derg_61, Ribeye_67
- Track 158 : Stichling_63
- Track 159 : Baddon_65, Tycho_65
- Track 160 : Gaea_67
- Track 161 : RiverRaider_69
- Track 162 : Ashertheman_67
- Track 163 : Kewpiedoll_67
- Track 164 : YorkOnyx_68
- Track 165 : Phauci_56
- Track 166 : MelBins_67
- Track 167 : Hans_66
- Track 168 : Belphegor_63
- Track 169 : Inspectinfecti_65, Ali17_61
- Track 170 : EMOore_63
- Track 171 : Leonard_64, Phinally_64
- Track 172 : RoadKill_59, EdmundFerry_59
- Track 173 : Chickadee_62, Twonlo_60, Kwekel_62, Tiamoceli_62
- Track 174 : GTE6_62
- Track 175 : Dexdert_63
- Track 176 : BigHunkinEater_67
- Track 177 : Tardus_66
- Track 178 : Sampson_68, Natkenzie_66, Abblin_66, Scioto_67
- Track 179 : Delrey21_65, DoctorFroggo_65, Verity_65
- Track 180 : APunk_66
- Track 181 : Zipp_67
- Track 182 : Zitch_68, ViaConlectus_65
- Track 183 : Pumpkiney_64
- Track 184 : CherryTomatoes_181
- Track 185 : Pupper_178, SCentae_177
- Track 186 : Skog_10
- Track 187 : JellyBelly_6, CharlottesWeb_6, Mariokart_6
- Track 188 : AksarBAT_6
- Track 189 : Evaa_7
- Track 190 : Shatter_6, Ligma_6, Fresco_6, Axumite_6
- Track 191 : Sour_9
- Track 192 : Wooper_8, MossRose_8, FelixTres_8, CaiB_8, TraderJ_8, MakoManhole_8
- Track 193 : Yago84_5, Sisko_5, AnClar_5
- Track 194 : NHagos_6

- Track 195 : LittleMunchkin_7
- Track 196 : Yeshua_8
- Track 197 : BiggityBass_5
- Track 198 : BobRoss2024_5
- Track 199 : AnarQue_8
- Track 200 : CloverMinnie_8, Blackpen_8
- Track 201 : Coldpizza_8
- Track 202 : Wilca_61, BirdInFrench_61
- Track 203 : EverythinBagel_52
- Track 204 : Marcie_66, Kelcole_59, Tempo_61, OneinaGillian_61
- Track 205 : StrawberryJamm_57, WheelerS25_60, FrankDeliGuy_50, Namago_54, SallyK_55
- Track 206 : Grassboy_56, Tissue_55, Mentos_58, Nike_54
- Track 207 : CandC_60
- Track 208 : Phinky_62
- Track 209 : Fizzles_56
- Track 210 : Lonelysoil_52, Gazebo_53
- Track 211 : Kyva_56
- Track 212 : Zhafia_56, Rudy_51, Wayne3_55, DonaldDuck_53, Casend_54, Llemily_53, Sillytadpoles_54, Jehoshaphat_55, Wheelie_53, Quammi_51, Viceroy_52, Teehee_54, Phabia_53
- Track 213 : KillerQueen_62, Romm_63, RobinRose_63
- Track 214 : Judebell_56
- Track 215 : Squash_56
- Track 216 : Mila11_56, MorillMayhem_54
- Track 217 : Pepe25_60
- Track 218 : AluminumJesus_52
- Track 219 : Statler_55, SlySloth_56
- Track 220 : Altheas_57
- Track 221 : Blab_52, BaconCheese_58
- Track 222 : Zagie_54
- Track 223 : Fransoyer_57
- Track 224 : Mashley_52
- Track 225 : SadLad_60
- Track 226 : Rowlf_50
- Track 227 : BabyDotz_53
- Track 228 : RubyRalph_59
- Track 229 : Hyperion_53
- Track 230 : Rattrick_51, Jolene_51, Periodt_51
- Track 231 : Avrafan_51, Wendigo_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, Crespo_50, Kareem_51, Marmie_51, Chance64_51, Gideon_52, Remy19_51, Darionha_51, Jeilious_50, AizenPogi_50, Gomashi_50, Richarlison_49, Camri_51, BQuat_51, Peeb_50, Jonghyun_49, Halo_51, Maliketh_51, Neoh_50, MZKinsey_49, Phloodle_49, ZoMa_49, DingDing_49, BruceB_51, Aroostook_51, Plagueis_51, Cherrybomb426_51, Mowgli_51, Frosty24_51, CLED96_51, Ruriko_51, Phreak_51, Kasen3_51, Olga_51, Zombie_50, Phish_50, Jane_51, JorRay_51, Coleslaw_51, Annihilator_51, ShaboiShabazz_50, PinkYoshi_51, CassieYates_51, OctaviousRex_50, Angel_51, Schiebel_51
- Track 232 : DNAlII_0049
- Track 233 : Terror_49, Taheera_49
- Track 234 : Barkley26_50

- Track 235 : Liefie_50
- Track 236 : Rabbs_53, Sneeze_52
- Track 237 : Paito_53
- Track 238 : Grizzly_51
- Track 239 : GodSpeed_49
- Track 240 : FlagStaff_49, Pace1224_50
- Track 241 : Avocado_52
- Track 242 : Cambiare_51
- Track 243 : Pinnie_50
- Track 244 : MOOREtheMARYer_53
- Track 245 : Cloudyecho_52
- Track 246 : Mercurio_53
- Track 247 : Lemuria_53
- Track 248 : Jolie2_51
- Track 249 : YangYin_52
- Track 250 : Antsirabe_51
- Track 251 : Stargaze_52
- Track 252 : CookieDog_37
- Track 253 : MenE_38, Carrillo_39, Violeta_39, Appa_37, PhillyJawn_38, Antuna_38
- Track 254 : Pickles13_36
- Track 255 : Dropshot_37
- Track 256 : Mariel_40
- Track 257 : Phingu_40, Warren_37
- Track 258 : Bush_38
- Track 259 : ScoobySnack_34
- Track 260 : Jakelyne_40
- Track 261 : Blett_37
- Track 262 : Losacky_38
- Track 263 : Winchester007_53
- Track 264 : NCRodriguez_38
- Track 265 : Guzman_37
- Track 266 : Phonegingi_37
- Track 267 : JrWilcox_109
- Track 268 : ValentiniPuff_108
- Track 269 : Cracklewink_89
- Track 270 : Bipper_88
- Track 271 : Pine5_08
- Track 272 : Sunfish_68
- Track 273 : Eyre_59
- Track 274 : E3_gp158
- Track 275 : Finch_5
- Track 276 : pZL12_4c
- Track 277 : TPA2_15

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

The start number called the most often in the published annotations is 187, it was called in 371 of the 743 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• ABU_6, Abinghost_8, AbsoluteMadLad_6, Adriana_6, Aelin_6, Akoma_8, AksarBAT_6, Aleia_6, Allegro_9, AltPhacts_6, Altwerkus_6, AnClar_5, AnarQue_8, Anderson_6, AngelCake_6, Antonia_6, Aonishiki_6, Apizium_6, Ares_9, Audrey_8, Axumite_6, Badfish_6, Baloo_8, Bananafish_9, Banjo_6, Basato_7, BatteryCK_6, Beaglebox_6, Ben11_7, Bernardo_8, BiggityBass_5, Bishoperium_6, BlackStallion_6, Blackpen_8, BlacksBerry_6, Blocker23_9, BlueHusk_6, Bluephacebaby_6, BobRoss2024_5, Boehler_6, Boyle_9, Brilliant_6, Brownie5_9, Buckeye_6, Burr_6, CRB2_9, CaiB_8, Calamitous_9, CamL_6, CampRoach_6, Cannibal_6, Carthage_6, Casbah_7, Caspiboi_6, ChaChing_8, Chaelin_6, Chah_6, Chalmers_8, Chandler_8, CharlieGBrown_6, CharlottesWeb_6, CheetO_6, Chentzyk_7, Cher_6, Childish_6, Chipette_8, Chorkpop_6, Chunky_6, Chute_6, CloverMinnie_8, Cobra_6, Coffee_9, Colbert_6, Coldpizza_8, Coletti_6, Compostia_8, Cornbread_6, Cornobble_6, Corofin_8, Cosmolli16_6, Craff_6, Crownjwl_7, DaddyDaniels_6, Daffy_6, Dati_6, Deenasa_8, DelRivs_6, Derpp_6, Devonte_8, Dice_6, Dingo_6, Dione_6, DirtJuice_6, Doddsville_6, DoesntMatter_6, DoLOn_8, DonSancho_6, DuchessDung_6, Duggie_6, Durga_6, Eaglehorse_9, ElvisPhasley_6, Emiris_6, EmpTee_6, Eremos_6, Eugenia_6, Evaa_7, Fang_6, Faze9_9, FelixTres_8, Flake_6, FleetyMac_6, Fozzie_6, Frankicide_6, FrenchFry_9, Fresco_6, Freya_6, FriarPreacher_6, Fringe_6, FugateOSU_6, Gadjet_9, Gareth_6, GeneCoco_6, Gervas_8, Giraffe_6, Glass_9, GlenHope_9, Glubnar_8, Godines_9, Gophee_6, Grand2040_6, GreenChile_7, Gwennie1_6, Gwilliam_6, Gyarad_006, HSavage_6, Haimas_6, Haleema_6, Halfpint_7, Hamish_6, Happabalu_6, Hartsy_6, HarveySr_8, Harvey_6, Hashim76_11, Heathcliff_8, Hedgerow_9, Hekos_6, Held_6, HenryJackson_6, Hertubise_6, Hetaeria_6, HighStump_6, Hocus_6, HogWash_6, Holeinone_9, Horchata_6, Inchworm_6, Inverness_6, Iridessa_6, Iridoclysis_6, IsaacEli_6, ItsyBitsy1_9, JDog_6, JakeO_6, JangoPhett_6, JellyBelly_6, Jesabah_6, Jillium_6, Jiminy_6, Jiraiya_6, KLUcky39_6, Kahve_6, Kailash_6, Kamiyu_8, Keitherie_6, Kheth_9, Kikipoo_6, Kimbrough_6, KingTut_6, KingVeVeVe_6, KlimbOn_6, Kloppinator_6, Kolhan_9, Kronus_7, Kwadwo_6, Kwksand96_6, Labeouficaum_6, Lars_9, Larson_7, LasagnaCat_6, Lasso_6, Laurie_9, LeeLot_6, Lego3393_6, Legolas_6, LeiMonet_6, LemonSlice_6, Lephleur_9, LestyG_8, Ligma_6, LiSmirk_9, LittleMinkey_12, LittleMunchkin_7, LizLemon_9, Longacauda_6, Lopsy_6, LostAndPhound_6, LuckyMarjie_6, Lulumae_6, Lulwa_6, Lumine_6, MRabcd_6, Mag7_6, Magic8_6, MakoManhole_8, Mana_6, Manad_6, Mariokart_6, Marley1013_8, Marlia_8, Maru_6, MasterPo_9, 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, MmasiCarm_8, Morgushi_6, Mortcellus_7, Morty007_8, Morty_6, Mosaic_6, MossRose_8, Mulan_6, Mulaychimus_8, Murdoc_6, Mutante_6, NHagos_6, Nacho_006, Nathan_6, Neos5_8, Newman_6, NiaNia_6, Nicole21_6, Nova1_6, Nozo_8, Numberten_6, Nyala_6, OSmaximus_6, Obutu_8, Olak_6, Oline_6, OliverWalter_6, Olivio_7, Omniscient_6, OneBrain_6, Oosterbaan_6, Opia_9, Orfeu_6, Orion_6, Orwigg_6, PG1_6, Pacifista_6, PallasAthena_7, PenguinLover67_10, Phamished_6, Phantasmagoria_9, Phareon_6, PhatCats2014_6, PhatLouie_6, Phayeta_8, 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, PrinceCharming_9, ProfessorX_6, Puhltonio_6, QueenBeane_6, Quesadilla_9, Quisquillae_6, RagingRooster_8, RedMaple_6, RedRaider89_7, Rhinoforte_9, Ricotta_6, Riggan_6, Rita1961_8, Riverton_6, Robyn_6, Roliet_6, Roscoe_7, Roy17_6, SDcharge11_6, Sabella_9, Saguaro_9, Samaymay_6, SassyCat97_6, Schadenfreude_6, Scoot17C_6, Scrick_6, Selr12_6, Serendipity_6, Serpentine_006, ShadowBud_6, SharkTale_70, Shatter_6, Sheila_6, Shenandoah_8, ShiVal_6,

Sigman_6, SilverBell_6, Simielle_6, Sisko_5, Skippy_6, Slatt_6, SlippinJimmy_8, Soile_6, Solosis_6, Sophia_6, Soto_6, Sour_9, Spartan300_6, Squid_6, Squiggle_6, Struggle_6, Suffolk_6, Surely_6, SwainyDoc_8, Swish_6, SynergyX_8, TallGrassMM_6, Telesworld_6, Thonko_3, Thora_6, ThreeOh3D2_6, Timmi_6, Tinciduntolum_10, TinyTerror_8, TomBombadil_6, Tomlarah_6, Toni_6, TooFast2Furius_7, Tooj_6, TraderJ_8, Tres_9, Triad_6, True_6, Trypo_6, TyrionL_6, UAch1_6, UncleHowie_6, Usavi_6, Vaishali24_6, Valjean_6, Vaticameos_6, Veritas_6, Vic9_00009, Virapocalypse_6, Virgeve_6, Vista_6, Vivaldi_6, Vortex_6, Wallhey_6, Waterdiva_6, Weher20_6, West99_9, Windsor_6, Wooper_8, Xavier_6, Yago84_5, Yeshua_8, Yinz_8, Yoshand_6, YouGoGlencoco_6, Zaider_7, Zelda_6, Zenteno07_11, Zonia_6,

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

- Arbiter_9, Athena_9, BirdsNest_10, Briakila_8, Daisy_8, Jackstina_7, Kaleb_9, Nigel_5, OrangeOswald_8, Philly_7, Phlyer_8, Pipefish_8, Qyrzula_9, RomaT_8, TA17A_9, Tydolla_8, Yahalom_8,

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

- 39HC_05, 40BC_05, APunk_66, Abblin_66, Abt2graduatex2_59, Acadian_8, Affeca_69, Ahwei_6, Ailee_66, AizenPogi_50, Ali17_61, Altheas_57, AluminumJesus_52, Angel_51, Angelicage_67, Annihilator_51, Antihero_6, Antsirabe_51, Antuna_38, Appa_37, Archis_77, Aroostook_51, Arri_64, Ashertheman_67, Asis_60, Austelle_7, Avocado_52, Avrafan_51, AzulaCat_51, Azula_80, BPs_51, BQuat_51, BabyDotz_53, BabyGotBac_61, BaconCheese_58, Baddon_65, Baee_8, Bakery_68, Barb_65, Barco_72, Barkley26_50, Barsten_69, Baumdotcom_65, BayC_60, Begonia_73, Belphegor_63, Bibwit_67, BigHunkinEater_67, Bipper_88, BirdInFrench_61, Bizzy_67, Blab_52, Blett_37, BlingBling_70, Blino_77, Blueberry_79, BobBob_69, BobbyK_7, Brandonk123_73, Brawn1_66, BrownCNA_7, BruceB_51, Bush_38, CLED96_51, Cambiare_51, Camri_51, CandC_60, CaptainKirk2_75, CarolAnn_76, Carrillo_39, Casend_54, CassieYates_51, Causa_14, Cedasite_51, ChadMasterC_68, Chance64_51, Charming_72, CheeseSpider_86, CherryCola_64, CherryTomatoes_181, Cherrybomb426_51, Chickadee_62, ChrisnMich_6, ClamChowder_65, Cloudyecho_52, Clown_76, Coleslaw_51, CookieDog_37, CoveyB_64, Cracklewink_89, Crespo_50, DMoney_50, DNAIII_0049, Danyall_64, Darionha_51, Delian_78, Delrey21_65, Derg_61, Dexdert_63, DigitDog_8, DingDing_49, DoctorFroggo_65, DonaldDuck_53, Donny_8, Dropshot_37, E3_gp158, ECartman_49, EMoore_63, EastView9101_8, EdmundFerry_59, Egi03_63, Epah_6, Evamon_62, EverythinBagel_52, Eyre_59, Fairfaxidum_77, Fenry_74, Finch_5, Fireball_66, Fitzgerald_67, Fizzles_56, FlagStaff_49, Flatwoods_67, Fortunato_7, Fosterous_71, FrankDeliGuy_50, Fransoyer_57, Frederick_7, Frokostdame_79, Frosty24_51, FuegoCuervo_70, Fugax_66, Funsized_11, GTE6_62, Gaea_67, Galadriel_68, Gambino_82, Gazebo_53, Geodirt_67, Gezellig_61, Gideon_52, GinPorsche_6, GodSpeed_49, GoldenAsh_50, Gomashi_50, Grassboy_56, Grizzly_51, Guacamole_73, Gustavo_68, Guzman_37, Hally898_6, Halo3_62, Halo_51, Hangman_7, Hans_66, Heath_7, Hitter_73, Hope_51, Hosp_03, Hotshotbaby7_51, Hydro_7, Hyperion_53, Imvubu_3, Indlovu_7, Inspectinfecti_65, JAMaL_6, JKSyngboy_65, Jabberwocky_67, Jakelyne_40, Jalammah_78, Jambalaya_62, Jane_51, JasperJr_73, Jehoshaphat_55, Jeilious_50, JohnPork_66, Jolene_51, Jolie2_51, Jonghyun_49, JorRay_51, JoyceMaria_7, JrWilcox_109, JuJu_82, Judebell_56, Kamashten_67, KappaFarmDelta_74, KarasumaRum_8, Kareem_51, Kasen3_51, Keitabear_67, Kelcole_59, Kewpiedoll_67, KillerQueen_62, KimmyK_64, Knocker_12, Kroos_66, Kwekel_62, Kwobi_70, Kyva_56, Lambano_6,

Lemuria_53, Lennon_68, Leonard_64, Liefie_50, LilHam_61, LittleDigger_6, Llemily_53, Lolalove_7, Lonelysoil_52, Losacky_38, LouisV14_53, Love_73, Lysidious_76, MOOREtheMARYer_53, MZKinsey_49, Magpie_7, Maih_59, Malachai_73, Maliketh_51, Marcie_66, Mariel_40, Marmie_51, Mashley_52, 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, MoontowerMania_68, MorillMayhem_54, Mowgli_51, Mudslide_7, Murp_73, Mutzi_62, Mysterious_8, NCRodriguez_38, Namago_54, Nanao_6, Nangang_8, Natkenzie_66, Nehemiah_7, Neoh_50, Nike_54, Nordenberg_67, Nubi_63, Obliviate_74, OctaviousRex_50, Olga_51, OneinaGillian_61, PCoral7_74, Pace1224_50, Paito_53, Paries_70, Peeb_50, Pepe25_60, Periodt_51, Petra_80, Phabia_53, Phauci_56, Phelemich_8, PhillyJawn_38, Phinally_64, Phingu_40, Phinky_62, Phish_50, Phloodle_49, Phlop_61, Phonegingi_37, Phreak_51, PhrostedPhlake_81, Pickles13_36, Pine5_08, PinkCoffee_65, PinkYoshi_51, Pinnie_50, Pipp_79, Plagueis_51, Portcullis_65, Poster_6, PrincePatrick_76, Prince_7, PullumCavea_62, Pumpkiney_64, Pupper_178, Quammi_51, QueenPie_7, Rabbs_53, RainyPolka_58, Rattrick_51, RawrgerThat_7, Reccee_8, Remy19_51, Renaissance_51, Renkei_6, Reprobate_8, Ribeye_67, Rich_8, Richarlison_49, Rinkes_11, Rita130_8, RiverRaider_69, RoadKill_59, RobinRose_63, Rofo_69, RogerDodger_66, Romm_63, Rowf_50, RubyRalph_59, Rudy_51, Ruriko_51, SCentae_177, SadLad_60, Salete_60, SallyK_55, Salvador_62, Samba_75, Sampson_68, Sanjuju_67, Saronaya_68, Savbucketdawg_62, Schiebel_51, SchottB_64, Scioto_67, ScoobySnack_34, Sedona_67, Sendy_64, Serendipitous_8, ShaboiShabazz_50, Shenyu_8, Shinji_62, Shivanishola_68, Sillytadpoles_54, SirJeffery_8, Sitar_68, Sixsevenium_66, Sizemore_51, Skog_10, SlySloth_56, SmokingBunny_63, Sneeze_52, Soilmate_79, Squash_56, StAugustine_12, Stargaze_52, Statler_55, Stichling_63, Stinger_5, StinkyVeggy_8, StorminNorm_67, StrawberryJamm_57, Stultus_64, Suigeneris_8, Sunfish_68, Sweets_50, 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, Tissue_55, Toast_74, Togo_62, TomBrady_51, Twister6_65, Twonlo_60, Tycho_65, UmaThurman_76, Utz_66, Valary_64, ValentiniPuff_108, VanDeWege_65, Verity_65, ViaConlectus_65, Viceroy_52, VioletZ_7, Violeta_39, Vivi2_73, Waleliano_7, Walrus_73, Warren_37, Wayne3_55, Wendigo_51, WheelerS25_60, Wheelie_53, Wilca_61, William_77, Winchester007_53, Wisp_73, Wizard_61, Wocket_74, Xkcd426_61, YDN12_59, YangYin_52, YorkOnyx_68, YungMoney_63, Zagie_54, Zarbodnamra_79, Zemanar_8, Zhafia_56, ZiggyZoo_76, Zilla_72, Zipp_67, Zitch_68, ZoMa_49, Zombie_50, pZL12_4c,

Summary by start number:

Start 129:

- Found in 38 of 842 (4.5%) of genes in pham
- Manual Annotations of this start: 3 of 743
- Called 7.9% of time when present
- Phage (with cluster) where this start called: Arbiter_9 (B2), Qyrzula_9 (B2), TA17A_9 (B2),

Start 130:

- Found in 16 of 842 (1.9%) of genes in pham
- Manual Annotations of this start: 1 of 743
- Called 6.2% of time when present
- Phage (with cluster) where this start called: Barsten_69 (DE1),

Start 140:

- Found in 27 of 842 (3.2%) of genes in pham
- Manual Annotations of this start: 1 of 743
- Called 3.7% of time when present
- Phage (with cluster) where this start called: Kaleb_9 (B2),

Start 147:

- Found in 19 of 842 (2.3%) of genes in pham
- Manual Annotations of this start: 4 of 743
- 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 150:

- Found in 36 of 842 (4.3%) of genes in pham
- Manual Annotations of this start: 7 of 743
- Called 19.4% 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 151:

- Found in 3 of 842 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 743
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cloudyecho_52 (G3), MOOREtheMARYer_53 (G3), Pinnie_50 (G3),

Start 153:

- Found in 34 of 842 (4.0%) of genes in pham
- Manual Annotations of this start: 1 of 743
- Called 2.9% of time when present
- Phage (with cluster) where this start called: Geodirt_67 (DE1),

Start 161:

- Found in 16 of 842 (1.9%) of genes in pham
- Manual Annotations of this start: 5 of 743
- Called 31.2% of time when present
- Phage (with cluster) where this start called: Fortunato_7 (B4), Frederick_7 (B4), Mithril_7 (B4), Rinkes_11 (B9), Zemanar_8 (B4),

Start 168:

- Found in 17 of 842 (2.0%) of genes in pham
- Manual Annotations of this start: 3 of 743
- Called 17.6% of time when present
- Phage (with cluster) where this start called: Bibwit_67 (DE1), Lennon_68 (DE1), Sitar_68 (DE1),

Start 176:

- Found in 9 of 842 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 743
- Called 11.1% of time when present
- Phage (with cluster) where this start called: BirdsNest_10 (B13),

Start 177:

- Found in 1 of 842 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 743
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Indlovu_7 (B11),

Start 179:

- Found in 2 of 842 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 743
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Causa_14 (AI), StAugustine_12 (AI),

Start 183:

- Found in 35 of 842 (4.2%) of genes in pham
- Manual Annotations of this start: 13 of 743
- Called 45.7% of time when present
- Phage (with cluster) where this start called: Ali17_61 (DE2), ChrisnMich_6 (B4), Clown_76 (DC2), GinPorsche_6 (B4), Hans_66 (DE2), Inspectinfecti_65 (DE2), Knocker_12 (B9), Leonard_64 (DE2), LittleDigger_6 (B4), Lolalove_7 (B4), Nanao_6 (B4), Phauci_56 (DE2), Phinally_64 (DE2), Poster_6 (B4), QueenPie_7 (B4), Renkei_6 (B4),

Start 184:

- Found in 55 of 842 (6.5%) of genes in pham
- Manual Annotations of this start: 47 of 743
- Called 89.1% of time when present
- Phage (with cluster) where this start called: Affeca_69 (DE1), Ailee_66 (DE1), Angelicage_67 (DE1), Baddon_65 (DE1), Baumdotcom_65 (DE1), BigHunkinEater_67 (DE4), Bizzy_67 (DE1), BobBob_69 (DE1), Brandonk123_73 (DE1), Brawn1_66 (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), JKSyngboy_65 (DE1), Jabberwocky_67 (DE1), Kamashten_67 (DE1), Keitabear_67 (DE1), Kewpiedoll_67 (DE1), Kroos_66 (DE1), Kwobi_70 (DE1), Love_73 (DE1), McCrothy_67 (DE1), McKinley_69 (DE1), MoontowerMania_68 (DE1), Nordenberg_67 (DE1), Paries_70 (DE1), 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), ViaConlectus_65 (DE4), Vivi2_73 (DE1), YorkOnyx_68 (DE1), Zitch_68 (DE4),

Start 185:

- Found in 36 of 842 (4.3%) of genes in pham
- Manual Annotations of this start: 32 of 743
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri_64 (DC1), Bakery_68 (DC1), Barb_65 (DC1), CherryCola_64 (DC1), ClamChowder_65 (DC1), CoveyB_64 (DC1), Danyall_64 (DC1), Egi03_63 (DC1), Evamon_62 (DC1), Fireball_66 (DC1), Fugax_66 (DC1), Gezellig_61 (DC1), Halo3_62 (DC1), Jambalaya_62 (DC1), JohnPork_66 (DC1), KimmyK_64 (DC1), Mutzi_62 (DC1), Nubi_63 (DC1), Phlop_61 (DC1), PinkCoffee_65 (DC1), Portcullis_65 (DC1), PullumCavea_62 (DC1), RogerDodger_66 (DC1), Salvador_62 (DC1), Savbucketdawg_62 (DC1), Sendy_64 (DC1), Shinji_62

(DC1), Sixsevenium_66 (DC1), SmokingBunny_63 (DC1), TillyBobJoe_63 (DC1), Togo_62 (DC1), Twister6_65 (DC1), Valary_64 (DC1), VanDeWege_65 (DC1), Wizard_61 (DC1), YungMoney_63 (DC1),

Start 186:

- Found in 27 of 842 (3.2%) of genes in pham
- Manual Annotations of this start: 24 of 743
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_66 (DE4), Abblin_66 (DE4), Ashertheman_67 (DE1), Belphegor_63 (DE2), Chickadee_62 (DE3), Delrey21_65 (DE4), Dextert_63 (DE3), DoctorFroggo_65 (DE4), EMOore_63 (DE2), EdmundFerry_59 (DE3), GTE6_62 (DE3), Gaea_67 (DE1), Kwekel_62 (DE3), LilHam_61 (DE1), MelBins_67 (DE2), Natkenzie_66 (DE4), Pumpkiney_64 (DE4), RoadKill_59 (DE3), Sampson_68 (DE4), SchottB_64 (DE1), Scioto_67 (DE4), Stichling_63 (DE1), Tardus_66 (DE4), Tiamoceli_62 (DE3), Twonlo_60 (DE3), Verity_65 (DE4), Zipp_67 (DE4),

Start 187:

- Found in 420 of 842 (49.9%) of genes in pham
- Manual Annotations of this start: 371 of 743
- Called 96.0% of time when present
- Phage (with cluster) where this start called: ABU_6 (B1), Abinghost_8 (B3), AbsoluteMadLad_6 (B1), Adriana_6 (B1), Aelin_6 (B1), Akoma_8 (B3), AksarBAT_6 (DR), Aleia_6 (B1), Allegro_9 (B2), AltPhacts_6 (B1), Altwerkus_6 (B1), AnClar_5 (DR), AnarQue_8 (DR), Anderson_6 (B1), AngelCake_6 (B1), Antonia_6 (B1), Aonishiki_6 (B1), Apizium_6 (B1), Ares_9 (B2), Audrey_8 (B3), Axumite_6 (DR), Badfish_6 (B1), Baloo_8 (B3), Bananafish_9 (B2), Banjo_6 (B1), Basato_7 (B1), BatteryCK_6 (B1), Beaglebox_6 (B1), Ben11_7 (B3), Bernardo_8 (B3), BiggityBass_5 (DR), Bishoperium_6 (B1), BlackStallion_6 (B1), Blackpen_8 (DR), BlacksBerry_6 (B1), Blocker23_9 (B2), BlueHusk_6 (B1), Bluephacebaby_6 (B1), BobRoss2024_5 (DR), Boehler_6 (B1), Boyle_9 (B2), Brilliant_6 (B1), Brownie5_9 (B2), Buckeye_6 (B1), Burr_6 (B1), CRB2_9 (B9), CaiB_8 (DR), Calamitous_9 (B2), CamL_6 (B1), CampRoach_6 (B1), Cannibal_6 (B1), Carthage_6 (B1), Casbah_7 (B3), CaspiBoi_6 (B1), ChaChing_8 (B3), Chaelin_6 (B1), Chah_6 (B1), Chalmers_8 (B3), Chandler_8 (B3), CharlieGBrown_6 (B1), CharlottesWeb_6 (DR), CheetO_6 (B1), Chentzyk_7 (B3), Cher_6 (B1), Childish_6 (B1), Chipette_8 (B1), Chorkpop_6 (B1), Chunky_6 (B1), Chute_6 (B1), CloverMinnie_8 (DR), Cobra_6 (B1), Coffee_9 (B2), Colbert_6 (B1), Coldpizza_8 (DR), Coletti_6 (B1), Compostia_8 (B3), Cornbread_6 (B1), Cornobble_6 (B1), Corofin_8 (B3), Cosmolli16_6 (B1), Craff_6 (B1), Crownjwl_7 (B1), DaddyDaniels_6 (B1), Daffy_6 (B1), Dati_6 (B1), Deenasa_8 (B3), DelRivs_6 (B1), Derpp_6 (B1), Devonte_8 (B3), 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), Eaglehorse_9 (B2), ElvisPhasley_6 (B1), Emiris_6 (B1), EmpTee_6 (B1), Eremos_6 (B1), Eugenia_6 (B1), Evaa_7 (DR), Fang_6 (B1), Faze9_9 (B2), FelixTres_8 (DR), Flake_6 (B1), FleetyMac_6 (B1), Fozzie_6 (B1), Frankicide_6 (B1), FrenchFry_9 (B2), Fresco_6 (DR), Freya_6 (B1), FriarPreacher_6 (B1), Fringe_6 (B1), FugateOSU_6 (B1), Gadget_9 (B3), Gareth_6 (B1), GeneCoco_6 (B1), Gervas_8 (B3), Giraffe_6 (B1), Glass_9 (B2), GlenHope_9 (B3), Glubnar_8 (B3), Godines_9 (B2), Gophee_6 (B1), Grand2040_6 (B1), GreenChile_7 (B1), Gwennie1_6 (B1), Gwilliam_6 (B1), Gyarad_006 (B1), HSavage_6 (B1), Haimas_6 (B1), Haleema_6 (B1), Halfpint_7 (B3), Hamish_6 (B1), Happabalu_6 (B1), Hartsy_6 (B1), HarveySr_8 (B3), Harvey_6 (B1), Hashim76_11 (B13), Heathcliff_8 (B3), Hedgerow_9 (B2), Hekos_6 (B1),

Held_6 (B1), HenryJackson_6 (B1), Hertubise_6 (B1), Hetaeria_6 (B1), HighStump_6 (B1), Hocus_6 (B1), HogWash_6 (B1), Holeinone_9 (B2), Horchata_6 (B1), Inchworm_6 (B1), Inverness_6 (B1), Iridessa_6 (B1), Iridoclysis_6 (B1), IsaacEli_6 (B1), ItsyBitsy1_9 (B2), JDog_6 (B1), JakeO_6 (B1), JangoPhett_6 (B1), JellyBelly_6 (DR), Jesabah_6 (B1), Jillium_6 (B1), Jiminy_6 (B1), Jiraiya_6 (B1), KLUcky39_6 (B1), Kahve_6 (B1), Kailash_6 (B1), Kamiyu_8 (B3), Keitherie_6 (B1), Kheth_9 (B2), Kikipoo_6 (B1), Kimbrough_6 (B1), KingTut_6 (B1), KingVeVeVe_6 (B1), KlimbOn_6 (B1), Kloppinator_6 (B1), Kolhan_9 (B2), Kronus_7 (B3), Kwadwo_6 (B1), Kwksand96_6 (B1), Labeouficaum_6 (B1), Lars_9 (B2), Larson_7 (B1), LasagnaCat_6 (B1), Lasso_6 (B1), Laurie_9 (B2), LeeLot_6 (B1), Lego3393_6 (B1), Legolas_6 (B1), LeiMonet_6 (B1), LemonSlice_6 (B1), Lephleur_9 (B2), LestyG_8 (B3), Ligma_6 (DR), LilSmirk_9 (B2), LittleMinkey_12 (B13), LittleMunchkin_7 (DR), LizLemon_9 (B2), 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), MakoManhole_8 (DR), Mana_6 (B1), Manad_6 (B1), MarioKart_6 (DR), Marley1013_8 (B3), Marlia_8 (B3), Maru_6 (B1), MasterPo_9 (B2), 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), MmasiCarm_8 (B3), Morgushi_6 (B1), Mortcellus_7 (B3), Morty007_8 (B3), Morty_6 (B1), Mosaic_6 (B1), MossRose_8 (DR), Mulan_6 (B1), Mulaychimus_8 (B3), Murdoc_6 (B1), Mutante_6 (B1), NHagos_6 (DR), Nacho_006 (B1), Nathan_6 (B1), Neos5_8 (B3), Newman_6 (B1), NiaNia_6 (B1), Nicole21_6 (B1), Nova1_6 (B1), Nozo_8 (B3), Numberten_6 (B1), Nyala_6 (B1), OSmaximus_6 (B1), Obutu_8 (B3), Olak_6 (B1), Oline_6 (B1), OliverWalter_6 (B1), Olivio_7 (B3), Omniscient_6 (B1), OneBrain_6 (B1), Oosterbaan_6 (B1), Opia_9 (B2), Orfeu_6 (B1), Orion_6 (B1), Orwigg_6 (B1), PG1_6 (B1), Pacifista_6 (B1), PallasAthena_7 (B1), PenguinLover67_10 (B9), Phamished_6 (B1), Phantasmagoria_9 (B2), Phareon_6 (B1), PhatCats2014_6 (B1), PhatLouie_6 (B1), Phayeta_8 (B3), 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), PrinceCharming_9 (B2), ProfessorX_6 (B1), Puhltonio_6 (B1), QueenBeane_6 (B1), Quesadilla_9 (B9), Quisquillae_6 (B1), RagingRooster_8 (B3), RedMaple_6 (B1), RedRaider89_7 (B1), Rhinoforte_9 (B2), Ricotta_6 (B1), Riggan_6 (B1), Rita1961_8 (B3), Riverton_6 (B1), Robyn_6 (B1), Roliet_6 (B1), Roscoe_7 (B1), Roy17_6 (B1), SDcharge11_6 (B1), Sabella_9 (B2), 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_6 (B1), SharkTale_70 (DC1), Shatter_6 (DR), Sheila_6 (B1), Shenandoah_8 (B3), ShiVal_6 (B1), Sigman_6 (B1), SilverBell_6 (B1), Simielle_6 (B1), Sisko_5 (DR), Skippy_6 (B1), Slatt_6 (B1), SlippinJimmy_8 (B3), Soile_6 (B1), Solosis_6 (B1), Sophia_6 (B1), Soto_6 (B1), Sour_9 (DR), Spartan300_6 (B1), Squid_6 (B1), Squiggle_6 (B1), Struggle_6 (B1), Suffolk_6 (B1), Surely_6 (B1), SwainyDoc_8 (B3), Swish_6 (B1), SynergyX_8 (B3), TallGrassMM_6 (B1), Telesworld_6 (B1), Thonko_3 (B8), Thora_6 (B1), ThreeOh3D2_6 (B1), Timmi_6 (B1), Tinciduntolum_10 (B2), TinyTerror_8 (B3), TomBombadil_6 (B1), Tomlarah_6 (B1), Toni_6 (B1), TooFast2Furius_7 (B1), Tooj_6 (B1), TraderJ_8 (DR), Tres_9 (B2), 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), Vic9_00009 (B2), Virapocalypse_6 (B1), Virgeve_6 (B1), Vista_6 (B1), VivaIdi_6 (B1), Vortex_6 (B1), Wallhey_6 (B1), Waterdiva_6 (B1), Weher20_6 (B1), West99_9 (B2), Windsor_6 (B1),

Wooper_8 (DR), Xavier_6 (B1), Yago84_5 (DR), Yeshua_8 (DR), Yinz_8 (B3), Yoshand_6 (B1), YouGoGlencoco_6 (B1), Zaider_7 (B1), Zelda_6 (B1), Zenteno07_11 (B13), Zonia_6 (B1),

Start 188:

- Found in 66 of 842 (7.8%) of genes in pham
- Manual Annotations of this start: 33 of 743
- Called 77.3% of time when present
- Phage (with cluster) where this start called: 39HC_05 (B6), 40BC_05 (B6), Acadian_8 (B5), Ahwei_6 (B4), Antihero_6 (B4), Austelle_7 (B4), Baee_8 (B5), BobbyK_7 (B4), BrownCNA_7 (B4), DigitDog_8 (B5), Donny_8 (B5), EastView9101_8 (B5), Epah_6 (B4), FrankDeliGuy_50 (EG), Funsized_11 (B9), Hally898_6 (B4), Hangman_7 (B4), Heath_7 (B4), Hosp_03 (B6), Hydro_7 (B4), Imvubu_3 (B10), JAMaL_6 (B4), JoyceMaria_7 (B4), KarasumaRum_8 (B5), Lambano_6 (B4), Magpie_7 (B4), Mudslide_7 (B4), Mysterious_8 (B5), Namago_54 (EG), Nangang_8 (B5), Nehemiah_7 (B5), Nigel_5 (B4), Phelemich_8 (B5), Prince_7 (B4), RawrgerThat_7 (B4), Reccee_8 (B5), Reprobate_8 (B5), Rich_8 (B5), Rita130_8 (B5), SallyK_55 (EG), Serendipitous_8 (B5), Shenyu_8 (B5), SirJeffery_8 (B5), Stinger_5 (B4), StinkyVeggy_8 (B5), StrawberryJamm_57 (EG), Suigeneris_8 (B5), VioletZ_7 (B4), Waleliano_7 (B4), WheelerS25_60 (EG), Zagie_54 (EG),

Start 192:

- Found in 1 of 842 (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 193:

- Found in 51 of 842 (6.1%) of genes in pham
- Manual Annotations of this start: 44 of 743
- Called 98.0% 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), EverythinBagel_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), 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 195:

- Found in 2 of 842 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 743
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phinky_62 (EG), pZL12_4c (singleton),

Start 196:

- Found in 4 of 842 (0.5%) of genes in pham

- Manual Annotations of this start: 4 of 743
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rabbs_53 (G1), Sneeze_52 (G1), Taheera_49 (G1), Terror_49 (G1),

Start 197:

- Found in 82 of 842 (9.7%) of genes in pham
- Manual Annotations of this start: 1 of 743
- Called 2.4% of time when present
- Phage (with cluster) where this start called: Finch_5 (singleton), TPA2_15 (singleton),

Start 198:

- Found in 70 of 842 (8.3%) of genes in pham
- No Manual Annotations of this start.
- Called 1.4% of time when present
- Phage (with cluster) where this start called: YangYin_52 (G5),

Start 200:

- Found in 21 of 842 (2.5%) of genes in pham
- Manual Annotations of this start: 11 of 743
- 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), ScoobySnack_34 (GA), Violeta_39 (GA), Warren_37 (GA), Winchester007_53 (GA),

Start 207:

- Found in 13 of 842 (1.5%) of genes in pham
- Manual Annotations of this start: 1 of 743
- Called 7.7% of time when present
- Phage (with cluster) where this start called: Lemuria_53 (G4),

Start 209:

- Found in 28 of 842 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 743
- Called 3.6% of time when present
- Phage (with cluster) where this start called: Pipp_79 (CV),

Start 210:

- Found in 20 of 842 (2.4%) of genes in pham
- Manual Annotations of this start: 1 of 743
- Called 5.0% of time when present
- Phage (with cluster) where this start called: Eyre_59 (singleton),

Start 211:

- Found in 3 of 842 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 743
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlingBling_70 (CV), JuJu_82 (CV), Lysidious_76 (CV),

Start 212:

- Found in 15 of 842 (1.8%) of genes in pham
- Manual Annotations of this start: 15 of 743
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_59 (BG), Asis_60 (BG), BabyGotBac_61 (BG), BayC_60 (BG), CherryTomatoes_181 (DO), Maih_59 (BG), Mischief19_67 (BG), Pupper_178 (DO), RainyPolka_58 (BG), SCentae_177 (DO), Salete_60 (BG), Skog_10 (DO), TP1604_60 (BG), Xkcd426_61 (BG), YDN12_59 (BG),

Start 214:

- Found in 145 of 842 (17.2%) of genes in pham
- Manual Annotations of this start: 108 of 743
- Called 84.8% of time when present
- Phage (with cluster) where this start called: AizenPogi_50 (G1), Angel_51 (G1), Annihilator_51 (G1), Antsirabe_51 (G5), Archis_77 (CV), Aroostook_51 (G1), Avocado_52 (G2), Avrafan_51 (G1), AzulaCat_51 (G1), Azula_80 (CV), BPs_51 (G1), BQuat_51 (G1), Barco_72 (CV), Barkley26_50 (G1), Begonia_73 (CV), Bipper_88 (Y), Blino_77 (CV), Blueberry_79 (CV), BruceB_51 (G1), CLED96_51 (G1), Cambiare_51 (G2), Camri_51 (G1), CaptainKirk2_75 (CV), CarolAnn_76 (CV), CassieYates_51 (G1), Cedasite_51 (G1), Chance64_51 (G1), CheeseSpider_86 (CV), Cherrybomb426_51 (G1), Coleslaw_51 (G1), Cracklewink_89 (Y), Crespo_50 (G1), DMoney_50 (G1), DNAlll_0049 (G1), Darionha_51 (G1), Delian_78 (CV), DingDing_49 (G1), E3_gp158 (singleton), ECartman_49 (G1), Fairfaxidum_77 (CV), Ferry_74 (CV), FlagStaff_49 (G2), Frokostdame_79 (CV), Frosty24_51 (G1), Gambino_82 (CV), Gideon_52 (G1), GodSpeed_49 (G2), GoldenAsh_50 (G1), Gomashi_50 (G1), Grizzly_51 (G1), Guacamole_73 (CV), Halo_51 (G1), Hitter_73 (CV), Hope_51 (G1), Hotshotbaby7_51 (G1), Jalammah_78 (CV), Jane_51 (G1), JasperJr_73 (CV), Jeilious_50 (G), Jolene_51 (G1), Jolie2_51 (G4), Jonghyun_49 (G1), JorRay_51 (G1), KappaFarmDelta_74 (CV), Kareem_51 (G1), Kasen3_51 (G1), Liefie_50 (G1), LouisV14_53 (G1), MZKinsey_49 (G1), Malachai_73 (CV), Maliketh_51 (G1), Marmie_51 (G1), Melba_74 (CV), Mellie_72 (CV), Mercurio_53 (G4), MintFen_75 (CV), MissRona_80 (CV), Mowgli_51 (G1), Murp_73 (CV), Neoh_50 (G), Obliviate_74 (CV), OctaviousRex_50 (G1), Olga_51 (G1), PCoral7_74 (CV), Pace1224_50 (G2), Paito_53 (G1), Peeb_50 (G1), Periodt_51 (G1), Petra_80 (CV), Phish_50 (G1), Phloodle_49 (G1), Phreak_51 (G1), PhrostedPhlake_81 (CV), PinkYoshi_51 (G1), Plagueis_51 (G1), PrincePatrick_76 (CV), Rattrick_51 (G1), Remy19_51 (G1), Renaissance_51 (G1), Richarlison_49 (G1), Ruriko_51 (G1), Samba_75 (CV), Schiebel_51 (G1), ShaboiShabazz_50 (G1), Sizemore_51 (G1), Soilmate_79 (CV), Stargaze_52 (G5), Sweets_50 (G1), TinaBug_51 (G1), Toast_74 (CV), TomBrady_51 (G1), UmaThurman_76 (CV), Utz_66 (CV), Walrus_73 (CV), Wendigo_51 (G1), William_77 (CV), Wisp_73 (CV), Wocket_74 (CV), Zarbodnamra_79 (CV), ZiggyZoo_76 (CV), Zilla_72 (CV), ZoMa_49 (G1), Zombie_50 (G1),

Start 222:

- Found in 2 of 842 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 743
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JrWilcox_109 (GL), ValentiniPuff_108 (GL),

Start 226:

- Found in 1 of 842 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 743
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sunfish_68 (singleton),

Summary by clusters:

There are 34 clusters represented in this pham: DO, singleton, BG, B13, B10, B11, DR, G5, G4, G3, G2, G1, G, AI, EG, GA, Y, GL, DC2, CV, DC1, DE1, DE2, DE3, DE4, B4, B5, B6, B7, B1, B2, B3, B8, B9,

Info for manual annotations of cluster AI:

- Start number 179 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster B1:

- Start number 187 was manually annotated 271 times for cluster B1.

Info for manual annotations of cluster B10:

- Start number 188 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 177 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B13:

- Start number 176 was manually annotated 1 time for cluster B13.
- Start number 187 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B2:

- Start number 129 was manually annotated 3 times for cluster B2.
- Start number 140 was manually annotated 1 time for cluster B2.
- Start number 187 was manually annotated 32 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 147 was manually annotated 4 times for cluster B3.
- Start number 150 was manually annotated 7 times for cluster B3.
- Start number 187 was manually annotated 39 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 161 was manually annotated 4 times for cluster B4.
- Start number 183 was manually annotated 5 times for cluster B4.
- Start number 188 was manually annotated 15 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 188 was manually annotated 11 times for cluster B5.

Info for manual annotations of cluster B7:

- Start number 187 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 187 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 161 was manually annotated 1 time for cluster B9.
- Start number 183 was manually annotated 1 time for cluster B9.
- Start number 187 was manually annotated 3 times for cluster B9.
- Start number 188 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster BG:

- Start number 212 was manually annotated 11 times for cluster BG.

Info for manual annotations of cluster CV:

- Start number 209 was manually annotated 1 time for cluster CV.
- Start number 211 was manually annotated 3 times for cluster CV.
- Start number 214 was manually annotated 39 times for cluster CV.

Info for manual annotations of cluster DC1:

- Start number 185 was manually annotated 32 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 183 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 130 was manually annotated 1 time for cluster DE1.
- Start number 153 was manually annotated 1 time for cluster DE1.
- Start number 168 was manually annotated 3 times for cluster DE1.
- Start number 184 was manually annotated 44 times for cluster DE1.
- Start number 186 was manually annotated 4 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 183 was manually annotated 6 times for cluster DE2.
- Start number 186 was manually annotated 3 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 186 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 184 was manually annotated 3 times for cluster DE4.
- Start number 186 was manually annotated 10 times for cluster DE4.

Info for manual annotations of cluster DO:

- Start number 212 was manually annotated 4 times for cluster DO.

Info for manual annotations of cluster DR:

- Start number 187 was manually annotated 22 times for cluster DR.

Info for manual annotations of cluster EG:

- Start number 188 was manually annotated 5 times for cluster EG.
- Start number 193 was manually annotated 44 times for cluster EG.
- Start number 195 was manually annotated 1 time for cluster EG.

Info for manual annotations of cluster G1:

- Start number 196 was manually annotated 4 times for cluster G1.
- Start number 214 was manually annotated 61 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 214 was manually annotated 3 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 151 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 207 was manually annotated 1 time for cluster G4.
- Start number 214 was manually annotated 1 time for cluster G4.

Info for manual annotations of cluster G5:

- Start number 214 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster GA:

- Start number 200 was manually annotated 11 times for cluster GA.

Info for manual annotations of cluster GL:

- Start number 222 was manually annotated 1 time for cluster GL.

Info for manual annotations of cluster Y:

- Start number 214 was manually annotated 2 times for cluster Y.

Gene Information:

Gene: 39HC_05 Start: 4719, Stop: 4141, Start Num: 188

Candidate Starts for 39HC_05:

(Start: 188 @4719 has 33 MA's), (244, 4596), (250, 4587), (268, 4545), (283, 4503), (295, 4470), (312, 4428), (319, 4404), (329, 4377), (333, 4365), (334, 4362), (354, 4290), (367, 4263), (376, 4236), (381, 4221), (382, 4218), (400, 4185), (409, 4161),

Gene: 40BC_05 Start: 4719, Stop: 4141, Start Num: 188

Candidate Starts for 40BC_05:

(Start: 188 @4719 has 33 MA's), (244, 4596), (250, 4587), (268, 4545), (283, 4503), (295, 4470), (312, 4428), (319, 4404), (329, 4377), (333, 4365), (334, 4362), (354, 4290), (367, 4263), (376, 4236), (381, 4221), (382, 4218), (400, 4185), (409, 4161),

Gene: ABU_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for ABU_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: APunk_66 Start: 49707, Stop: 50354, Start Num: 186

Candidate Starts for APunk_66:

(162, 49656), (Start: 186 @49707 has 24 MA's), (216, 49785), (237, 49827), (241, 49833), (270, 49899), (311, 50001), (315, 50016), (336, 50076), (339, 50085), (354, 50151), (358, 50160), (386, 50238), (402, 50265), (422, 50343),

Gene: Abblin_66 Start: 50003, Stop: 50650, Start Num: 186

Candidate Starts for Abblin_66:

(108, 49841), (111, 49847), (114, 49865), (162, 49952), (Start: 186 @50003 has 24 MA's), (216, 50081), (237, 50123), (241, 50129), (270, 50195), (279, 50213), (311, 50297), (315, 50312), (336, 50372), (339, 50381), (354, 50447), (358, 50456), (386, 50534), (402, 50561), (422, 50639),

Gene: Abinghost_8 Start: 5414, Stop: 4863, Start Num: 187

Candidate Starts for Abinghost_8:

(Start: 147 @5489 has 4 MA's), (160, 5471), (Start: 187 @5414 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: AbsoluteMadLad_6 Start: 3914, Stop: 3360, Start Num: 187

Candidate Starts for AbsoluteMadLad_6:

(Start: 187 @3914 has 371 MA's), (Start: 197 @3884 has 1 MA's), (203, 3869), (268, 3764), (295, 3689), (308, 3653), (312, 3647), (352, 3518), (354, 3509), (403, 3398),

Gene: Abt2graduatex2_59 Start: 48650, Stop: 49240, Start Num: 212

Candidate Starts for Abt2graduatex2_59:

(Start: 212 @48650 has 15 MA's), (245, 48701), (255, 48725), (261, 48752), (273, 48776), (284, 48809), (293, 48836), (294, 48839), (303, 48869), (318, 48908), (324, 48923), (333, 48950), (334, 48953), (358, 49043), (362, 49064), (371, 49112), (379, 49142), (393, 49178),

Gene: Acadian_8 Start: 6215, Stop: 5649, Start Num: 188

Candidate Starts for Acadian_8:

(Start: 188 @6215 has 33 MA's), (Start: 210 @6158 has 1 MA's), (268, 6056), (295, 5978), (312, 5936), (319, 5912), (329, 5885), (333, 5873), (354, 5798), (367, 5771), (393, 5699), (400, 5693),

Gene: Adriana_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Adriana_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Aelin_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Aelin_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Affeca_69 Start: 51998, Stop: 52636, Start Num: 184

Candidate Starts for Affeca_69:

(Start: 184 @51998 has 47 MA's), (257, 52148), (296, 52238), (311, 52277), (315, 52292), (332, 52340), (334, 52346), (351, 52406), (365, 52439), (384, 52520), (408, 52577),

Gene: Ahwei_6 Start: 5143, Stop: 4583, Start Num: 188

Candidate Starts for Ahwei_6:

(Start: 183 @5152 has 13 MA's), (Start: 188 @5143 has 33 MA's), (268, 4987), (273, 4975), (293, 4918), (308, 4876), (312, 4870), (315, 4858), (329, 4819), (351, 4744), (365, 4711), (376, 4678), (377, 4675), (381, 4663), (382, 4660), (408, 4606),

Gene: Ailee_66 Start: 51033, Stop: 51671, Start Num: 184

Candidate Starts for Ailee_66:

(83, 50802), (93, 50826), (Start: 130 @50931 has 1 MA's), (Start: 153 @50979 has 1 MA's), (Start: 168 @51000 has 3 MA's), (Start: 184 @51033 has 47 MA's), (257, 51183), (296, 51273), (311, 51312), (315, 51327), (332, 51375), (334, 51381), (365, 51474), (384, 51555), (408, 51612),

Gene: AizenPogi_50 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for AizenPogi_50:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Akoma_8 Start: 5414, Stop: 4863, Start Num: 187

Candidate Starts for Akoma_8:

(Start: 147 @5489 has 4 MA's), (160, 5471), (Start: 187 @5414 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: AksarBAT_6 Start: 4853, Stop: 4311, Start Num: 187

Candidate Starts for AksarBAT_6:

(58, 5168), (Start: 187 @4853 has 371 MA's), (206, 4802), (253, 4754), (295, 4643), (327, 4559), (329, 4550), (331, 4544), (339, 4520), (351, 4475), (356, 4460), (381, 4391),

Gene: Aleia_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Aleia_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Ali17_61 Start: 48704, Stop: 49351, Start Num: 183

Candidate Starts for Ali17_61:

(Start: 183 @48704 has 13 MA's), (216, 48782), (241, 48830), (247, 48845), (263, 48902), (270, 48914), (276, 48932), (293, 48974), (311, 49025), (333, 49091), (334, 49094), (353, 49160), (354, 49166), (381, 49238), (402, 49280), (408, 49301),

Gene: Allegro_9 Start: 6474, Stop: 7049, Start Num: 187

Candidate Starts for Allegro_9:

(117, 6339), (Start: 129 @6357 has 3 MA's), (139, 6378), (Start: 140 @6381 has 1 MA's), (Start: 187 @6474 has 371 MA's), (Start: 209 @6531 has 1 MA's), (217, 6543), (228, 6561), (273, 6654), (276, 6663), (308, 6753), (310, 6756), (312, 6759), (325, 6795), (336, 6831), (339, 6840), (351, 6885), (352, 6888), (354, 6897), (378, 6957), (380, 6963), (381, 6966), (400, 7002), (409, 7026), (410, 7035),

Gene: AltPhacts_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for AltPhacts_6:

(Start: 187 @3919 has 371 MA's), (Start: 197 @3889 has 1 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514),

Gene: Altheas_57 Start: 42348, Stop: 41770, Start Num: 193

Candidate Starts for Altheas_57:

(Start: 193 @42348 has 44 MA's), (252, 42237), (326, 42027), (339, 41982), (341, 41976), (351, 41937), (356, 41922), (377, 41868), (409, 41793),

Gene: Altwerkus_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Altwerkus_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: AluminumJesus_52 Start: 41548, Stop: 40976, Start Num: 193

Candidate Starts for AluminumJesus_52:

(Start: 193 @41548 has 44 MA's), (220, 41482), (285, 41344), (288, 41335), (293, 41317), (331, 41209), (336, 41194), (339, 41185), (351, 41140), (354, 41128), (383, 41053), (400, 41023), (409, 40999),

Gene: AnClar_5 Start: 5209, Stop: 4682, Start Num: 187

Candidate Starts for AnClar_5:

(Start: 187 @5209 has 371 MA's), (239, 5134), (322, 4939), (324, 4936), (331, 4915), (339, 4891), (341, 4885), (351, 4846), (356, 4831), (365, 4813), (377, 4777), (381, 4765), (409, 4702),

Gene: AnarQue_8 Start: 6372, Stop: 5821, Start Num: 187

Candidate Starts for AnarQue_8:

(149, 6432), (159, 6417), (162, 6411), (Start: 187 @6372 has 371 MA's), (203, 6327), (206, 6321), (268, 6234), (275, 6216), (293, 6165), (294, 6162), (295, 6159), (331, 6060), (354, 5979), (381, 5907), (410, 5832),

Gene: Anderson_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Anderson_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Angel_51 Start: 36899, Stop: 37489, Start Num: 214

Candidate Starts for Angel_51:

(9, 36227), (10, 36230), (44, 36521), (63, 36650), (95, 36722), (148, 36845), (198, 36866), (199, 36872), (Start: 214 @36899 has 108 MA's), (235, 36947), (276, 37043), (286, 37070), (292, 37091), (294, 37097), (301, 37121), (333, 37208), (343, 37238), (348, 37271), (351, 37280), (367, 37319), (372, 37358), (381, 37385), (408, 37454),

Gene: AngelCake_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for AngelCake_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Angelicage_67 Start: 51950, Stop: 52588, Start Num: 184

Candidate Starts for Angelicage_67:

(Start: 184 @51950 has 47 MA's), (257, 52100), (296, 52190), (311, 52229), (315, 52244), (332, 52292), (334, 52298), (351, 52358), (365, 52391), (384, 52472), (408, 52529),

Gene: Annihilator_51 Start: 36905, Stop: 37495, Start Num: 214

Candidate Starts for Annihilator_51:

(9, 36233), (10, 36236), (44, 36527), (63, 36656), (95, 36728), (148, 36851), (198, 36872), (199, 36878), (Start: 214 @36905 has 108 MA's), (235, 36953), (276, 37049), (286, 37076), (292, 37097), (294, 37103), (301, 37127), (333, 37214), (343, 37244), (348, 37277), (351, 37286), (367, 37325), (372, 37364), (381, 37391), (408, 37460),

Gene: Antihero_6 Start: 5143, Stop: 4583, Start Num: 188

Candidate Starts for Antihero_6:

(Start: 183 @5152 has 13 MA's), (Start: 188 @5143 has 33 MA's), (268, 4987), (273, 4975), (293, 4918), (308, 4876), (312, 4870), (315, 4858), (329, 4819), (351, 4744), (365, 4711), (376, 4678), (377, 4675), (381, 4663), (382, 4660), (408, 4606),

Gene: Antonia_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Antonia_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Antsirabe_51 Start: 38179, Stop: 38778, Start Num: 214

Candidate Starts for Antsirabe_51:

(171, 38131), (198, 38140), (Start: 214 @38179 has 108 MA's), (225, 38206), (235, 38227), (279, 38332), (286, 38350), (293, 38374), (294, 38377), (343, 38518), (348, 38551), (349, 38554), (351, 38560), (372, 38635), (381, 38662), (418, 38764),

Gene: Antuna_38 Start: 22691, Stop: 23254, Start Num: 200

Candidate Starts for Antuna_38:

(Start: 200 @22691 has 11 MA's), (Start: 207 @22703 has 1 MA's), (Start: 214 @22721 has 108 MA's), (253, 22784), (265, 22826), (280, 22862), (281, 22865), (298, 22916), (303, 22931), (307, 22943), (319, 22976), (321, 22982), (349, 23072), (351, 23078), (354, 23090), (377, 23144),

Gene: Aonishiki_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Aonishiki_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Apizium_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Apizium_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Appa_37 Start: 22568, Stop: 23131, Start Num: 200

Candidate Starts for Appa_37:

(Start: 200 @22568 has 11 MA's), (Start: 207 @22580 has 1 MA's), (Start: 214 @22598 has 108 MA's), (253, 22661), (265, 22703), (280, 22739), (281, 22742), (298, 22793), (303, 22808), (307, 22820), (319, 22853), (321, 22859), (349, 22949), (351, 22955), (354, 22967), (377, 23021),

Gene: Arbiter_9 Start: 6447, Stop: 7139, Start Num: 129

Candidate Starts for Arbiter_9:

(117, 6429), (Start: 129 @6447 has 3 MA's), (139, 6468), (Start: 140 @6471 has 1 MA's), (Start: 187 @6564 has 371 MA's), (Start: 209 @6621 has 1 MA's), (217, 6633), (228, 6651), (273, 6744), (276, 6753), (295, 6807), (308, 6843), (310, 6846), (312, 6849), (325, 6885), (336, 6921), (339, 6930), (351, 6975), (352, 6978), (354, 6987), (378, 7047), (380, 7053), (381, 7056), (400, 7092), (409, 7116), (410, 7125),

Gene: Archis_77 Start: 45860, Stop: 46450, Start Num: 214

Candidate Starts for Archis_77:

(Start: 214 @45860 has 108 MA's), (297, 46082), (301, 46094), (303, 46100), (320, 46145), (328, 46163), (333, 46181), (334, 46184), (345, 46223), (346, 46226), (381, 46352),

Gene: Ares_9 Start: 6474, Stop: 7049, Start Num: 187

Candidate Starts for Ares_9:

(117, 6339), (Start: 129 @6357 has 3 MA's), (139, 6378), (Start: 140 @6381 has 1 MA's), (Start: 187 @6474 has 371 MA's), (Start: 209 @6531 has 1 MA's), (217, 6543), (228, 6561), (273, 6654), (276, 6663), (308, 6753), (310, 6756), (312, 6759), (325, 6795), (336, 6831), (339, 6840), (351, 6885), (352, 6888), (354, 6897), (378, 6957), (380, 6963), (381, 6966), (400, 7002), (409, 7026), (410, 7035),

Gene: Aroostook_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Aroostook_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Arri_64 Start: 47218, Stop: 47817, Start Num: 185

Candidate Starts for Arri_64:

(Start: 185 @47218 has 32 MA's), (334, 47533), (339, 47548), (351, 47593), (373, 47650), (384, 47683), (387, 47692), (397, 47722), (402, 47734), (411, 47770), (420, 47800),

Gene: Ashertheman_67 Start: 50107, Stop: 50742, Start Num: 186

Candidate Starts for Ashertheman_67:

(145, 50029), (Start: 186 @50107 has 24 MA's), (296, 50344), (311, 50383), (315, 50398), (327, 50428), (332, 50446), (391, 50644),

Gene: Asis_60 Start: 48756, Stop: 49346, Start Num: 212

Candidate Starts for Asis_60:

(167, 48633), (Start: 212 @48756 has 15 MA's), (245, 48807), (255, 48831), (261, 48858), (273, 48882), (284, 48915), (293, 48942), (294, 48945), (303, 48975), (318, 49014), (324, 49029), (333, 49056), (334, 49059), (358, 49149), (360, 49164), (362, 49170), (371, 49218), (379, 49248), (393, 49284),

Gene: Athena_9 Start: 6248, Stop: 5625, Start Num: 150

Candidate Starts for Athena_9:

(Start: 150 @6248 has 7 MA's), (Start: 187 @6176 has 371 MA's), (233, 6095), (254, 6068), (268, 6029), (280, 5996), (284, 5984), (340, 5831), (351, 5789), (365, 5756), (376, 5723), (399, 5672), (409, 5645),

Gene: Audrey_8 Start: 5414, Stop: 4863, Start Num: 187

Candidate Starts for Audrey_8:

(Start: 147 @5489 has 4 MA's), (160, 5471), (Start: 187 @5414 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: Austelle_7 Start: 6243, Stop: 5680, Start Num: 188

Candidate Starts for Austelle_7:

(Start: 153 @6303 has 1 MA's), (Start: 161 @6294 has 5 MA's), (Start: 183 @6252 has 13 MA's), (Start: 188 @6243 has 33 MA's), (268, 6087), (273, 6075), (293, 6015), (308, 5973), (312, 5967), (315, 5955), (329, 5916), (333, 5904), (365, 5808), (376, 5775), (377, 5772), (381, 5760), (382, 5757), (400, 5724), (408, 5703),

Gene: Avocado_52 Start: 39158, Stop: 39742, Start Num: 214

Candidate Starts for Avocado_52:

(63, 38822), (152, 39035), (155, 39038), (Start: 214 @39158 has 108 MA's), (248, 39224), (287, 39332), (293, 39353), (301, 39380), (318, 39422), (332, 39461), (343, 39494), (348, 39527), (363, 39563), (372, 39611), (381, 39638), (407, 39704),

Gene: Avrafan_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Avrafan_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Axumite_6 Start: 4904, Stop: 4362, Start Num: 187

Candidate Starts for Axumite_6:

(33, 5378), (58, 5207), (Start: 187 @4904 has 371 MA's), (208, 4850), (247, 4811), (293, 4697), (341, 4565), (351, 4526), (354, 4514), (356, 4511), (367, 4487), (376, 4460), (401, 4406), (409, 4382),

Gene: Azula_80 Start: 50046, Stop: 50630, Start Num: 214

Candidate Starts for Azula_80:

(1, 48945), (2, 48966), (11, 49161), (15, 49203), (16, 49221), (23, 49341), (36, 49608), (51, 49704), (Start: 214 @50046 has 108 MA's), (250, 50127), (253, 50130), (277, 50199), (293, 50250), (294, 50253), (295, 50256), (311, 50295), (317, 50316), (345, 50403), (357, 50442), (364, 50454), (368, 50463), (381, 50523), (390, 50550),

Gene: AzulaCat_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for AzulaCat_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: BPs_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for BPs_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: BQuat_51 Start: 37351, Stop: 37941, Start Num: 214

Candidate Starts for BQuat_51:

(9, 36679), (10, 36682), (44, 36973), (63, 37102), (95, 37174), (148, 37297), (198, 37318), (199, 37324), (Start: 214 @37351 has 108 MA's), (235, 37399), (276, 37495), (286, 37522), (292, 37543), (294, 37549), (301, 37573), (333, 37660), (343, 37690), (348, 37723), (351, 37732), (367, 37771), (372, 37810), (381, 37837), (408, 37906),

Gene: BabyDotz_53 Start: 42140, Stop: 41568, Start Num: 193

Candidate Starts for BabyDotz_53:

(144, 42227), (Start: 193 @42140 has 44 MA's), (220, 42074), (285, 41936), (288, 41927), (293, 41909), (331, 41801), (336, 41786), (339, 41777), (351, 41732), (383, 41645), (400, 41615), (409, 41591),

Gene: BabyGotBac_61 Start: 48762, Stop: 49352, Start Num: 212

Candidate Starts for BabyGotBac_61:

(Start: 212 @48762 has 15 MA's), (245, 48813), (255, 48837), (261, 48864), (273, 48888), (284, 48921), (293, 48948), (294, 48951), (303, 48981), (318, 49020), (324, 49035), (333, 49062), (334, 49065), (358, 49155), (360, 49170), (362, 49176), (371, 49224), (379, 49254), (393, 49290),

Gene: BaconCheese_58 Start: 43227, Stop: 42655, Start Num: 193

Candidate Starts for BaconCheese_58:

(Start: 193 @43227 has 44 MA's), (220, 43161), (285, 43023), (288, 43014), (293, 42996), (331, 42888), (336, 42873), (339, 42864), (351, 42819), (354, 42807), (383, 42732), (400, 42702), (409, 42678),

Gene: Baddon_65 Start: 50788, Stop: 51423, Start Num: 184

Candidate Starts for Baddon_65:

(Start: 184 @50788 has 47 MA's), (296, 51025), (311, 51064), (315, 51079), (327, 51109), (329, 51118), (332, 51127), (377, 51286), (391, 51325),

Gene: Badfish_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Badfish_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Baee_8 Start: 6221, Stop: 5655, Start Num: 188

Candidate Starts for Baee_8:

(Start: 188 @6221 has 33 MA's), (Start: 210 @6164 has 1 MA's), (268, 6062), (293, 5990), (295, 5984), (297, 5975), (312, 5942), (319, 5918), (333, 5879), (351, 5816), (354, 5804), (367, 5777), (393, 5705), (400, 5699),

Gene: Bakery_68 Start: 49465, Stop: 50097, Start Num: 185

Candidate Starts for Bakery_68:

(Start: 185 @49465 has 32 MA's), (329, 49798), (339, 49828), (349, 49867), (358, 49894), (384, 49963), (385, 49966), (387, 49972), (397, 50002), (402, 50014), (411, 50050), (420, 50080),

Gene: Baloo_8 Start: 5414, Stop: 4863, Start Num: 187

Candidate Starts for Baloo_8:

(Start: 147 @5489 has 4 MA's), (160, 5471), (Start: 187 @5414 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: Bananafish_9 Start: 6474, Stop: 7049, Start Num: 187

Candidate Starts for Bananafish_9:

(117, 6339), (Start: 129 @6357 has 3 MA's), (131, 6360), (137, 6372), (139, 6378), (Start: 187 @6474 has 371 MA's), (218, 6546), (234, 6573), (273, 6654), (276, 6663), (308, 6753), (310, 6756), (312, 6759), (325, 6795), (336, 6831), (339, 6840), (351, 6885), (352, 6888), (354, 6897), (378, 6957), (380, 6963), (381, 6966), (400, 7002), (409, 7026), (410, 7035),

Gene: Banjo_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Banjo_6:

(Start: 187 @3919 has 371 MA's), (Start: 197 @3889 has 1 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Barb_65 Start: 47095, Stop: 47694, Start Num: 185

Candidate Starts for Barb_65:

(Start: 185 @47095 has 32 MA's), (334, 47410), (339, 47425), (351, 47470), (373, 47527), (384, 47560), (387, 47569), (397, 47599), (402, 47611), (420, 47677),

Gene: Barco_72 Start: 45671, Stop: 46261, Start Num: 214

Candidate Starts for Barco_72:

(65, 45398), (73, 45419), (Start: 214 @45671 has 108 MA's), (293, 45878), (297, 45893), (301, 45905), (303, 45911), (320, 45956), (334, 45995), (345, 46034), (346, 46037), (381, 46163), (409, 46235),

Gene: Barkley26_50 Start: 36819, Stop: 37409, Start Num: 214

Candidate Starts for Barkley26_50:

(19, 36237), (44, 36438), (95, 36639), (148, 36765), (198, 36786), (199, 36792), (Start: 214 @36819 has 108 MA's), (276, 36963), (292, 37011), (294, 37017), (301, 37041), (333, 37128), (343, 37158), (348, 37191), (351, 37200), (367, 37239), (372, 37278), (381, 37305), (408, 37374),

Gene: Barsten_69 Start: 51643, Stop: 52386, Start Num: 130

Candidate Starts for Barsten_69:

(48, 51355), (53, 51391), (Start: 130 @51643 has 1 MA's), (Start: 153 @51691 has 1 MA's), (Start: 168 @51712 has 3 MA's), (Start: 184 @51748 has 47 MA's), (219, 51823), (294, 51979), (296, 51988), (311, 52027), (315, 52042), (332, 52090), (365, 52189), (384, 52270), (408, 52327),

Gene: Basato_7 Start: 4152, Stop: 3598, Start Num: 187

Candidate Starts for Basato_7:

(Start: 187 @4152 has 371 MA's), (Start: 197 @4122 has 1 MA's), (203, 4107), (208, 4098), (268, 4002), (295, 3927), (308, 3891), (312, 3885), (352, 3756), (354, 3747), (403, 3636),

Gene: BatteryCK_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for BatteryCK_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Baumdotcom_65 Start: 50065, Stop: 50700, Start Num: 184

Candidate Starts for Baumdotcom_65:

(Start: 184 @50065 has 47 MA's), (296, 50302), (311, 50341), (315, 50356), (327, 50386), (329, 50395), (332, 50404), (365, 50503), (391, 50602),

Gene: BayC_60 Start: 48760, Stop: 49350, Start Num: 212

Candidate Starts for BayC_60:

(167, 48637), (Start: 212 @48760 has 15 MA's), (240, 48799), (245, 48811), (255, 48835), (261, 48862), (273, 48886), (284, 48919), (293, 48946), (294, 48949), (303, 48979), (318, 49018), (324, 49033), (333, 49060), (334, 49063), (358, 49153), (360, 49168), (362, 49174), (371, 49222), (379, 49252), (393, 49288),

Gene: Beaglebox_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Beaglebox_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: Begonia_73 Start: 48471, Stop: 49061, Start Num: 214

Candidate Starts for Begonia_73:

(65, 48171), (73, 48192), (Start: 214 @48471 has 108 MA's), (297, 48693), (301, 48705), (303, 48711), (320, 48756), (328, 48774), (333, 48792), (334, 48795), (345, 48834), (346, 48837), (381, 48963),

Gene: Belphegor_63 Start: 49802, Stop: 50470, Start Num: 186

Candidate Starts for Belphegor_63:

(95, 49589), (105, 49628), (128, 49685), (132, 49691), (134, 49694), (135, 49697), (142, 49715), (157, 49742), (Start: 186 @49802 has 24 MA's), (241, 49928), (247, 49943), (263, 50000), (270, 50012), (293, 50072), (311, 50123), (333, 50189), (334, 50192), (339, 50207), (353, 50258), (354, 50264), (381, 50336), (402, 50378),

Gene: Ben11_7 Start: 5262, Stop: 4711, Start Num: 187

Candidate Starts for Ben11_7:

(Start: 147 @5337 has 4 MA's), (160, 5319), (Start: 187 @5262 has 371 MA's), (233, 5181), (254, 5154), (268, 5115), (280, 5082), (284, 5070), (340, 4917), (351, 4875), (365, 4842), (376, 4809), (399, 4758), (409, 4731),

Gene: Bernardo_8 Start: 5441, Stop: 4863, Start Num: 187

Candidate Starts for Bernardo_8:

(Start: 150 @5513 has 7 MA's), (Start: 187 @5441 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: Bibwit_67 Start: 50594, Stop: 51265, Start Num: 168

Candidate Starts for Bibwit_67:

(83, 50396), (93, 50420), (Start: 130 @50525 has 1 MA's), (Start: 153 @50573 has 1 MA's), (Start: 168 @50594 has 3 MA's), (Start: 184 @50627 has 47 MA's), (257, 50777), (296, 50867), (311, 50906), (315, 50921), (332, 50969), (334, 50975), (365, 51068), (384, 51149), (408, 51206),

Gene: BigHunkinEater_67 Start: 49092, Stop: 49739, Start Num: 184

Candidate Starts for BigHunkinEater_67:

(Start: 184 @49092 has 47 MA's), (216, 49170), (237, 49212), (241, 49218), (270, 49284), (279, 49302), (311, 49386), (315, 49401), (336, 49461), (339, 49470), (354, 49536), (358, 49545), (386, 49623), (402, 49650), (422, 49728),

Gene: BiggityBass_5 Start: 4713, Stop: 4186, Start Num: 187

Candidate Starts for BiggityBass_5:

(Start: 187 @4713 has 371 MA's), (203, 4668), (254, 4629), (271, 4587), (319, 4452), (331, 4422), (339, 4398), (341, 4392), (356, 4338), (367, 4314), (376, 4287), (381, 4272),

Gene: Bipper_88 Start: 56814, Stop: 57383, Start Num: 214

Candidate Starts for Bipper_88:

(59, 56400), (60, 56403), (67, 56436), (69, 56439), (97, 56514), (106, 56547), (113, 56571), (133, 56610), (172, 56688), (173, 56691), (Start: 214 @56814 has 108 MA's), (283, 56970), (284, 56973), (287, 56982), (293, 57003), (294, 57006), (315, 57063), (324, 57087), (332, 57111), (333, 57114), (334, 57117), (337, 57129), (349, 57177), (355, 57198), (372, 57264), (375, 57273), (392, 57318), (394, 57321), (406, 57351),

Gene: BirdInFrench_61 Start: 42242, Stop: 41679, Start Num: 193

Candidate Starts for BirdInFrench_61:

(162, 42308), (166, 42299), (Start: 193 @42242 has 44 MA's), (293, 42020), (351, 41846), (352, 41843), (354, 41834), (381, 41765), (409, 41702),

Gene: BirdsNest_10 Start: 4668, Stop: 4063, Start Num: 176

Candidate Starts for BirdsNest_10:

(Start: 176 @4668 has 1 MA's), (181, 4656), (Start: 187 @4647 has 371 MA's), (228, 4554), (241, 4539), (250, 4524), (268, 4479), (295, 4401), (312, 4359), (313, 4356), (351, 4224), (352, 4221), (400, 4107), (405, 4098), (409, 4083),

Gene: Bishoperium_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Bishoperium_6:

(Start: 187 @3919 has 371 MA's), (Start: 197 @3889 has 1 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Bizzy_67 Start: 49985, Stop: 50620, Start Num: 184

Candidate Starts for Bizzy_67:

(Start: 184 @49985 has 47 MA's), (296, 50222), (311, 50261), (315, 50276), (327, 50306), (329, 50315), (332, 50324), (351, 50390), (365, 50423), (377, 50483), (391, 50522),

Gene: Blab_52 Start: 41398, Stop: 40823, Start Num: 193

Candidate Starts for Blab_52:

(Start: 193 @41398 has 44 MA's), (220, 41332), (285, 41191), (288, 41182), (293, 41164), (331, 41056), (336, 41041), (339, 41032), (351, 40987), (354, 40975), (383, 40900), (400, 40870), (409, 40846),

Gene: BlackStallion_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for BlackStallion_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Blackpen_8 Start: 5864, Stop: 5313, Start Num: 187

Candidate Starts for Blackpen_8:

(149, 5924), (159, 5909), (162, 5903), (Start: 187 @5864 has 371 MA's), (203, 5819), (206, 5813), (268, 5726), (275, 5708), (283, 5684), (293, 5657), (294, 5654), (295, 5651), (331, 5552), (354, 5471), (381, 5399), (410, 5324),

Gene: Blackberry_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Blackberry_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Blett_37 Start: 22730, Stop: 23311, Start Num: 200

Candidate Starts for Blett_37:

(Start: 200 @22730 has 11 MA's), (Start: 214 @22760 has 108 MA's), (265, 22883), (277, 22910), (284, 22931), (298, 22973), (303, 22988), (307, 23000), (323, 23042), (349, 23129), (351, 23135), (354, 23147), (377, 23201),

Gene: BlingBling_70 Start: 45443, Stop: 46036, Start Num: 211

Candidate Starts for BlingBling_70:

(Start: 211 @45443 has 3 MA's), (297, 45668), (301, 45680), (303, 45686), (320, 45731), (328, 45749), (333, 45767), (334, 45770), (346, 45812), (381, 45938), (409, 46010),

Gene: Blino_77 Start: 51275, Stop: 51865, Start Num: 214

Candidate Starts for Blino_77:

(Start: 214 @51275 has 108 MA's), (284, 51452), (297, 51497), (301, 51509), (303, 51515), (320, 51560), (328, 51578), (333, 51596), (334, 51599), (345, 51638), (346, 51641), (381, 51767), (409, 51839),

Gene: Blocker23_9 Start: 6591, Stop: 7166, Start Num: 187

Candidate Starts for Blocker23_9:

(117, 6456), (Start: 129 @6474 has 3 MA's), (131, 6477), (137, 6489), (139, 6495), (Start: 187 @6591 has 371 MA's), (218, 6663), (234, 6690), (273, 6771), (276, 6780), (308, 6870), (310, 6873), (312, 6876), (325, 6912), (336, 6948), (339, 6957), (351, 7002), (352, 7005), (354, 7014), (378, 7074), (380, 7080), (381, 7083), (400, 7119), (409, 7143), (410, 7152),

Gene: BlueHusk_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for BlueHusk_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Blueberry_79 Start: 50046, Stop: 50630, Start Num: 214

Candidate Starts for Blueberry_79:

(1, 48945), (2, 48966), (11, 49161), (15, 49203), (16, 49221), (23, 49341), (36, 49608), (51, 49704), (Start: 214 @50046 has 108 MA's), (250, 50127), (253, 50130), (277, 50199), (293, 50250), (294,

50253), (295, 50256), (311, 50295), (317, 50316), (345, 50403), (357, 50442), (364, 50454), (368, 50463), (381, 50523), (390, 50550),

Gene: Bluephacebaby_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Bluephacebaby_6:

(Start: 187 @3919 has 371 MA's), (Start: 197 @3889 has 1 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: BobBob_69 Start: 51250, Stop: 51888, Start Num: 184

Candidate Starts for BobBob_69:

(Start: 184 @51250 has 47 MA's), (219, 51325), (257, 51400), (294, 51481), (296, 51490), (311, 51529), (315, 51544), (332, 51592), (351, 51658), (365, 51691), (384, 51772), (408, 51829),

Gene: BobRoss2024_5 Start: 4729, Stop: 4181, Start Num: 187

Candidate Starts for BobRoss2024_5:

(Start: 187 @4729 has 371 MA's), (268, 4591), (294, 4522), (295, 4519), (329, 4426), (331, 4420), (332, 4417), (335, 4408), (356, 4336), (381, 4267),

Gene: BobbyK_7 Start: 6240, Stop: 5677, Start Num: 188

Candidate Starts for BobbyK_7:

(Start: 153 @6300 has 1 MA's), (Start: 161 @6291 has 5 MA's), (Start: 183 @6249 has 13 MA's), (Start: 188 @6240 has 33 MA's), (268, 6084), (273, 6072), (293, 6012), (308, 5970), (312, 5964), (315, 5952), (329, 5913), (333, 5901), (351, 5838), (365, 5805), (376, 5772), (377, 5769), (381, 5757), (382, 5754), (400, 5721), (408, 5700),

Gene: Boehler_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Boehler_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Boyle_9 Start: 6591, Stop: 7166, Start Num: 187

Candidate Starts for Boyle_9:

(117, 6456), (Start: 129 @6474 has 3 MA's), (131, 6477), (139, 6495), (Start: 140 @6498 has 1 MA's), (Start: 187 @6591 has 371 MA's), (218, 6663), (234, 6690), (273, 6771), (276, 6780), (308, 6870), (310, 6873), (312, 6876), (325, 6912), (336, 6948), (339, 6957), (351, 7002), (352, 7005), (354, 7014), (377, 7071), (378, 7074), (380, 7080), (381, 7083), (400, 7119), (409, 7143), (410, 7152),

Gene: Brandonk123_73 Start: 51642, Stop: 52280, Start Num: 184

Candidate Starts for Brandonk123_73:

(Start: 184 @51642 has 47 MA's), (257, 51792), (294, 51873), (296, 51882), (311, 51921), (315, 51936), (332, 51984), (365, 52083), (384, 52164), (408, 52221),

Gene: Brawn1_66 Start: 50768, Stop: 51406, Start Num: 184

Candidate Starts for Brawn1_66:

(93, 50567), (104, 50612), (Start: 130 @50666 has 1 MA's), (Start: 153 @50714 has 1 MA's), (Start: 168 @50735 has 3 MA's), (Start: 184 @50768 has 47 MA's), (257, 50918), (296, 51008), (311, 51047), (315, 51062), (332, 51110), (334, 51116), (365, 51209), (384, 51290), (408, 51347),

Gene: Briakila_8 Start: 6278, Stop: 5625, Start Num: 147

Candidate Starts for Briakila_8:

(Start: 147 @6278 has 4 MA's), (160, 6260), (Start: 187 @6203 has 371 MA's), (233, 6095), (254, 6068), (268, 6029), (280, 5996), (284, 5984), (340, 5831), (351, 5789), (365, 5756), (376, 5723), (399, 5672), (409, 5645),

Gene: Brilliant_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Brilliant_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: BrownCNA_7 Start: 6240, Stop: 5680, Start Num: 188

Candidate Starts for BrownCNA_7:

(125, 6360), (126, 6357), (Start: 188 @6240 has 33 MA's), (268, 6084), (273, 6072), (276, 6063), (293, 6015), (312, 5967), (315, 5955), (319, 5943), (329, 5916), (333, 5904), (365, 5808), (376, 5775), (381, 5760), (382, 5757), (400, 5724), (408, 5703),

Gene: Brownie5_9 Start: 6591, Stop: 7166, Start Num: 187

Candidate Starts for Brownie5_9:

(117, 6456), (Start: 129 @6474 has 3 MA's), (139, 6495), (Start: 140 @6498 has 1 MA's), (Start: 187 @6591 has 371 MA's), (Start: 209 @6648 has 1 MA's), (217, 6660), (228, 6678), (273, 6771), (276, 6780), (308, 6870), (310, 6873), (312, 6876), (325, 6912), (336, 6948), (339, 6957), (351, 7002), (352, 7005), (354, 7014), (378, 7074), (380, 7080), (381, 7083), (400, 7119), (409, 7143), (410, 7152),

Gene: BruceB_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for BruceB_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Buckeye_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Buckeye_6:

(143, 4003), (174, 3943), (Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Burr_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Burr_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Bush_38 Start: 22678, Stop: 23259, Start Num: 200

Candidate Starts for Bush_38:

(98, 22423), (Start: 200 @22678 has 11 MA's), (Start: 214 @22708 has 108 MA's), (265, 22831), (277, 22858), (284, 22879), (298, 22921), (303, 22936), (307, 22948), (323, 22990), (349, 23077), (351, 23083), (354, 23095), (377, 23149),

Gene: CLED96_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for CLED96_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: CRB2_9 Start: 6920, Stop: 6342, Start Num: 187

Candidate Starts for CRB2_9:

(Start: 187 @6920 has 371 MA's), (208, 6866), (241, 6818), (268, 6755), (295, 6680), (308, 6644), (312, 6638), (319, 6614), (333, 6575), (344, 6542), (351, 6503), (352, 6500), (354, 6491), (367, 6464),

(378, 6431), (409, 6362),

Gene: CaiB_8 Start: 6372, Stop: 5821, Start Num: 187

Candidate Starts for CaiB_8:

(149, 6432), (159, 6417), (162, 6411), (Start: 187 @6372 has 371 MA's), (203, 6327), (206, 6321), (268, 6234), (275, 6216), (283, 6192), (293, 6165), (294, 6162), (295, 6159), (331, 6060), (354, 5979), (381, 5907), (388, 5886), (410, 5832),

Gene: Calamitous_9 Start: 6474, Stop: 7049, Start Num: 187

Candidate Starts for Calamitous_9:

(117, 6339), (Start: 129 @6357 has 3 MA's), (139, 6378), (Start: 140 @6381 has 1 MA's), (Start: 187 @6474 has 371 MA's), (Start: 209 @6531 has 1 MA's), (217, 6543), (228, 6561), (273, 6654), (276, 6663), (308, 6753), (310, 6756), (312, 6759), (325, 6795), (336, 6831), (339, 6840), (351, 6885), (352, 6888), (354, 6897), (378, 6957), (380, 6963), (381, 6966), (400, 7002), (409, 7026), (410, 7035),

Gene: CamL_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for CamL_6:

(Start: 187 @3915 has 371 MA's), (Start: 197 @3885 has 1 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Cambiare_51 Start: 38958, Stop: 39542, Start Num: 214

Candidate Starts for Cambiare_51:

(63, 38583), (152, 38796), (155, 38799), (198, 38916), (Start: 214 @38958 has 108 MA's), (248, 39024), (287, 39132), (293, 39153), (294, 39156), (295, 39159), (301, 39180), (318, 39222), (332, 39261), (343, 39294), (348, 39327), (363, 39363), (372, 39411), (381, 39438), (407, 39504),

Gene: CampRoach_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for CampRoach_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Camri_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Camri_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: CandC_60 Start: 41891, Stop: 41328, Start Num: 193

Candidate Starts for CandC_60:

(71, 42188), (Start: 193 @41891 has 44 MA's), (266, 41747), (352, 41492), (354, 41483), (381, 41414), (409, 41351),

Gene: Cannibal_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Cannibal_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: CaptainKirk2_75 Start: 45228, Stop: 45818, Start Num: 214

Candidate Starts for CaptainKirk2_75:

(65, 44955), (73, 44976), (Start: 214 @45228 has 108 MA's), (293, 45435), (297, 45450), (301, 45462), (303, 45468), (320, 45513), (328, 45531), (333, 45549), (334, 45552), (345, 45591), (346, 45594), (381, 45720), (409, 45792),

Gene: CarolAnn_76 Start: 51274, Stop: 51864, Start Num: 214

Candidate Starts for CarolAnn_76:

(Start: 214 @51274 has 108 MA's), (284, 51451), (297, 51496), (301, 51508), (303, 51514), (320, 51559), (328, 51577), (333, 51595), (334, 51598), (345, 51637), (346, 51640), (381, 51766), (409, 51838),

Gene: Carrillo_39 Start: 22669, Stop: 23232, Start Num: 200

Candidate Starts for Carrillo_39:

(Start: 200 @22669 has 11 MA's), (Start: 207 @22681 has 1 MA's), (Start: 214 @22699 has 108 MA's), (253, 22762), (265, 22804), (280, 22840), (281, 22843), (298, 22894), (303, 22909), (307, 22921), (319, 22954), (321, 22960), (349, 23050), (351, 23056), (354, 23068), (377, 23122),

Gene: Carthage_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Carthage_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Casbah_7 Start: 5262, Stop: 4711, Start Num: 187

Candidate Starts for Casbah_7:

(Start: 150 @5334 has 7 MA's), (Start: 187 @5262 has 371 MA's), (233, 5181), (254, 5154), (268, 5115), (280, 5082), (284, 5070), (340, 4917), (351, 4875), (365, 4842), (376, 4809), (399, 4758), (409, 4731),

Gene: Casend_54 Start: 41950, Stop: 41372, Start Num: 193

Candidate Starts for Casend_54:

(80, 42193), (141, 42031), (Start: 193 @41950 has 44 MA's), (252, 41839), (288, 41734), (326, 41629), (339, 41584), (341, 41578), (351, 41539), (356, 41524), (377, 41470), (409, 41395),

Gene: Caspiboi_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Caspiboi_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: CassieYates_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for CassieYates_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Causa_14 Start: 8926, Stop: 8369, Start Num: 179

Candidate Starts for Causa_14:

(Start: 179 @8926 has 2 MA's), (203, 8872), (Start: 210 @8857 has 1 MA's), (268, 8770), (280, 8737), (297, 8692), (304, 8677), (340, 8575), (351, 8533), (408, 8392), (409, 8389),

Gene: Cedasite_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Cedasite_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: ChaChing_8 Start: 5429, Stop: 4860, Start Num: 187

Candidate Starts for ChaChing_8:

(Start: 147 @5504 has 4 MA's), (160, 5486), (Start: 187 @5429 has 371 MA's), (233, 5330), (254, 5303), (268, 5264), (280, 5231), (284, 5219), (340, 5066), (351, 5024), (365, 4991), (376, 4958), (399, 4907), (409, 4880),

Gene: ChadMasterC_68 Start: 53124, Stop: 53762, Start Num: 184

Candidate Starts for ChadMasterC_68:

(48, 52734), (53, 52770), (54, 52788), (99, 52938), (Start: 130 @53022 has 1 MA's), (Start: 153 @53070 has 1 MA's), (Start: 168 @53091 has 3 MA's), (Start: 184 @53124 has 47 MA's), (219, 53199), (257, 53274), (296, 53364), (311, 53403), (315, 53418), (332, 53466), (334, 53472), (351, 53532), (358, 53553), (365, 53565), (384, 53646), (408, 53703),

Gene: Chaelin_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Chaelin_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511),

Gene: Chah_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Chah_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Chalmers_8 Start: 6203, Stop: 5625, Start Num: 187

Candidate Starts for Chalmers_8:

(Start: 150 @6275 has 7 MA's), (Start: 187 @6203 has 371 MA's), (233, 6095), (254, 6068), (268, 6029), (280, 5996), (284, 5984), (340, 5831), (351, 5789), (365, 5756), (376, 5723), (399, 5672), (409, 5645),

Gene: Chance64_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Chance64_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Chandler_8 Start: 6176, Stop: 5625, Start Num: 187

Candidate Starts for Chandler_8:

(Start: 150 @6248 has 7 MA's), (Start: 187 @6176 has 371 MA's), (233, 6095), (254, 6068), (268, 6029), (280, 5996), (284, 5984), (340, 5831), (351, 5789), (365, 5756), (376, 5723), (399, 5672), (409, 5645),

Gene: CharlieGBrown_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for CharlieGBrown_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: CharlottesWeb_6 Start: 4909, Stop: 4358, Start Num: 187

Candidate Starts for CharlottesWeb_6:

(Start: 187 @4909 has 371 MA's), (230, 4828), (233, 4822), (247, 4804), (254, 4795), (293, 4693), (324, 4609), (339, 4564), (341, 4558), (351, 4519), (354, 4507), (356, 4504), (367, 4480), (376, 4453), (377, 4450), (409, 4378),

Gene: Charming_72 Start: 50994, Stop: 51632, Start Num: 184

Candidate Starts for Charming_72:

(Start: 184 @50994 has 47 MA's), (257, 51144), (294, 51225), (296, 51234), (311, 51273), (315, 51288), (332, 51336), (365, 51435), (384, 51516), (408, 51573),

Gene: CheeseSpider_86 Start: 49892, Stop: 50476, Start Num: 214

Candidate Starts for CheeseSpider_86:

(Start: 214 @49892 has 108 MA's), (243, 49958), (250, 49973), (277, 50045), (294, 50099), (295, 50102), (311, 50141), (317, 50162), (345, 50249), (357, 50288), (364, 50300), (368, 50309), (381, 50369),

Gene: CheetO_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for CheetO_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Chentzyk_7 Start: 5289, Stop: 4711, Start Num: 187

Candidate Starts for Chentzyk_7:

(Start: 150 @5361 has 7 MA's), (Start: 187 @5289 has 371 MA's), (233, 5181), (254, 5154), (268, 5115), (280, 5082), (284, 5070), (340, 4917), (351, 4875), (365, 4842), (376, 4809), (399, 4758), (409, 4731),

Gene: Cher_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Cher_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: CherryCola_64 Start: 47836, Stop: 48438, Start Num: 185

Candidate Starts for CherryCola_64:

(Start: 185 @47836 has 32 MA's), (305, 48076), (334, 48154), (339, 48169), (351, 48214), (358, 48235), (384, 48304), (387, 48313), (397, 48343), (402, 48355), (420, 48421),

Gene: CherryTomatoes_181 Start: 130723, Stop: 131295, Start Num: 212

Candidate Starts for CherryTomatoes_181:

(43, 130210), (146, 130567), (148, 130570), (Start: 212 @130723 has 15 MA's), (224, 130759), (232, 130777), (272, 130855), (277, 130873), (290, 130915), (308, 130963), (334, 131035), (351, 131095), (413, 131260),

Gene: Cherrybomb426_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Cherrybomb426_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Chickadee_62 Start: 45756, Stop: 46382, Start Num: 186

Candidate Starts for Chickadee_62:

(Start: 186 @45756 has 24 MA's), (208, 45813), (247, 45897), (280, 45969), (293, 45999), (328, 46098), (354, 46200), (377, 46260), (402, 46314), (406, 46329),

Gene: Childish_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Childish_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Chipette_8 Start: 4153, Stop: 3599, Start Num: 187

Candidate Starts for Chipette_8:

(Start: 187 @4153 has 371 MA's), (Start: 197 @4123 has 1 MA's), (203, 4108), (208, 4099), (268, 4003), (295, 3928), (308, 3892), (312, 3886), (352, 3757), (354, 3748), (403, 3637),

Gene: Chorkpop_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Chorkpop_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: ChrisnMich_6 Start: 5152, Stop: 4583, Start Num: 183

Candidate Starts for ChrisnMich_6:

(Start: 183 @5152 has 13 MA's), (Start: 188 @5143 has 33 MA's), (268, 4987), (273, 4975), (293, 4918), (308, 4876), (312, 4870), (315, 4858), (365, 4711), (376, 4678), (377, 4675), (381, 4663), (382, 4660), (400, 4627), (408, 4606),

Gene: Chunky_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Chunky_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: Chute_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Chute_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: ClamChowder_65 Start: 47095, Stop: 47694, Start Num: 185

Candidate Starts for ClamChowder_65:

(Start: 185 @47095 has 32 MA's), (334, 47410), (339, 47425), (351, 47470), (373, 47527), (384, 47560), (387, 47569), (397, 47599), (402, 47611), (420, 47677),

Gene: Cloudyecho_52 Start: 38916, Stop: 39503, Start Num: 151

Candidate Starts for Cloudyecho_52:

(100, 38832), (116, 38877), (Start: 151 @38916 has 2 MA's), (235, 38964), (279, 39069), (293, 39111), (294, 39114), (348, 39288), (349, 39291), (372, 39372), (381, 39399), (386, 39414), (412, 39486),

Gene: CloverMinnie_8 Start: 6372, Stop: 5821, Start Num: 187

Candidate Starts for CloverMinnie_8:

(149, 6432), (159, 6417), (162, 6411), (Start: 187 @6372 has 371 MA's), (203, 6327), (206, 6321), (268, 6234), (275, 6216), (283, 6192), (293, 6165), (294, 6162), (295, 6159), (331, 6060), (354, 5979), (381, 5907), (410, 5832),

Gene: Clown_76 Start: 51335, Stop: 51934, Start Num: 183

Candidate Starts for Clown_76:

(138, 51254), (Start: 183 @51335 has 13 MA's), (Start: 193 @51353 has 44 MA's), (329, 51635), (336, 51656), (339, 51665), (358, 51731), (387, 51809), (390, 51818), (397, 51839), (402, 51851), (420, 51917),

Gene: Cobra_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Cobra_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Coffee_9 Start: 6591, Stop: 7166, Start Num: 187

Candidate Starts for Coffee_9:

(117, 6456), (Start: 129 @6474 has 3 MA's), (131, 6477), (137, 6489), (139, 6495), (Start: 187 @6591 has 371 MA's), (218, 6663), (234, 6690), (273, 6771), (276, 6780), (308, 6870), (310, 6873), (312, 6876), (325, 6912), (336, 6948), (339, 6957), (351, 7002), (352, 7005), (354, 7014), (378, 7074), (380, 7080), (381, 7083), (400, 7119), (409, 7143), (410, 7152),

Gene: Colbert_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Colbert_6:

(Start: 187 @3915 has 371 MA's), (Start: 197 @3885 has 1 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Coldpizza_8 Start: 6798, Stop: 6247, Start Num: 187

Candidate Starts for Coldpizza_8:

(180, 6816), (Start: 187 @6798 has 371 MA's), (262, 6669), (287, 6606), (290, 6597), (294, 6591), (295, 6588), (311, 6549), (319, 6522), (333, 6483), (340, 6462), (365, 6387), (382, 6336),

Gene: Coleslaw_51 Start: 37351, Stop: 37941, Start Num: 214

Candidate Starts for Coleslaw_51:

(9, 36679), (10, 36682), (44, 36973), (63, 37102), (95, 37174), (148, 37297), (198, 37318), (199, 37324), (Start: 214 @37351 has 108 MA's), (235, 37399), (276, 37495), (286, 37522), (292, 37543), (294, 37549), (301, 37573), (333, 37660), (343, 37690), (348, 37723), (351, 37732), (367, 37771), (372, 37810), (381, 37837), (408, 37906),

Gene: Coletti_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Coletti_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Compostia_8 Start: 5421, Stop: 4870, Start Num: 187

Candidate Starts for Compostia_8:

(Start: 150 @5493 has 7 MA's), (Start: 187 @5421 has 371 MA's), (233, 5340), (254, 5313), (268, 5274), (280, 5241), (284, 5229), (340, 5076), (351, 5034), (365, 5001), (376, 4968), (399, 4917), (409, 4890),

Gene: CookieDog_37 Start: 22669, Stop: 23232, Start Num: 200

Candidate Starts for CookieDog_37:

(132, 22498), (Start: 200 @22669 has 11 MA's), (Start: 207 @22681 has 1 MA's), (Start: 214 @22699 has 108 MA's), (265, 22804), (280, 22840), (281, 22843), (298, 22894), (303, 22909), (307, 22921), (321, 22960), (349, 23050), (351, 23056), (354, 23068), (377, 23122), (386, 23149),

Gene: Cornbread_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Cornbread_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Cornobble_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Cornobble_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Corofin_8 Start: 5438, Stop: 4860, Start Num: 187

Candidate Starts for Corofin_8:

(Start: 150 @5510 has 7 MA's), (Start: 187 @5438 has 371 MA's), (233, 5330), (254, 5303), (268, 5264), (280, 5231), (284, 5219), (340, 5066), (351, 5024), (365, 4991), (376, 4958), (399, 4907), (409, 4880),

Gene: Cosmolli16_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Cosmolli16_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: CoveyB_64 Start: 46929, Stop: 47531, Start Num: 185

Candidate Starts for CoveyB_64:

(Start: 185 @46929 has 32 MA's), (305, 47169), (334, 47247), (339, 47262), (351, 47307), (358, 47328), (384, 47397), (385, 47400), (387, 47406), (397, 47436), (402, 47448), (420, 47514),

Gene: Cracklewink_89 Start: 56009, Stop: 56578, Start Num: 214

Candidate Starts for Cracklewink_89:

(194, 55973), (Start: 214 @56009 has 108 MA's), (283, 56165), (284, 56168), (287, 56177), (293, 56198), (294, 56201), (315, 56258), (324, 56282), (332, 56306), (333, 56309), (334, 56312), (337, 56324), (349, 56372), (355, 56393), (372, 56459), (375, 56468), (392, 56513), (394, 56516), (406, 56546),

Gene: Craff_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Craff_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Crespo_50 Start: 36915, Stop: 37505, Start Num: 214

Candidate Starts for Crespo_50:

(9, 36243), (10, 36246), (44, 36537), (63, 36666), (95, 36738), (148, 36861), (198, 36882), (199, 36888), (Start: 214 @36915 has 108 MA's), (235, 36963), (276, 37059), (286, 37086), (292, 37107), (294, 37113), (301, 37137), (333, 37224), (343, 37254), (348, 37287), (351, 37296), (367, 37335), (372, 37374), (381, 37401), (408, 37470),

Gene: Crownjwl_7 Start: 4153, Stop: 3599, Start Num: 187

Candidate Starts for Crownjwl_7:

(Start: 187 @4153 has 371 MA's), (203, 4108), (208, 4099), (268, 4003), (295, 3928), (308, 3892), (312, 3886), (352, 3757), (354, 3748),

Gene: DMoney_50 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for DMoney_50:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: DNAIII_0049 Start: 35449, Stop: 36039, Start Num: 214

Candidate Starts for DNAIII_0049:

(4, 34744), (9, 34777), (10, 34780), (44, 35071), (63, 35200), (95, 35272), (148, 35395), (198, 35416), (199, 35422), (Start: 214 @35449 has 108 MA's), (235, 35497), (276, 35593), (286, 35620), (292, 35641), (294, 35647), (301, 35671), (333, 35758), (343, 35788), (348, 35821), (351, 35830), (367,

35869), (372, 35908), (381, 35935), (408, 36004),

Gene: DaddyDaniels_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for DaddyDaniels_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Daffy_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Daffy_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Daisy_8 Start: 5492, Stop: 4866, Start Num: 147

Candidate Starts for Daisy_8:

(Start: 147 @5492 has 4 MA's), (160, 5474), (Start: 187 @5417 has 371 MA's), (233, 5336), (254, 5309), (268, 5270), (280, 5237), (284, 5225), (340, 5072), (351, 5030), (365, 4997), (376, 4964), (399, 4913), (409, 4886),

Gene: Danyall_64 Start: 47189, Stop: 47788, Start Num: 185

Candidate Starts for Danyall_64:

(Start: 185 @47189 has 32 MA's), (339, 47519), (351, 47564), (373, 47621), (384, 47654), (387, 47663), (397, 47693), (402, 47705), (420, 47771),

Gene: Darionha_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Darionha_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Dati_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Dati_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Deenasa_8 Start: 6176, Stop: 5625, Start Num: 187

Candidate Starts for Deenasa_8:

(Start: 150 @6248 has 7 MA's), (Start: 187 @6176 has 371 MA's), (233, 6095), (254, 6068), (268, 6029), (280, 5996), (284, 5984), (340, 5831), (351, 5789), (365, 5756), (376, 5723), (399, 5672), (409, 5645),

Gene: DelRivs_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for DelRivs_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Delian_78 Start: 45226, Stop: 45816, Start Num: 214

Candidate Starts for Delian_78:

(65, 44953), (73, 44974), (Start: 214 @45226 has 108 MA's), (293, 45433), (297, 45448), (301, 45460), (303, 45466), (320, 45511), (328, 45529), (333, 45547), (334, 45550), (345, 45589), (346, 45592), (381, 45718), (409, 45790),

Gene: Delrey21_65 Start: 50949, Stop: 51596, Start Num: 186

Candidate Starts for Delrey21_65:

(108, 50787), (111, 50793), (114, 50811), (162, 50898), (Start: 186 @50949 has 24 MA's), (216, 51027), (237, 51069), (241, 51075), (247, 51090), (270, 51141), (293, 51192), (315, 51258), (354, 51393), (358, 51402), (386, 51480), (402, 51507), (422, 51585),

Gene: Derg_61 Start: 48781, Stop: 49416, Start Num: 184

Candidate Starts for Derg_61:

(Start: 184 @48781 has 47 MA's), (296, 49018), (311, 49057), (315, 49072), (327, 49102), (329, 49111), (332, 49120), (384, 49300), (391, 49318),

Gene: Derpp_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Derpp_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Devonte_8 Start: 5414, Stop: 4863, Start Num: 187

Candidate Starts for Devonte_8:

(Start: 147 @5489 has 4 MA's), (160, 5471), (Start: 187 @5414 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: Dextert_63 Start: 45910, Stop: 46542, Start Num: 186

Candidate Starts for Dextert_63:

(Start: 186 @45910 has 24 MA's), (247, 46051), (293, 46153), (311, 46204), (315, 46219), (336, 46279), (354, 46354), (377, 46414), (386, 46441), (402, 46468), (406, 46483), (421, 46531),

Gene: Dice_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Dice_6:

(Start: 187 @3917 has 371 MA's), (Start: 197 @3887 has 1 MA's), (203, 3872), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: DigitDog_8 Start: 6203, Stop: 5640, Start Num: 188

Candidate Starts for DigitDog_8:

(Start: 188 @6203 has 33 MA's), (Start: 210 @6146 has 1 MA's), (268, 6047), (295, 5969), (312, 5927), (319, 5903), (333, 5864), (351, 5801), (352, 5798), (354, 5789), (367, 5762), (393, 5690), (400, 5684), (408, 5663), (410, 5651),

Gene: DingDing_49 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for DingDing_49:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Dingo_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Dingo_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Dione_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Dione_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: DirtJuice_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for DirtJuice_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: DoctorFroggo_65 Start: 50949, Stop: 51596, Start Num: 186

Candidate Starts for DoctorFroggo_65:

(108, 50787), (111, 50793), (114, 50811), (162, 50898), (Start: 186 @50949 has 24 MA's), (216, 51027), (237, 51069), (241, 51075), (247, 51090), (270, 51141), (293, 51192), (315, 51258), (354, 51393), (358, 51402), (386, 51480), (402, 51507), (422, 51585),

Gene: Doddsville_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Doddsville_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: DoesntMatter_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for DoesntMatter_6:

(Start: 187 @3915 has 371 MA's), (Start: 197 @3885 has 1 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: DolOn_8 Start: 4153, Stop: 3599, Start Num: 187

Candidate Starts for DolOn_8:

(Start: 187 @4153 has 371 MA's), (Start: 197 @4123 has 1 MA's), (203, 4108), (208, 4099), (268, 4003), (295, 3928), (308, 3892), (312, 3886), (352, 3757), (354, 3748), (403, 3637),

Gene: DonSanchon_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for DonSanchon_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: DonaldDuck_53 Start: 41299, Stop: 40721, Start Num: 193

Candidate Starts for DonaldDuck_53:

(80, 41542), (141, 41380), (Start: 193 @41299 has 44 MA's), (252, 41188), (288, 41083), (326, 40978), (339, 40933), (341, 40927), (351, 40888), (356, 40873), (377, 40819), (409, 40744),

Gene: Donny_8 Start: 6217, Stop: 5651, Start Num: 188

Candidate Starts for Donny_8:

(Start: 188 @6217 has 33 MA's), (Start: 210 @6160 has 1 MA's), (268, 6058), (295, 5980), (312, 5938), (319, 5914), (329, 5887), (333, 5875), (354, 5800), (367, 5773), (393, 5701), (400, 5695),

Gene: Dropshot_37 Start: 22403, Stop: 22966, Start Num: 200

Candidate Starts for Dropshot_37:

(Start: 200 @22403 has 11 MA's), (Start: 207 @22415 has 1 MA's), (Start: 214 @22433 has 108 MA's), (253, 22496), (265, 22538), (281, 22577), (285, 22589), (298, 22628), (303, 22643), (307, 22655), (319, 22688), (321, 22694), (349, 22784), (351, 22790), (354, 22802), (377, 22856),

Gene: DuchessDung_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for DuchessDung_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Duggie_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Duggie_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Durga_6 Start: 3914, Stop: 3360, Start Num: 187

Candidate Starts for Durga_6:

(Start: 187 @3914 has 371 MA's), (203, 3869), (208, 3860), (268, 3764), (295, 3689), (308, 3653), (312, 3647), (352, 3518), (354, 3509), (403, 3398),

Gene: E3_gp158 Start: 109470, Stop: 110030, Start Num: 214

Candidate Starts for E3_gp158:

(171, 109350), (189, 109401), (202, 109449), (Start: 214 @109470 has 108 MA's), (215, 109476), (247, 109545), (251, 109551), (281, 109629), (293, 109668), (294, 109671), (295, 109674), (334, 109782), (351, 109842), (385, 109935),

Gene: ECartman_49 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for ECartman_49:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: EMoore_63 Start: 50022, Stop: 50669, Start Num: 186

Candidate Starts for EMoore_63:

(Start: 186 @50022 has 24 MA's), (241, 50148), (247, 50163), (263, 50220), (270, 50232), (276, 50250), (293, 50292), (311, 50343), (316, 50361), (333, 50409), (334, 50412), (353, 50478), (354, 50484), (381, 50556), (402, 50598), (408, 50619),

Gene: Eaglehorse_9 Start: 6492, Stop: 7067, Start Num: 187

Candidate Starts for Eaglehorse_9:

(117, 6357), (Start: 129 @6375 has 3 MA's), (139, 6396), (Start: 140 @6399 has 1 MA's), (Start: 187 @6492 has 371 MA's), (Start: 209 @6549 has 1 MA's), (217, 6561), (228, 6579), (273, 6672), (276, 6681), (295, 6735), (308, 6771), (310, 6774), (312, 6777), (325, 6813), (336, 6849), (339, 6858), (351, 6903), (352, 6906), (354, 6915), (378, 6975), (380, 6981), (381, 6984), (400, 7020), (409, 7044), (410, 7053),

Gene: EastView9101_8 Start: 6217, Stop: 5651, Start Num: 188

Candidate Starts for EastView9101_8:

(Start: 188 @6217 has 33 MA's), (Start: 210 @6160 has 1 MA's), (268, 6058), (295, 5980), (312, 5938), (319, 5914), (329, 5887), (333, 5875), (354, 5800), (367, 5773), (393, 5701), (400, 5695),

Gene: EdmundFerry_59 Start: 44985, Stop: 45611, Start Num: 186

Candidate Starts for EdmundFerry_59:

(Start: 186 @44985 has 24 MA's), (247, 45126), (293, 45228), (328, 45327), (354, 45429), (377, 45489), (402, 45543), (406, 45558),

Gene: Egi03_63 Start: 46955, Stop: 47554, Start Num: 185

Candidate Starts for Egi03_63:

(Start: 185 @46955 has 32 MA's), (304, 47189), (339, 47285), (351, 47330), (373, 47387), (384, 47420), (387, 47429), (397, 47459), (402, 47471), (411, 47507), (420, 47537),

Gene: ElvisPhasley_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for ElvisPhasley_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514),

Gene: Emiris_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Emiris_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: EmpTee_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for EmpTee_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Epah_6 Start: 5143, Stop: 4583, Start Num: 188

Candidate Starts for Epah_6:

(Start: 183 @5152 has 13 MA's), (Start: 188 @5143 has 33 MA's), (268, 4987), (273, 4975), (293, 4918), (308, 4876), (312, 4870), (315, 4858), (329, 4819), (351, 4744), (365, 4711), (376, 4678), (377, 4675), (381, 4663), (382, 4660), (408, 4606),

Gene: Eremos_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Eremos_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Eugenia_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Eugenia_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Evaa_7 Start: 6193, Stop: 5651, Start Num: 187

Candidate Starts for Evaa_7:

(58, 6520), (Start: 187 @6193 has 371 MA's), (262, 6064), (280, 6022), (287, 6001), (293, 5989), (295, 5983), (311, 5944), (329, 5890), (333, 5878), (340, 5857), (351, 5815), (381, 5734),

Gene: Evamon_62 Start: 46633, Stop: 47232, Start Num: 185

Candidate Starts for Evamon_62:

(Start: 185 @46633 has 32 MA's), (334, 46948), (339, 46963), (351, 47008), (373, 47065), (378, 47080), (384, 47098), (387, 47107), (390, 47116), (397, 47137), (402, 47149), (420, 47215),

Gene: EverythinBagel_52 Start: 41660, Stop: 41082, Start Num: 193

Candidate Starts for EverythinBagel_52:

(77, 41912), (80, 41903), (141, 41741), (Start: 193 @41660 has 44 MA's), (252, 41549), (288, 41444), (326, 41339), (339, 41294), (341, 41288), (351, 41249), (356, 41234), (377, 41180), (409, 41105),

Gene: Eyre_59 Start: 38628, Stop: 39218, Start Num: 210

Candidate Starts for Eyre_59:

(142, 38547), (165, 38586), (Start: 210 @38628 has 1 MA's), (216, 38640), (258, 38730), (284, 38805), (287, 38814), (293, 38835), (297, 38850), (301, 38862), (364, 39042), (381, 39117), (414, 39207),

Gene: Fairfaxidum_77 Start: 47701, Stop: 48291, Start Num: 214

Candidate Starts for Fairfaxidum_77:

(Start: 214 @47701 has 108 MA's), (297, 47923), (301, 47935), (303, 47941), (320, 47986), (346, 48067), (381, 48193), (398, 48232),

Gene: Fang_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Fang_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Faze9_9 Start: 6591, Stop: 7166, Start Num: 187

Candidate Starts for Faze9_9:

(117, 6456), (Start: 129 @6474 has 3 MA's), (131, 6477), (137, 6489), (139, 6495), (Start: 187 @6591 has 371 MA's), (218, 6663), (234, 6690), (273, 6771), (276, 6780), (308, 6870), (310, 6873), (312, 6876), (325, 6912), (336, 6948), (339, 6957), (351, 7002), (352, 7005), (354, 7014), (378, 7074), (380, 7080), (381, 7083), (400, 7119), (409, 7143), (410, 7152),

Gene: FelixTres_8 Start: 6372, Stop: 5821, Start Num: 187

Candidate Starts for FelixTres_8:

(149, 6432), (159, 6417), (162, 6411), (Start: 187 @6372 has 371 MA's), (203, 6327), (206, 6321), (268, 6234), (275, 6216), (283, 6192), (293, 6165), (294, 6162), (295, 6159), (331, 6060), (354, 5979), (381, 5907), (388, 5886), (410, 5832),

Gene: Fenry_74 Start: 47299, Stop: 47889, Start Num: 214

Candidate Starts for Fenry_74:

(Start: 214 @47299 has 108 MA's), (297, 47521), (301, 47533), (303, 47539), (320, 47584), (328, 47602), (333, 47620), (334, 47623), (345, 47662), (346, 47665), (381, 47791),

Gene: Finch_5 Start: 2997, Stop: 3599, Start Num: 197

Candidate Starts for Finch_5:

(156, 2898), (Start: 197 @2997 has 1 MA's), (229, 3066), (278, 3171), (291, 3213), (295, 3222), (318, 3285), (327, 3309), (330, 3321), (335, 3336), (351, 3390), (352, 3393), (367, 3429), (376, 3456), (379, 3465), (409, 3531),

Gene: Fireball_66 Start: 47491, Stop: 48090, Start Num: 185

Candidate Starts for Fireball_66:

(88, 47263), (Start: 185 @47491 has 32 MA's), (334, 47806), (339, 47821), (351, 47866), (373, 47923), (384, 47956), (387, 47965), (397, 47995), (402, 48007), (411, 48043), (420, 48073),

Gene: Fitzgerald_67 Start: 51775, Stop: 52413, Start Num: 184

Candidate Starts for Fitzgerald_67:

(83, 51544), (93, 51568), (Start: 130 @51673 has 1 MA's), (Start: 153 @51721 has 1 MA's), (Start: 168 @51742 has 3 MA's), (Start: 184 @51775 has 47 MA's), (257, 51925), (296, 52015), (311, 52054), (315, 52069), (332, 52117), (334, 52123), (365, 52216), (384, 52297), (408, 52354),

Gene: Fizzles_56 Start: 42284, Stop: 41706, Start Num: 193

Candidate Starts for Fizzles_56:

(Start: 193 @42284 has 44 MA's), (252, 42173), (276, 42104), (277, 42101), (288, 42068), (320, 41975), (339, 41918), (351, 41873), (356, 41858), (377, 41804), (409, 41729),

Gene: FlagStaff_49 Start: 37465, Stop: 38049, Start Num: 214

Candidate Starts for FlagStaff_49:

(Start: 214 @37465 has 108 MA's), (248, 37531), (287, 37639), (293, 37660), (294, 37663), (295, 37666), (301, 37687), (332, 37768), (343, 37801), (348, 37834), (351, 37843), (372, 37918), (381, 37945),

Gene: Flake_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Flake_6:

(Start: 187 @3917 has 371 MA's), (Start: 197 @3887 has 1 MA's), (203, 3872), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Flatwoods_67 Start: 49662, Stop: 50297, Start Num: 184

Candidate Starts for Flatwoods_67:

(Start: 184 @49662 has 47 MA's), (296, 49899), (311, 49938), (315, 49953), (327, 49983), (329, 49992), (332, 50001), (365, 50100), (377, 50160), (391, 50199),

Gene: FleetyMac_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for FleetyMac_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511),

Gene: Fortunato_7 Start: 6288, Stop: 5677, Start Num: 161

Candidate Starts for Fortunato_7:

(Start: 153 @6297 has 1 MA's), (Start: 161 @6288 has 5 MA's), (Start: 183 @6246 has 13 MA's), (Start: 188 @6237 has 33 MA's), (268, 6081), (273, 6069), (293, 6012), (308, 5970), (312, 5964), (315, 5952), (319, 5940), (329, 5913), (365, 5805), (376, 5772), (377, 5769), (381, 5757), (382, 5754), (393, 5727), (400, 5721), (408, 5700),

Gene: Fosterous_71 Start: 51988, Stop: 52626, Start Num: 184

Candidate Starts for Fosterous_71:

(Start: 184 @51988 has 47 MA's), (257, 52138), (294, 52219), (296, 52228), (311, 52267), (315, 52282), (332, 52330), (365, 52429), (384, 52510), (408, 52567),

Gene: Fozzie_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Fozzie_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: FrankDeliGuy_50 Start: 41277, Stop: 40702, Start Num: 188

Candidate Starts for FrankDeliGuy_50:

(Start: 188 @41277 has 33 MA's), (220, 41208), (285, 41070), (288, 41061), (293, 41043), (331, 40935), (336, 40920), (339, 40911), (351, 40866), (354, 40854), (383, 40779), (400, 40749), (409, 40725),

Gene: Frankicide_6 Start: 3920, Stop: 3366, Start Num: 187

Candidate Starts for Frankicide_6:

(Start: 187 @3920 has 371 MA's), (Start: 197 @3890 has 1 MA's), (203, 3875), (208, 3866), (268, 3770), (295, 3695), (308, 3659), (312, 3653), (352, 3524), (354, 3515), (403, 3404),

Gene: Fransoyer_57 Start: 43875, Stop: 43294, Start Num: 193

Candidate Starts for Fransoyer_57:

(56, 44238), (Start: 193 @43875 has 44 MA's), (231, 43794), (246, 43773), (276, 43698), (288, 43662), (297, 43629), (332, 43533), (334, 43527), (339, 43512), (352, 43461), (409, 43320), (411, 43308),

Gene: Frederick_7 Start: 6294, Stop: 5680, Start Num: 161

Candidate Starts for Frederick_7:

(Start: 153 @6303 has 1 MA's), (Start: 161 @6294 has 5 MA's), (Start: 183 @6252 has 13 MA's), (Start: 188 @6243 has 33 MA's), (268, 6087), (273, 6075), (293, 6015), (308, 5973), (312, 5967), (315,

5955), (329, 5916), (333, 5904), (351, 5841), (365, 5808), (376, 5775), (377, 5772), (381, 5760), (382, 5757), (400, 5724), (408, 5703),

Gene: FrenchFry_9 Start: 6591, Stop: 7166, Start Num: 187

Candidate Starts for FrenchFry_9:

(117, 6456), (Start: 129 @6474 has 3 MA's), (139, 6495), (Start: 140 @6498 has 1 MA's), (Start: 187 @6591 has 371 MA's), (Start: 209 @6648 has 1 MA's), (217, 6660), (228, 6678), (273, 6771), (276, 6780), (295, 6834), (308, 6870), (310, 6873), (312, 6876), (325, 6912), (336, 6948), (339, 6957), (351, 7002), (352, 7005), (354, 7014), (378, 7074), (380, 7080), (381, 7083), (400, 7119), (409, 7143), (410, 7152),

Gene: Fresco_6 Start: 4904, Stop: 4362, Start Num: 187

Candidate Starts for Fresco_6:

(33, 5378), (58, 5207), (Start: 187 @4904 has 371 MA's), (208, 4850), (247, 4811), (293, 4697), (341, 4565), (351, 4526), (354, 4514), (356, 4511), (367, 4487), (376, 4460), (401, 4406), (409, 4382),

Gene: Freya_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Freya_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514),

Gene: FriarPreacher_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for FriarPreacher_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Fringe_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Fringe_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Frokostdame_79 Start: 49511, Stop: 50095, Start Num: 214

Candidate Starts for Frokostdame_79:

(51, 49172), (Start: 214 @49511 has 108 MA's), (250, 49592), (253, 49595), (277, 49664), (293, 49715), (294, 49718), (295, 49721), (311, 49760), (317, 49781), (345, 49868), (352, 49892), (357, 49907), (364, 49919), (368, 49928), (381, 49988), (414, 50078),

Gene: Frosty24_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Frosty24_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: FuegoCuervo_70 Start: 51013, Stop: 51651, Start Num: 184

Candidate Starts for FuegoCuervo_70:

(Start: 153 @50959 has 1 MA's), (Start: 168 @50980 has 3 MA's), (Start: 184 @51013 has 47 MA's), (257, 51163), (296, 51253), (311, 51292), (315, 51307), (332, 51355), (334, 51361), (365, 51454), (384, 51535), (408, 51592),

Gene: FugateOSU_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for FugateOSU_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Fugax_66 Start: 47087, Stop: 47686, Start Num: 185

Candidate Starts for Fugax_66:

(Start: 185 @47087 has 32 MA's), (334, 47402), (339, 47417), (351, 47462), (373, 47519), (384, 47552), (387, 47561), (397, 47591), (402, 47603), (420, 47669),

Gene: Funsized_11 Start: 8078, Stop: 7494, Start Num: 188

Candidate Starts for Funsized_11:

(175, 8102), (Start: 188 @8078 has 33 MA's), (190, 8072), (233, 7973), (244, 7955), (268, 7904), (293, 7829), (297, 7814), (312, 7781), (315, 7769), (329, 7730), (331, 7724), (333, 7718), (334, 7715), (351, 7655), (381, 7574), (382, 7571), (388, 7553), (400, 7538), (408, 7517), (409, 7514),

Gene: GTE6_62 Start: 46212, Stop: 46838, Start Num: 186

Candidate Starts for GTE6_62:

(Start: 186 @46212 has 24 MA's), (208, 46269), (247, 46353), (293, 46455), (328, 46554), (354, 46656), (377, 46716), (402, 46770), (406, 46785),

Gene: Gadjet_9 Start: 5418, Stop: 4867, Start Num: 187

Candidate Starts for Gadjet_9:

(Start: 147 @5493 has 4 MA's), (160, 5475), (Start: 187 @5418 has 371 MA's), (233, 5337), (254, 5310), (268, 5271), (280, 5238), (284, 5226), (340, 5073), (351, 5031), (365, 4998), (376, 4965), (399, 4914), (409, 4887),

Gene: Gaea_67 Start: 49891, Stop: 50526, Start Num: 186

Candidate Starts for Gaea_67:

(145, 49813), (Start: 186 @49891 has 24 MA's), (257, 50038), (296, 50128), (311, 50167), (315, 50182), (331, 50227), (334, 50236), (351, 50296), (365, 50329), (391, 50428),

Gene: Galadriel_68 Start: 51942, Stop: 52580, Start Num: 184

Candidate Starts for Galadriel_68:

(Start: 184 @51942 has 47 MA's), (257, 52092), (296, 52182), (311, 52221), (315, 52236), (332, 52284), (334, 52290), (365, 52383), (384, 52464), (408, 52521),

Gene: Gambino_82 Start: 50046, Stop: 50630, Start Num: 214

Candidate Starts for Gambino_82:

(1, 48945), (2, 48966), (11, 49161), (15, 49203), (16, 49221), (23, 49341), (36, 49608), (51, 49704), (Start: 214 @50046 has 108 MA's), (250, 50127), (253, 50130), (277, 50199), (293, 50250), (294, 50253), (295, 50256), (311, 50295), (317, 50316), (345, 50403), (357, 50442), (364, 50454), (368, 50463), (381, 50523), (390, 50550),

Gene: Gareth_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Gareth_6:

(Start: 187 @3915 has 371 MA's), (Start: 197 @3885 has 1 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Gazebo_53 Start: 41824, Stop: 41252, Start Num: 193

Candidate Starts for Gazebo_53:

(154, 41884), (Start: 193 @41824 has 44 MA's), (220, 41758), (285, 41620), (288, 41611), (293, 41593), (331, 41485), (336, 41470), (339, 41461), (351, 41416), (354, 41404), (383, 41329), (400, 41299), (409, 41275),

Gene: GeneCoco_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for GeneCoco_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Geodirt_67 Start: 52126, Stop: 52818, Start Num: 153

Candidate Starts for Geodirt_67:

(48, 51799), (53, 51835), (Start: 130 @52078 has 1 MA's), (Start: 153 @52126 has 1 MA's), (Start: 168 @52147 has 3 MA's), (Start: 184 @52180 has 47 MA's), (219, 52255), (257, 52330), (296, 52420), (311, 52459), (315, 52474), (332, 52522), (334, 52528), (358, 52609), (365, 52621), (384, 52702), (408, 52759),

Gene: Gervas_8 Start: 5408, Stop: 4863, Start Num: 187

Candidate Starts for Gervas_8:

(Start: 150 @5480 has 7 MA's), (Start: 187 @5408 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: Gezellig_61 Start: 47082, Stop: 47684, Start Num: 185

Candidate Starts for Gezellig_61:

(Start: 185 @47082 has 32 MA's), (305, 47322), (334, 47400), (339, 47415), (351, 47460), (358, 47481), (384, 47550), (385, 47553), (387, 47559), (397, 47589), (402, 47601), (420, 47667),

Gene: Gideon_52 Start: 37361, Stop: 37951, Start Num: 214

Candidate Starts for Gideon_52:

(9, 36689), (10, 36692), (44, 36983), (63, 37112), (95, 37184), (148, 37307), (198, 37328), (199, 37334), (Start: 214 @37361 has 108 MA's), (235, 37409), (276, 37505), (286, 37532), (292, 37553), (294, 37559), (301, 37583), (333, 37670), (343, 37700), (348, 37733), (351, 37742), (367, 37781), (372, 37820), (381, 37847), (408, 37916),

Gene: GinPorsche_6 Start: 5152, Stop: 4583, Start Num: 183

Candidate Starts for GinPorsche_6:

(Start: 183 @5152 has 13 MA's), (Start: 188 @5143 has 33 MA's), (268, 4987), (273, 4975), (293, 4918), (308, 4876), (312, 4870), (315, 4858), (329, 4819), (351, 4744), (365, 4711), (376, 4678), (377, 4675), (381, 4663), (382, 4660), (408, 4606),

Gene: Giraffe_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Giraffe_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Glass_9 Start: 6591, Stop: 7166, Start Num: 187

Candidate Starts for Glass_9:

(117, 6456), (Start: 129 @6474 has 3 MA's), (139, 6495), (Start: 140 @6498 has 1 MA's), (Start: 187 @6591 has 371 MA's), (Start: 209 @6648 has 1 MA's), (217, 6660), (228, 6678), (273, 6771), (276, 6780), (295, 6834), (308, 6870), (310, 6873), (312, 6876), (325, 6912), (336, 6948), (339, 6957), (351, 7002), (352, 7005), (354, 7014), (378, 7074), (380, 7080), (381, 7083), (400, 7119), (409, 7143), (410, 7152),

Gene: GlenHope_9 Start: 5427, Stop: 4876, Start Num: 187

Candidate Starts for GlenHope_9:

(Start: 150 @5499 has 7 MA's), (Start: 187 @5427 has 371 MA's), (233, 5346), (254, 5319), (268, 5280), (280, 5247), (284, 5235), (340, 5082), (351, 5040), (365, 5007), (376, 4974), (399, 4923), (409,

4896),

Gene: Glubnar_8 Start: 5417, Stop: 4866, Start Num: 187

Candidate Starts for Glubnar_8:

(Start: 150 @5489 has 7 MA's), (Start: 187 @5417 has 371 MA's), (233, 5336), (254, 5309), (268, 5270), (280, 5237), (284, 5225), (340, 5072), (351, 5030), (365, 4997), (376, 4964), (399, 4913), (409, 4886),

Gene: GodSpeed_49 Start: 37283, Stop: 37867, Start Num: 214

Candidate Starts for GodSpeed_49:

(198, 37244), (Start: 214 @37283 has 108 MA's), (248, 37349), (287, 37457), (293, 37478), (294, 37481), (295, 37484), (301, 37505), (332, 37586), (343, 37619), (348, 37652), (352, 37664), (372, 37736), (381, 37763),

Gene: Godines_9 Start: 6474, Stop: 7049, Start Num: 187

Candidate Starts for Godines_9:

(117, 6339), (Start: 129 @6357 has 3 MA's), (139, 6378), (Start: 140 @6381 has 1 MA's), (Start: 187 @6474 has 371 MA's), (218, 6546), (234, 6573), (273, 6654), (276, 6663), (308, 6753), (310, 6756), (312, 6759), (325, 6795), (336, 6831), (339, 6840), (351, 6885), (352, 6888), (354, 6897), (378, 6957), (380, 6963), (381, 6966), (400, 7002), (409, 7026), (410, 7035),

Gene: GoldenAsh_50 Start: 36899, Stop: 37489, Start Num: 214

Candidate Starts for GoldenAsh_50:

(9, 36227), (10, 36230), (44, 36521), (63, 36650), (95, 36722), (148, 36845), (198, 36866), (199, 36872), (Start: 214 @36899 has 108 MA's), (235, 36947), (276, 37043), (286, 37070), (292, 37091), (294, 37097), (301, 37121), (333, 37208), (343, 37238), (348, 37271), (351, 37280), (367, 37319), (372, 37358), (381, 37385), (408, 37454),

Gene: Gomashi_50 Start: 36915, Stop: 37505, Start Num: 214

Candidate Starts for Gomashi_50:

(9, 36243), (10, 36246), (44, 36537), (63, 36666), (95, 36738), (148, 36861), (198, 36882), (199, 36888), (Start: 214 @36915 has 108 MA's), (235, 36963), (276, 37059), (286, 37086), (292, 37107), (294, 37113), (301, 37137), (333, 37224), (343, 37254), (348, 37287), (351, 37296), (367, 37335), (372, 37374), (381, 37401), (408, 37470),

Gene: Gophee_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Gophee_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Grand2040_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Grand2040_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Grassboy_56 Start: 41958, Stop: 41386, Start Num: 193

Candidate Starts for Grassboy_56:

(144, 42045), (Start: 193 @41958 has 44 MA's), (220, 41892), (285, 41754), (288, 41745), (293, 41727), (331, 41619), (336, 41604), (339, 41595), (351, 41550), (354, 41538), (383, 41463), (400, 41433), (409, 41409),

Gene: GreenChile_7 Start: 3920, Stop: 3366, Start Num: 187

Candidate Starts for GreenChile_7:

(Start: 187 @3920 has 371 MA's), (Start: 197 @3890 has 1 MA's), (203, 3875), (208, 3866), (268, 3770), (295, 3695), (308, 3659), (312, 3653), (352, 3524), (354, 3515), (403, 3404),

Gene: Grizzly_51 Start: 36986, Stop: 37576, Start Num: 214

Candidate Starts for Grizzly_51:

(44, 36608), (95, 36809), (148, 36932), (198, 36953), (199, 36959), (Start: 214 @36986 has 108 MA's), (276, 37130), (292, 37178), (294, 37184), (301, 37208), (333, 37295), (343, 37325), (348, 37358), (351, 37367), (367, 37406), (372, 37445), (381, 37472), (408, 37541),

Gene: Guacamole_73 Start: 46646, Stop: 47236, Start Num: 214

Candidate Starts for Guacamole_73:

(65, 46373), (73, 46394), (Start: 214 @46646 has 108 MA's), (293, 46853), (297, 46868), (301, 46880), (303, 46886), (320, 46931), (328, 46949), (333, 46967), (334, 46970), (345, 47009), (346, 47012), (381, 47138), (409, 47210),

Gene: Gustavo_68 Start: 50864, Stop: 51499, Start Num: 184

Candidate Starts for Gustavo_68:

(Start: 184 @50864 has 47 MA's), (296, 51101), (311, 51140), (315, 51155), (327, 51185), (329, 51194), (332, 51203), (365, 51302), (377, 51362), (391, 51401),

Gene: Guzman_37 Start: 22667, Stop: 23230, Start Num: 200

Candidate Starts for Guzman_37:

(79, 22346), (132, 22496), (Start: 200 @22667 has 11 MA's), (Start: 207 @22679 has 1 MA's), (Start: 214 @22697 has 108 MA's), (265, 22802), (280, 22838), (281, 22841), (298, 22892), (303, 22907), (307, 22919), (321, 22958), (349, 23048), (351, 23054), (354, 23066), (377, 23120), (386, 23147),

Gene: Gwennie1_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Gwennie1_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Gwilliam_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Gwilliam_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Gyarad_006 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Gyarad_006:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: HSavage_6 Start: 3920, Stop: 3366, Start Num: 187

Candidate Starts for HSavage_6:

(Start: 187 @3920 has 371 MA's), (Start: 197 @3890 has 1 MA's), (203, 3875), (268, 3770), (295, 3695), (308, 3659), (312, 3653), (352, 3524), (354, 3515), (403, 3404),

Gene: Haimas_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Haimas_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Haleema_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Haleema_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Halfpint_7 Start: 5262, Stop: 4711, Start Num: 187

Candidate Starts for Halfpint_7:

(Start: 150 @5334 has 7 MA's), (Start: 187 @5262 has 371 MA's), (233, 5181), (254, 5154), (268, 5115), (280, 5082), (284, 5070), (340, 4917), (351, 4875), (365, 4842), (376, 4809), (399, 4758), (409, 4731),

Gene: Hally898_6 Start: 5143, Stop: 4583, Start Num: 188

Candidate Starts for Hally898_6:

(Start: 183 @5152 has 13 MA's), (Start: 188 @5143 has 33 MA's), (268, 4987), (273, 4975), (293, 4918), (308, 4876), (312, 4870), (315, 4858), (329, 4819), (351, 4744), (365, 4711), (376, 4678), (377, 4675), (381, 4663), (382, 4660), (408, 4606),

Gene: Halo_51 Start: 36909, Stop: 37499, Start Num: 214

Candidate Starts for Halo_51:

(9, 36237), (10, 36240), (44, 36531), (63, 36660), (95, 36732), (148, 36855), (198, 36876), (199, 36882), (Start: 214 @36909 has 108 MA's), (235, 36957), (276, 37053), (286, 37080), (292, 37101), (294, 37107), (301, 37131), (333, 37218), (343, 37248), (348, 37281), (351, 37290), (367, 37329), (372, 37368), (381, 37395), (408, 37464),

Gene: Halo3_62 Start: 47667, Stop: 48269, Start Num: 185

Candidate Starts for Halo3_62:

(Start: 185 @47667 has 32 MA's), (305, 47907), (334, 47985), (339, 48000), (351, 48045), (358, 48066), (384, 48135), (385, 48138), (387, 48144), (397, 48174), (402, 48186), (411, 48222), (420, 48252),

Gene: Hamish_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Hamish_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Hangman_7 Start: 6243, Stop: 5680, Start Num: 188

Candidate Starts for Hangman_7:

(Start: 153 @6303 has 1 MA's), (Start: 161 @6294 has 5 MA's), (Start: 183 @6252 has 13 MA's), (Start: 188 @6243 has 33 MA's), (268, 6087), (273, 6075), (293, 6015), (308, 5973), (312, 5967), (315, 5955), (329, 5916), (333, 5904), (351, 5841), (365, 5808), (376, 5775), (377, 5772), (381, 5760), (382, 5757), (400, 5724), (408, 5703),

Gene: Hans_66 Start: 49390, Stop: 50037, Start Num: 183

Candidate Starts for Hans_66:

(Start: 183 @49390 has 13 MA's), (241, 49516), (247, 49531), (263, 49588), (270, 49600), (274, 49612), (276, 49618), (293, 49660), (299, 49681), (311, 49711), (333, 49777), (334, 49780), (353, 49846), (354, 49852), (381, 49924), (402, 49966), (408, 49987),

Gene: Happabalu_6 Start: 3914, Stop: 3360, Start Num: 187

Candidate Starts for Happabalu_6:

(Start: 187 @3914 has 371 MA's), (203, 3869), (208, 3860), (268, 3764), (295, 3689), (308, 3653), (312, 3647), (352, 3518), (354, 3509), (403, 3398),

Gene: Hartsy_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Hartsy_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Harvey_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Harvey_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: HarveySr_8 Start: 5414, Stop: 4863, Start Num: 187

Candidate Starts for HarveySr_8:

(Start: 150 @5486 has 7 MA's), (Start: 187 @5414 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: Hashim76_11 Start: 5067, Stop: 4489, Start Num: 187

Candidate Starts for Hashim76_11:

(Start: 176 @5088 has 1 MA's), (181, 5076), (Start: 187 @5067 has 371 MA's), (241, 4962), (250, 4947), (268, 4905), (295, 4827), (312, 4785), (351, 4650), (352, 4647), (400, 4533), (405, 4524), (409, 4509),

Gene: Heath_7 Start: 6243, Stop: 5680, Start Num: 188

Candidate Starts for Heath_7:

(Start: 153 @6303 has 1 MA's), (Start: 161 @6294 has 5 MA's), (Start: 183 @6252 has 13 MA's), (Start: 188 @6243 has 33 MA's), (268, 6087), (273, 6075), (293, 6015), (308, 5973), (312, 5967), (315, 5955), (329, 5916), (333, 5904), (351, 5841), (365, 5808), (376, 5775), (377, 5772), (381, 5760), (382, 5757), (400, 5724), (408, 5703),

Gene: Heathcliff_8 Start: 5408, Stop: 4863, Start Num: 187

Candidate Starts for Heathcliff_8:

(Start: 150 @5480 has 7 MA's), (Start: 187 @5408 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: Hedgerow_9 Start: 6573, Stop: 7148, Start Num: 187

Candidate Starts for Hedgerow_9:

(117, 6438), (Start: 129 @6456 has 3 MA's), (139, 6477), (Start: 140 @6480 has 1 MA's), (Start: 187 @6573 has 371 MA's), (Start: 209 @6630 has 1 MA's), (217, 6642), (228, 6660), (273, 6753), (276, 6762), (308, 6852), (310, 6855), (312, 6858), (325, 6894), (336, 6930), (339, 6939), (351, 6984), (352, 6987), (354, 6996), (378, 7056), (380, 7062), (381, 7065), (400, 7101), (409, 7125), (410, 7134),

Gene: Hekos_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Hekos_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Held_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Held_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: HenryJackson_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for HenryJackson_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Hertubise_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Hertubise_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: Hetaeria_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Hetaeria_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: HighStump_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for HighStump_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Hitter_73 Start: 44905, Stop: 45495, Start Num: 214

Candidate Starts for Hitter_73:

(Start: 214 @44905 has 108 MA's), (297, 45127), (301, 45139), (303, 45145), (320, 45190), (328, 45208), (333, 45226), (334, 45229), (345, 45268), (346, 45271), (381, 45397),

Gene: Hocus_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Hocus_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: HogWash_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for HogWash_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Holeinone_9 Start: 6474, Stop: 7049, Start Num: 187

Candidate Starts for Holeinone_9:

(117, 6339), (Start: 129 @6357 has 3 MA's), (139, 6378), (Start: 140 @6381 has 1 MA's), (Start: 187 @6474 has 371 MA's), (Start: 209 @6531 has 1 MA's), (217, 6543), (228, 6561), (273, 6654), (276, 6663), (308, 6753), (310, 6756), (312, 6759), (325, 6795), (336, 6831), (339, 6840), (351, 6885), (352, 6888), (354, 6897), (378, 6957), (380, 6963), (381, 6966), (400, 7002), (409, 7026), (410, 7035),

Gene: Hope_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Hope_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Horchata_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Horchata_6:

(Start: 187 @3917 has 371 MA's), (Start: 197 @3887 has 1 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Hosp_03 Start: 2921, Stop: 2343, Start Num: 188

Candidate Starts for Hosp_03:

(Start: 188 @2921 has 33 MA's), (244, 2798), (250, 2789), (268, 2747), (283, 2705), (295, 2672), (312, 2630), (319, 2606), (329, 2579), (333, 2567), (334, 2564), (354, 2492), (367, 2465), (376, 2438), (381, 2423), (382, 2420), (400, 2387), (409, 2363),

Gene: Hotshotbaby7_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Hotshotbaby7_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Hydro_7 Start: 6240, Stop: 5677, Start Num: 188

Candidate Starts for Hydro_7:

(Start: 153 @6300 has 1 MA's), (Start: 161 @6291 has 5 MA's), (Start: 183 @6249 has 13 MA's), (Start: 188 @6240 has 33 MA's), (268, 6084), (273, 6072), (293, 6012), (308, 5970), (312, 5964), (315, 5952), (329, 5913), (333, 5901), (351, 5838), (365, 5805), (376, 5772), (377, 5769), (381, 5757), (382, 5754), (400, 5721), (408, 5700),

Gene: Hyperion_53 Start: 41601, Stop: 41029, Start Num: 193

Candidate Starts for Hyperion_53:

(32, 42087), (57, 41916), (62, 41895), (65, 41886), (96, 41799), (109, 41751), (154, 41661), (Start: 193 @41601 has 44 MA's), (220, 41535), (285, 41397), (288, 41388), (293, 41370), (331, 41262), (336, 41247), (339, 41238), (354, 41181), (383, 41106), (400, 41076), (409, 41052),

Gene: Imvubu_3 Start: 3042, Stop: 2464, Start Num: 188

Candidate Starts for Imvubu_3:

(Start: 188 @3042 has 33 MA's), (233, 2937), (244, 2919), (268, 2868), (280, 2835), (295, 2793), (312, 2751), (329, 2700), (351, 2625), (381, 2544), (388, 2523), (400, 2508), (409, 2484),

Gene: Inchworm_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Inchworm_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Indlovu_7 Start: 5906, Stop: 5328, Start Num: 177

Candidate Starts for Indlovu_7:

(38, 6362), (47, 6290), (76, 6149), (78, 6143), (90, 6107), (170, 5927), (Start: 177 @5906 has 1 MA's), (Start: 188 @5885 has 33 MA's), (268, 5735), (269, 5732), (273, 5723), (277, 5711), (312, 5624), (319, 5600), (331, 5567), (333, 5561), (393, 5378),

Gene: Inspectinfecti_65 Start: 49553, Stop: 50200, Start Num: 183

Candidate Starts for Inspectinfecti_65:

(Start: 183 @49553 has 13 MA's), (216, 49631), (241, 49679), (247, 49694), (263, 49751), (270, 49763), (276, 49781), (293, 49823), (311, 49874), (333, 49940), (334, 49943), (353, 50009), (354, 50015), (381, 50087), (402, 50129), (408, 50150),

Gene: Inverness_6 Start: 3920, Stop: 3366, Start Num: 187

Candidate Starts for Inverness_6:

(Start: 187 @3920 has 371 MA's), (203, 3875), (268, 3770), (295, 3695), (308, 3659), (312, 3653), (352, 3524), (354, 3515), (403, 3404),

Gene: Iridessa_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Iridessa_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Iridoclysis_6 Start: 3922, Stop: 3368, Start Num: 187

Candidate Starts for Iridoclysis_6:

(Start: 187 @3922 has 371 MA's), (Start: 197 @3892 has 1 MA's), (203, 3877), (268, 3772), (295, 3697), (308, 3661), (312, 3655), (352, 3526), (354, 3517), (403, 3406),

Gene: IsaacEli_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for IsaacEli_6:

(Start: 187 @3915 has 371 MA's), (Start: 197 @3885 has 1 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: ItsyBitsy1_9 Start: 6465, Stop: 7040, Start Num: 187

Candidate Starts for ItsyBitsy1_9:

(117, 6330), (Start: 129 @6348 has 3 MA's), (131, 6351), (139, 6369), (Start: 140 @6372 has 1 MA's), (Start: 187 @6465 has 371 MA's), (Start: 209 @6522 has 1 MA's), (217, 6534), (234, 6564), (273, 6645), (276, 6654), (308, 6744), (310, 6747), (312, 6750), (325, 6786), (336, 6822), (339, 6831), (351, 6876), (352, 6879), (354, 6888), (378, 6948), (380, 6954), (381, 6957), (400, 6993), (409, 7017), (410, 7026),

Gene: JAMaL_6 Start: 5764, Stop: 5204, Start Num: 188

Candidate Starts for JAMaL_6:

(Start: 188 @5764 has 33 MA's), (268, 5608), (308, 5497), (312, 5491), (315, 5479), (319, 5467), (333, 5428), (334, 5425), (351, 5365), (376, 5299), (377, 5296), (381, 5284), (382, 5281), (393, 5254), (400, 5248),

Gene: JDog_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for JDog_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: JKSyngboy_65 Start: 50739, Stop: 51374, Start Num: 184

Candidate Starts for JKSyngboy_65:

(Start: 184 @50739 has 47 MA's), (191, 50751), (296, 50976), (311, 51015), (315, 51030), (327, 51060), (329, 51069), (332, 51078), (365, 51177), (384, 51258), (408, 51315),

Gene: Jabberwocky_67 Start: 52034, Stop: 52672, Start Num: 184

Candidate Starts for Jabberwocky_67:

(93, 51833), (104, 51878), (Start: 130 @51932 has 1 MA's), (Start: 153 @51980 has 1 MA's), (Start: 168 @52001 has 3 MA's), (Start: 184 @52034 has 47 MA's), (257, 52184), (296, 52274), (311, 52313), (315, 52328), (332, 52376), (334, 52382), (365, 52475), (384, 52556), (408, 52613),

Gene: Jackstina_7 Start: 5402, Stop: 4752, Start Num: 150

Candidate Starts for Jackstina_7:

(Start: 150 @5402 has 7 MA's), (Start: 187 @5330 has 371 MA's), (233, 5222), (254, 5195), (268, 5156), (280, 5123), (284, 5111), (340, 4958), (351, 4916), (365, 4883), (376, 4850), (399, 4799), (409, 4772),

Gene: JakeO_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for JakeO_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Jakelyne_40 Start: 22799, Stop: 23371, Start Num: 200

Candidate Starts for Jakelyne_40:

(132, 22637), (Start: 200 @22799 has 11 MA's), (213, 22823), (Start: 214 @22829 has 108 MA's), (265, 22943), (277, 22970), (284, 22991), (298, 23033), (303, 23048), (307, 23060), (323, 23102), (349, 23189), (351, 23195), (354, 23207), (377, 23261),

Gene: Jalammah_78 Start: 48811, Stop: 49401, Start Num: 214

Candidate Starts for Jalammah_78:

(Start: 214 @48811 has 108 MA's), (297, 49033), (301, 49045), (303, 49051), (320, 49096), (328, 49114), (333, 49132), (334, 49135), (345, 49174), (346, 49177), (381, 49303), (409, 49375),

Gene: Jambalaya_62 Start: 46938, Stop: 47537, Start Num: 185

Candidate Starts for Jambalaya_62:

(3, 45984), (5, 45990), (6, 45996), (7, 46002), (8, 46008), (13, 46032), (88, 46710), (Start: 185 @46938 has 32 MA's), (304, 47172), (339, 47268), (351, 47313), (373, 47370), (384, 47403), (387, 47412), (397, 47442), (402, 47454), (420, 47520),

Gene: Jane_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Jane_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: JangoPhett_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for JangoPhett_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: JasperJr_73 Start: 46646, Stop: 47236, Start Num: 214

Candidate Starts for JasperJr_73:

(65, 46373), (73, 46394), (Start: 214 @46646 has 108 MA's), (293, 46853), (297, 46868), (301, 46880), (303, 46886), (320, 46931), (328, 46949), (333, 46967), (334, 46970), (345, 47009), (346, 47012), (381, 47138), (409, 47210),

Gene: Jehoshaphat_55 Start: 42218, Stop: 41640, Start Num: 193

Candidate Starts for Jehoshaphat_55:

(80, 42461), (141, 42299), (Start: 193 @42218 has 44 MA's), (252, 42107), (288, 42002), (326, 41897), (339, 41852), (341, 41846), (351, 41807), (356, 41792), (377, 41738), (409, 41663),

Gene: Jeilious_50 Start: 36913, Stop: 37503, Start Num: 214

Candidate Starts for Jeilious_50:

(9, 36241), (10, 36244), (44, 36535), (63, 36664), (95, 36736), (148, 36859), (198, 36880), (199, 36886), (Start: 214 @36913 has 108 MA's), (235, 36961), (276, 37057), (286, 37084), (292, 37105), (294, 37111), (301, 37135), (333, 37222), (343, 37252), (348, 37285), (351, 37294), (367, 37333), (372, 37372), (381, 37399), (408, 37468),

Gene: JellyBelly_6 Start: 4909, Stop: 4358, Start Num: 187

Candidate Starts for JellyBelly_6:

(Start: 187 @4909 has 371 MA's), (230, 4828), (233, 4822), (247, 4804), (254, 4795), (293, 4693), (324, 4609), (339, 4564), (341, 4558), (351, 4519), (354, 4507), (356, 4504), (367, 4480), (376, 4453), (377, 4450), (409, 4378),

Gene: Jesabah_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Jesabah_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Jillium_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Jillium_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Jiminy_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Jiminy_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Jiraiya_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Jiraiya_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: JohnPork_66 Start: 47219, Stop: 47821, Start Num: 185

Candidate Starts for JohnPork_66:

(Start: 185 @47219 has 32 MA's), (305, 47459), (334, 47537), (339, 47552), (351, 47597), (358, 47618), (384, 47687), (385, 47690), (387, 47696), (397, 47726), (402, 47738), (411, 47774), (420, 47804),

Gene: Jolene_51 Start: 37076, Stop: 37666, Start Num: 214

Candidate Starts for Jolene_51:

(Start: 214 @37076 has 108 MA's), (235, 37124), (276, 37220), (292, 37268), (294, 37274), (301, 37298), (333, 37385), (343, 37415), (348, 37448), (351, 37457), (367, 37496), (372, 37535), (381, 37562), (408, 37631),

Gene: Jolie2_51 Start: 38020, Stop: 38622, Start Num: 214

Candidate Starts for Jolie2_51:

(93, 37849), (95, 37858), (107, 37903), (118, 37936), (Start: 214 @38020 has 108 MA's), (276, 38164), (294, 38218), (324, 38302), (333, 38329), (348, 38392), (351, 38401), (372, 38491), (381, 38518),

Gene: Jonghyun_49 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Jonghyun_49:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: JorRay_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for JorRay_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334),

(372, 37373), (381, 37400), (408, 37469),

Gene: JoyceMaria_7 Start: 6243, Stop: 5680, Start Num: 188

Candidate Starts for JoyceMaria_7:

(Start: 153 @6303 has 1 MA's), (Start: 161 @6294 has 5 MA's), (Start: 183 @6252 has 13 MA's), (Start: 188 @6243 has 33 MA's), (268, 6087), (273, 6075), (293, 6015), (308, 5973), (312, 5967), (315, 5955), (329, 5916), (333, 5904), (351, 5841), (365, 5808), (376, 5775), (377, 5772), (381, 5760), (382, 5757), (400, 5724), (408, 5703),

Gene: JrWilcox_109 Start: 59782, Stop: 60369, Start Num: 222

Candidate Starts for JrWilcox_109:

(182, 59659), (Start: 222 @59782 has 1 MA's), (276, 59902), (306, 59992), (324, 60037), (338, 60082), (348, 60127), (349, 60130), (352, 60139), (359, 60157), (361, 60160), (371, 60211), (377, 60235), (382, 60250),

Gene: JuJu_82 Start: 50269, Stop: 50862, Start Num: 211

Candidate Starts for JuJu_82:

(Start: 211 @50269 has 3 MA's), (297, 50494), (301, 50506), (303, 50512), (320, 50557), (328, 50575), (334, 50596), (346, 50638), (381, 50764), (409, 50836),

Gene: Judebell_56 Start: 41864, Stop: 41286, Start Num: 193

Candidate Starts for Judebell_56:

(Start: 193 @41864 has 44 MA's), (242, 41765), (252, 41753), (288, 41648), (339, 41498), (351, 41453), (356, 41438), (409, 41309),

Gene: KLUcky39_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for KLUcky39_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Kahve_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Kahve_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Kailash_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Kailash_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Kaleb_9 Start: 6498, Stop: 7166, Start Num: 140

Candidate Starts for Kaleb_9:

(117, 6456), (Start: 129 @6474 has 3 MA's), (139, 6495), (Start: 140 @6498 has 1 MA's), (Start: 187 @6591 has 371 MA's), (Start: 209 @6648 has 1 MA's), (217, 6660), (228, 6678), (273, 6771), (276, 6780), (295, 6834), (308, 6870), (310, 6873), (312, 6876), (325, 6912), (336, 6948), (339, 6957), (351, 7002), (352, 7005), (354, 7014), (378, 7074), (380, 7080), (381, 7083), (400, 7119), (409, 7143), (410, 7152),

Gene: Kamashten_67 Start: 51068, Stop: 51706, Start Num: 184

Candidate Starts for Kamashten_67:

(Start: 184 @51068 has 47 MA's), (257, 51218), (294, 51299), (296, 51308), (311, 51347), (315, 51362), (332, 51410), (365, 51509), (384, 51590), (408, 51647),

Gene: Kamiyu_8 Start: 5408, Stop: 4863, Start Num: 187

Candidate Starts for Kamiyu_8:

(Start: 150 @5480 has 7 MA's), (Start: 187 @5408 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: KappaFarmDelta_74 Start: 46258, Stop: 46848, Start Num: 214

Candidate Starts for KappaFarmDelta_74:

(Start: 214 @46258 has 108 MA's), (297, 46480), (301, 46492), (303, 46498), (320, 46543), (328, 46561), (333, 46579), (334, 46582), (345, 46621), (346, 46624), (381, 46750),

Gene: KarasumaRum_8 Start: 6203, Stop: 5637, Start Num: 188

Candidate Starts for KarasumaRum_8:

(25, 6839), (28, 6767), (31, 6701), (128, 6317), (154, 6263), (159, 6257), (Start: 176 @6227 has 1 MA's), (Start: 188 @6203 has 33 MA's), (268, 6044), (295, 5966), (312, 5924), (319, 5900), (329, 5873), (351, 5798), (352, 5795), (393, 5687), (400, 5681), (408, 5660), (410, 5648),

Gene: Kareem_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Kareem_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Kasen3_51 Start: 36900, Stop: 37490, Start Num: 214

Candidate Starts for Kasen3_51:

(9, 36228), (10, 36231), (44, 36522), (63, 36651), (95, 36723), (148, 36846), (198, 36867), (199, 36873), (Start: 214 @36900 has 108 MA's), (235, 36948), (276, 37044), (286, 37071), (292, 37092), (294, 37098), (301, 37122), (333, 37209), (343, 37239), (348, 37272), (351, 37281), (367, 37320), (372, 37359), (381, 37386), (408, 37455),

Gene: Keitabear_67 Start: 52547, Stop: 53185, Start Num: 184

Candidate Starts for Keitabear_67:

(83, 52316), (93, 52340), (Start: 130 @52445 has 1 MA's), (Start: 153 @52493 has 1 MA's), (Start: 168 @52514 has 3 MA's), (Start: 184 @52547 has 47 MA's), (257, 52697), (296, 52787), (311, 52826), (315, 52841), (332, 52889), (334, 52895), (365, 52988), (384, 53069), (408, 53126),

Gene: Keitherie_6 Start: 3914, Stop: 3360, Start Num: 187

Candidate Starts for Keitherie_6:

(Start: 187 @3914 has 371 MA's), (Start: 197 @3884 has 1 MA's), (203, 3869), (268, 3764), (295, 3689), (308, 3653), (312, 3647), (352, 3518), (354, 3509), (403, 3398),

Gene: Kelcole_59 Start: 42119, Stop: 41556, Start Num: 193

Candidate Starts for Kelcole_59:

(Start: 193 @42119 has 44 MA's), (266, 41975), (352, 41720), (354, 41711), (381, 41642), (409, 41579),

Gene: Kewpiedoll_67 Start: 51909, Stop: 52547, Start Num: 184

Candidate Starts for Kewpiedoll_67:

(83, 51678), (93, 51702), (Start: 130 @51807 has 1 MA's), (Start: 153 @51855 has 1 MA's), (Start: 168 @51876 has 3 MA's), (Start: 184 @51909 has 47 MA's), (219, 51984), (311, 52188), (315, 52203), (332, 52251), (365, 52350), (384, 52431), (408, 52488),

Gene: Kheth_9 Start: 6474, Stop: 7049, Start Num: 187

Candidate Starts for Kheth_9:

(117, 6339), (Start: 129 @6357 has 3 MA's), (139, 6378), (Start: 140 @6381 has 1 MA's), (Start: 187 @6474 has 371 MA's), (Start: 209 @6531 has 1 MA's), (217, 6543), (228, 6561), (273, 6654), (276, 6663), (308, 6753), (310, 6756), (312, 6759), (325, 6795), (336, 6831), (339, 6840), (351, 6885), (352, 6888), (354, 6897), (378, 6957), (380, 6963), (381, 6966), (400, 7002), (409, 7026), (410, 7035),

Gene: Kikipoo_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Kikipoo_6:

(Start: 187 @3915 has 371 MA's), (Start: 197 @3885 has 1 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: KillerQueen_62 Start: 42369, Stop: 41806, Start Num: 193

Candidate Starts for KillerQueen_62:

(Start: 193 @42369 has 44 MA's), (266, 42225), (315, 42087), (352, 41970), (354, 41961), (381, 41892), (409, 41829),

Gene: Kimbrough_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Kimbrough_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: KimmyK_64 Start: 47529, Stop: 48128, Start Num: 185

Candidate Starts for KimmyK_64:

(Start: 185 @47529 has 32 MA's), (334, 47844), (339, 47859), (351, 47904), (373, 47961), (384, 47994), (387, 48003), (397, 48033), (402, 48045), (420, 48111),

Gene: KingTut_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for KingTut_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: KingVeVeVe_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for KingVeVeVe_6:

(Start: 187 @3919 has 371 MA's), (Start: 197 @3889 has 1 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514),

Gene: KlimbOn_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for KlimbOn_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Kloppinator_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Kloppinator_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Knocker_12 Start: 8689, Stop: 8117, Start Num: 183

Candidate Starts for Knocker_12:

(24, 9412), (37, 9166), (42, 9124), (45, 9094), (55, 9013), (64, 8980), (75, 8956), (86, 8923), (87, 8920), (101, 8872), (110, 8842), (124, 8809), (Start: 129 @8800 has 3 MA's), (131, 8797), (136, 8788), (Start: 153 @8749 has 1 MA's), (Start: 161 @8740 has 5 MA's), (Start: 183 @8689 has 13 MA's), (Start: 188 @8680 has 33 MA's), (Start: 210 @8623 has 1 MA's), (244, 8572), (250, 8563), (268, 8521), (293,

8452), (312, 8404), (315, 8392), (323, 8371), (329, 8353), (331, 8347), (334, 8338), (351, 8278), (353, 8272), (381, 8197), (388, 8176), (400, 8161), (408, 8140),

Gene: Kolhan_9 Start: 6474, Stop: 7049, Start Num: 187

Candidate Starts for Kolhan_9:

(117, 6339), (Start: 129 @6357 has 3 MA's), (131, 6360), (137, 6372), (139, 6378), (Start: 187 @6474 has 371 MA's), (Start: 209 @6531 has 1 MA's), (217, 6543), (228, 6561), (273, 6654), (276, 6663), (308, 6753), (310, 6756), (312, 6759), (325, 6795), (336, 6831), (339, 6840), (351, 6885), (352, 6888), (354, 6897), (378, 6957), (380, 6963), (381, 6966), (400, 7002), (409, 7026), (410, 7035),

Gene: Kronus_7 Start: 6024, Stop: 5473, Start Num: 187

Candidate Starts for Kronus_7:

(Start: 147 @6099 has 4 MA's), (160, 6081), (Start: 187 @6024 has 371 MA's), (233, 5943), (254, 5916), (268, 5877), (280, 5844), (284, 5832), (340, 5679), (351, 5637), (365, 5604), (376, 5571), (399, 5520), (409, 5493),

Gene: Kroos_66 Start: 50537, Stop: 51172, Start Num: 184

Candidate Starts for Kroos_66:

(Start: 184 @50537 has 47 MA's), (257, 50684), (296, 50774), (311, 50813), (331, 50873), (334, 50882), (365, 50975), (391, 51074),

Gene: Kwadwo_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Kwadwo_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Kwekel_62 Start: 45669, Stop: 46295, Start Num: 186

Candidate Starts for Kwekel_62:

(Start: 186 @45669 has 24 MA's), (208, 45726), (247, 45810), (280, 45882), (293, 45912), (328, 46011), (354, 46113), (377, 46173), (402, 46227), (406, 46242),

Gene: Kwksand96_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Kwksand96_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Kwobi_70 Start: 51148, Stop: 51783, Start Num: 184

Candidate Starts for Kwobi_70:

(Start: 184 @51148 has 47 MA's), (296, 51385), (311, 51424), (315, 51439), (327, 51469), (329, 51478), (332, 51487), (365, 51586), (377, 51646), (391, 51685),

Gene: Kyva_56 Start: 42015, Stop: 41443, Start Num: 193

Candidate Starts for Kyva_56:

(144, 42102), (Start: 193 @42015 has 44 MA's), (220, 41949), (285, 41811), (288, 41802), (293, 41784), (331, 41676), (339, 41652), (351, 41607), (354, 41595), (383, 41520), (400, 41490), (409, 41466),

Gene: Labeouficaum_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Labeouficaum_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Lambano_6 Start: 5143, Stop: 4583, Start Num: 188

Candidate Starts for Lambano_6:

(Start: 183 @5152 has 13 MA's), (Start: 188 @5143 has 33 MA's), (268, 4987), (273, 4975), (293, 4918), (308, 4876), (312, 4870), (315, 4858), (329, 4819), (351, 4744), (365, 4711), (376, 4678), (377, 4675), (381, 4663), (382, 4660), (408, 4606),

Gene: Lars_9 Start: 6591, Stop: 7166, Start Num: 187

Candidate Starts for Lars_9:

(117, 6456), (Start: 129 @6474 has 3 MA's), (139, 6495), (Start: 140 @6498 has 1 MA's), (Start: 187 @6591 has 371 MA's), (Start: 209 @6648 has 1 MA's), (217, 6660), (228, 6678), (273, 6771), (276, 6780), (308, 6870), (310, 6873), (312, 6876), (325, 6912), (336, 6948), (339, 6957), (351, 7002), (352, 7005), (354, 7014), (378, 7074), (380, 7080), (381, 7083), (400, 7119), (409, 7143), (410, 7152),

Gene: Larson_7 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Larson_7:

(Start: 187 @3917 has 371 MA's), (Start: 197 @3887 has 1 MA's), (203, 3872), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: LasagnaCat_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for LasagnaCat_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Lasso_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Lasso_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Laurie_9 Start: 6475, Stop: 7050, Start Num: 187

Candidate Starts for Laurie_9:

(Start: 187 @6475 has 371 MA's), (218, 6547), (234, 6574), (273, 6655), (276, 6664), (308, 6754), (310, 6757), (312, 6760), (325, 6796), (336, 6832), (339, 6841), (351, 6886), (352, 6889), (354, 6898), (377, 6955), (378, 6958), (380, 6964), (381, 6967), (400, 7003), (409, 7027), (410, 7036),

Gene: LeeLot_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for LeeLot_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Lego3393_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Lego3393_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Legolas_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Legolas_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: LeiMonet_6 Start: 3914, Stop: 3360, Start Num: 187

Candidate Starts for LeiMonet_6:

(Start: 187 @3914 has 371 MA's), (203, 3869), (208, 3860), (268, 3764), (295, 3689), (308, 3653), (312, 3647), (352, 3518), (354, 3509), (403, 3398),

Gene: LemonSlice_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for LemonSlice_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Lemuria_53 Start: 39211, Stop: 39813, Start Num: 207

Candidate Starts for Lemuria_53:

(137, 39169), (Start: 207 @39211 has 1 MA's), (248, 39277), (276, 39355), (294, 39409), (301, 39433), (324, 39493), (333, 39520), (343, 39550), (348, 39583), (351, 39592), (381, 39709),

Gene: Lennon_68 Start: 52663, Stop: 53334, Start Num: 168

Candidate Starts for Lennon_68:

(83, 52465), (93, 52489), (Start: 130 @52594 has 1 MA's), (Start: 153 @52642 has 1 MA's), (Start: 168 @52663 has 3 MA's), (Start: 184 @52696 has 47 MA's), (257, 52846), (296, 52936), (311, 52975), (315, 52990), (332, 53038), (334, 53044), (365, 53137), (384, 53218), (408, 53275),

Gene: Leonard_64 Start: 49616, Stop: 50263, Start Num: 183

Candidate Starts for Leonard_64:

(Start: 183 @49616 has 13 MA's), (216, 49694), (241, 49742), (247, 49757), (263, 49814), (270, 49826), (276, 49844), (293, 49886), (311, 49937), (333, 50003), (334, 50006), (353, 50072), (354, 50078), (381, 50150), (402, 50192), (408, 50213),

Gene: Lephleur_9 Start: 6474, Stop: 7049, Start Num: 187

Candidate Starts for Lephleur_9:

(117, 6339), (Start: 129 @6357 has 3 MA's), (139, 6378), (Start: 140 @6381 has 1 MA's), (Start: 187 @6474 has 371 MA's), (Start: 209 @6531 has 1 MA's), (217, 6543), (228, 6561), (273, 6654), (276, 6663), (308, 6753), (310, 6756), (312, 6759), (325, 6795), (336, 6831), (339, 6840), (351, 6885), (352, 6888), (354, 6897), (378, 6957), (380, 6963), (381, 6966), (400, 7002), (409, 7026), (410, 7035),

Gene: LestyG_8 Start: 5417, Stop: 4866, Start Num: 187

Candidate Starts for LestyG_8:

(Start: 150 @5489 has 7 MA's), (Start: 187 @5417 has 371 MA's), (233, 5336), (254, 5309), (268, 5270), (280, 5237), (284, 5225), (340, 5072), (351, 5030), (365, 4997), (376, 4964), (399, 4913), (409, 4886),

Gene: Liefie_50 Start: 37020, Stop: 37610, Start Num: 214

Candidate Starts for Liefie_50:

(68, 36801), (70, 36804), (Start: 214 @37020 has 108 MA's), (235, 37068), (276, 37164), (286, 37191), (292, 37212), (294, 37218), (301, 37242), (333, 37329), (343, 37359), (348, 37392), (351, 37401), (367, 37440), (372, 37479), (381, 37506), (408, 37575),

Gene: Ligma_6 Start: 4904, Stop: 4362, Start Num: 187

Candidate Starts for Ligma_6:

(33, 5378), (58, 5207), (Start: 187 @4904 has 371 MA's), (208, 4850), (247, 4811), (293, 4697), (341, 4565), (351, 4526), (354, 4514), (356, 4511), (367, 4487), (376, 4460), (401, 4406), (409, 4382),

Gene: LilHam_61 Start: 47760, Stop: 48395, Start Num: 186

Candidate Starts for LilHam_61:

(103, 47580), (145, 47682), (Start: 186 @47760 has 24 MA's), (257, 47907), (296, 47997), (311, 48036), (315, 48051), (331, 48096), (334, 48105), (351, 48165), (365, 48198), (391, 48297),

Gene: LilSmirk_9 Start: 6474, Stop: 7049, Start Num: 187

Candidate Starts for LilSmirk_9:

(117, 6339), (Start: 129 @6357 has 3 MA's), (139, 6378), (Start: 140 @6381 has 1 MA's), (Start: 187 @6474 has 371 MA's), (Start: 209 @6531 has 1 MA's), (217, 6543), (228, 6561), (273, 6654), (276, 6663), (308, 6753), (310, 6756), (312, 6759), (325, 6795), (336, 6831), (339, 6840), (351, 6885), (352, 6888), (354, 6897), (378, 6957), (380, 6963), (381, 6966), (400, 7002), (409, 7026), (410, 7035),

Gene: LittleDigger_6 Start: 5153, Stop: 4584, Start Num: 183

Candidate Starts for LittleDigger_6:

(Start: 183 @5153 has 13 MA's), (Start: 188 @5144 has 33 MA's), (268, 4988), (293, 4919), (308, 4877), (312, 4871), (315, 4859), (351, 4745), (365, 4712), (376, 4679), (377, 4676), (381, 4664), (382, 4661), (400, 4628), (408, 4607),

Gene: LittleMinkey_12 Start: 5267, Stop: 4686, Start Num: 187

Candidate Starts for LittleMinkey_12:

(Start: 176 @5288 has 1 MA's), (181, 5276), (Start: 187 @5267 has 371 MA's), (190, 5258), (228, 5174), (241, 5159), (268, 5102), (295, 5024), (297, 5015), (312, 4982), (319, 4958), (351, 4847), (352, 4844), (400, 4730), (409, 4706),

Gene: LittleMunchkin_7 Start: 6182, Stop: 5655, Start Num: 187

Candidate Starts for LittleMunchkin_7:

(49, 6563), (58, 6491), (178, 6197), (Start: 187 @6182 has 371 MA's), (203, 6137), (206, 6131), (254, 6098), (271, 6056), (285, 6014), (293, 5993), (294, 5990), (319, 5921), (339, 5867), (341, 5861), (351, 5822), (356, 5807), (367, 5783), (376, 5756), (381, 5741),

Gene: LizLemon_9 Start: 6591, Stop: 7166, Start Num: 187

Candidate Starts for LizLemon_9:

(117, 6456), (Start: 129 @6474 has 3 MA's), (139, 6495), (Start: 140 @6498 has 1 MA's), (Start: 187 @6591 has 371 MA's), (Start: 209 @6648 has 1 MA's), (217, 6660), (228, 6678), (273, 6771), (276, 6780), (308, 6870), (310, 6873), (312, 6876), (325, 6912), (336, 6948), (339, 6957), (351, 7002), (352, 7005), (354, 7014), (378, 7074), (380, 7080), (381, 7083), (400, 7119), (409, 7143), (410, 7152),

Gene: Llemily_53 Start: 40994, Stop: 40416, Start Num: 193

Candidate Starts for Llemily_53:

(80, 41237), (141, 41075), (Start: 193 @40994 has 44 MA's), (252, 40883), (288, 40778), (326, 40673), (339, 40628), (341, 40622), (351, 40583), (356, 40568), (377, 40514), (409, 40439),

Gene: Lolalove_7 Start: 6249, Stop: 5677, Start Num: 183

Candidate Starts for Lolalove_7:

(Start: 153 @6300 has 1 MA's), (Start: 161 @6291 has 5 MA's), (Start: 183 @6249 has 13 MA's), (Start: 188 @6240 has 33 MA's), (268, 6084), (273, 6072), (293, 6012), (308, 5970), (312, 5964), (315, 5952), (329, 5913), (333, 5901), (351, 5838), (365, 5805), (376, 5772), (377, 5769), (381, 5757), (382, 5754), (400, 5721), (408, 5700),

Gene: Lonelysoil_52 Start: 41197, Stop: 40625, Start Num: 193

Candidate Starts for Lonelysoil_52:

(154, 41257), (Start: 193 @41197 has 44 MA's), (220, 41131), (285, 40993), (288, 40984), (293, 40966), (331, 40858), (336, 40843), (339, 40834), (351, 40789), (354, 40777), (383, 40702), (400, 40672), (409, 40648),

Gene: Longacauda_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Longacauda_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Lopsy_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Lopsy_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Losacky_38 Start: 22833, Stop: 23396, Start Num: 200

Candidate Starts for Losacky_38:

(132, 22662), (Start: 200 @22833 has 11 MA's), (Start: 207 @22845 has 1 MA's), (Start: 214 @22863 has 108 MA's), (265, 22968), (280, 23004), (281, 23007), (298, 23058), (303, 23073), (307, 23085), (321, 23124), (349, 23214), (351, 23220), (354, 23232), (377, 23286), (386, 23313),

Gene: LostAndPhound_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for LostAndPhound_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: LouisV14_53 Start: 39179, Stop: 39769, Start Num: 214

Candidate Starts for LouisV14_53:

(9, 38507), (10, 38510), (44, 38801), (63, 38930), (95, 39002), (148, 39125), (198, 39146), (199, 39152), (Start: 214 @39179 has 108 MA's), (235, 39227), (276, 39323), (286, 39350), (292, 39371), (294, 39377), (301, 39401), (333, 39488), (343, 39518), (348, 39551), (351, 39560), (367, 39599), (372, 39638), (381, 39665), (408, 39734),

Gene: Love_73 Start: 52438, Stop: 53076, Start Num: 184

Candidate Starts for Love_73:

(Start: 184 @52438 has 47 MA's), (257, 52588), (296, 52678), (311, 52717), (315, 52732), (332, 52780), (334, 52786), (351, 52846), (365, 52879), (384, 52960), (408, 53017),

Gene: LuckyMarjie_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for LuckyMarjie_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: Lulumae_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Lulumae_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Lulwa_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Lulwa_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Lumine_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Lumine_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: Lysidious_76 Start: 47074, Stop: 47670, Start Num: 211

Candidate Starts for Lysidious_76:

(122, 46966), (134, 46984), (154, 47026), (Start: 211 @47074 has 3 MA's), (297, 47299), (301, 47311), (303, 47317), (333, 47398), (334, 47401), (346, 47443), (381, 47569),

Gene: MOOREtheMARYer_53 Start: 38622, Stop: 39209, Start Num: 151

Candidate Starts for MOOREtheMARYer_53:

(26, 38118), (82, 38466), (95, 38505), (Start: 151 @38622 has 2 MA's), (235, 38670), (279, 38775), (293, 38817), (294, 38820), (348, 38994), (349, 38997), (351, 39003), (372, 39078), (381, 39105), (386, 39120),

Gene: MRabcd_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for MRabcd_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: MZKinsey_49 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for MZKinsey_49:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Mag7_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Mag7_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Magic8_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Magic8_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Magpie_7 Start: 6237, Stop: 5677, Start Num: 188

Candidate Starts for Magpie_7:

(115, 6369), (127, 6351), (Start: 153 @6297 has 1 MA's), (158, 6291), (Start: 176 @6261 has 1 MA's), (Start: 188 @6237 has 33 MA's), (268, 6081), (273, 6069), (293, 6012), (308, 5970), (312, 5964), (315, 5952), (319, 5940), (329, 5913), (365, 5805), (376, 5772), (377, 5769), (381, 5757), (382, 5754), (393, 5727), (400, 5721), (408, 5700),

Gene: Maih_59 Start: 48773, Stop: 49363, Start Num: 212

Candidate Starts for Maih_59:

(167, 48650), (Start: 212 @48773 has 15 MA's), (245, 48824), (255, 48848), (261, 48875), (273, 48899), (284, 48932), (293, 48959), (294, 48962), (303, 48992), (318, 49031), (324, 49046), (333, 49073), (334, 49076), (358, 49166), (360, 49181), (362, 49187), (371, 49235), (379, 49265), (393, 49301),

Gene: MakoManhole_8 Start: 6372, Stop: 5821, Start Num: 187

Candidate Starts for MakoManhole_8:

(149, 6432), (159, 6417), (162, 6411), (Start: 187 @6372 has 371 MA's), (203, 6327), (206, 6321), (268, 6234), (275, 6216), (283, 6192), (293, 6165), (294, 6162), (295, 6159), (331, 6060), (354, 5979), (381, 5907), (388, 5886), (410, 5832),

Gene: Malachai_73 Start: 48471, Stop: 49061, Start Num: 214

Candidate Starts for Malachai_73:

(65, 48171), (73, 48192), (Start: 214 @48471 has 108 MA's), (297, 48693), (301, 48705), (303, 48711), (320, 48756), (328, 48774), (333, 48792), (334, 48795), (345, 48834), (346, 48837), (381, 48963),

Gene: Maliketh_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Maliketh_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Mana_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Mana_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Manad_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Manad_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Marcie_66 Start: 43018, Stop: 42455, Start Num: 193

Candidate Starts for Marcie_66:

(Start: 193 @43018 has 44 MA's), (266, 42874), (352, 42619), (354, 42610), (381, 42541), (409, 42478),

Gene: Mariel_40 Start: 23134, Stop: 23700, Start Num: 200

Candidate Starts for Mariel_40:

(102, 22897), (132, 22972), (Start: 200 @23134 has 11 MA's), (Start: 214 @23161 has 108 MA's), (277, 23299), (284, 23320), (286, 23326), (303, 23377), (307, 23389), (323, 23431), (349, 23518), (351, 23524), (354, 23536), (377, 23590), (389, 23626),

Gene: Mariokart_6 Start: 4909, Stop: 4358, Start Num: 187

Candidate Starts for Mariokart_6:

(Start: 187 @4909 has 371 MA's), (230, 4828), (233, 4822), (247, 4804), (254, 4795), (293, 4693), (324, 4609), (339, 4564), (341, 4558), (351, 4519), (354, 4507), (356, 4504), (367, 4480), (376, 4453), (377, 4450), (409, 4378),

Gene: Marley1013_8 Start: 6203, Stop: 5625, Start Num: 187

Candidate Starts for Marley1013_8:

(Start: 150 @6275 has 7 MA's), (Start: 187 @6203 has 371 MA's), (233, 6095), (254, 6068), (268, 6029), (280, 5996), (284, 5984), (340, 5831), (351, 5789), (365, 5756), (376, 5723), (399, 5672), (409, 5645),

Gene: Marlia_8 Start: 5408, Stop: 4863, Start Num: 187

Candidate Starts for Marlia_8:

(Start: 150 @5480 has 7 MA's), (Start: 187 @5408 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: Marmie_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Marmie_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Maru_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Maru_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Mashley_52 Start: 41380, Stop: 40808, Start Num: 193

Candidate Starts for Mashley_52:

(62, 41674), (65, 41665), (96, 41578), (109, 41530), (154, 41440), (Start: 193 @41380 has 44 MA's), (220, 41314), (285, 41176), (288, 41167), (293, 41149), (331, 41041), (336, 41026), (339, 41017), (351, 40972), (354, 40960), (383, 40885), (400, 40855), (409, 40831),

Gene: MasterPo_9 Start: 6474, Stop: 7049, Start Num: 187

Candidate Starts for MasterPo_9:

(117, 6339), (Start: 129 @6357 has 3 MA's), (131, 6360), (139, 6378), (Start: 140 @6381 has 1 MA's), (Start: 187 @6474 has 371 MA's), (Start: 209 @6531 has 1 MA's), (217, 6543), (228, 6561), (273, 6654), (276, 6663), (308, 6753), (310, 6756), (312, 6759), (325, 6795), (336, 6831), (339, 6840), (351, 6885), (352, 6888), (354, 6897), (378, 6957), (380, 6963), (381, 6966), (400, 7002), (409, 7026), (410, 7035),

Gene: Matalotodo_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Matalotodo_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: McCrothy_67 Start: 52527, Stop: 53165, Start Num: 184

Candidate Starts for McCrothy_67:

(Start: 184 @52527 has 47 MA's), (257, 52677), (296, 52767), (311, 52806), (315, 52821), (332, 52869), (334, 52875), (365, 52968), (384, 53049), (408, 53106),

Gene: McKinley_69 Start: 51576, Stop: 52214, Start Num: 184

Candidate Starts for McKinley_69:

(34, 51108), (48, 51195), (53, 51231), (Start: 130 @51474 has 1 MA's), (Start: 153 @51522 has 1 MA's), (Start: 168 @51543 has 3 MA's), (Start: 184 @51576 has 47 MA's), (257, 51726), (296, 51816), (311, 51855), (315, 51870), (332, 51918), (334, 51924), (365, 52017), (384, 52098), (408, 52155),

Gene: Mcshane_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Mcshane_6:

(Start: 187 @3919 has 371 MA's), (Start: 197 @3889 has 1 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Mecca_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Mecca_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Megamind20_7 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Megamind20_7:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Megatron_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Megatron_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: MelBins_67 Start: 50181, Stop: 50828, Start Num: 186

Candidate Starts for MelBins_67:

(Start: 186 @50181 has 24 MA's), (216, 50259), (241, 50307), (247, 50322), (263, 50379), (270, 50391), (311, 50502), (333, 50568), (334, 50571), (353, 50637), (354, 50643), (381, 50715), (402, 50757), (408, 50778),

Gene: Melba_74 Start: 45340, Stop: 45930, Start Num: 214

Candidate Starts for Melba_74:

(65, 45037), (73, 45058), (Start: 214 @45340 has 108 MA's), (297, 45562), (301, 45574), (303, 45580), (333, 45661), (334, 45664), (346, 45706), (381, 45832),

Gene: Melc17_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Melc17_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Mellie_72 Start: 45623, Stop: 46213, Start Num: 214

Candidate Starts for Mellie_72:

(36, 45134), (46, 45209), (59, 45299), (Start: 214 @45623 has 108 MA's), (248, 45698), (297, 45845), (301, 45857), (303, 45863), (333, 45944), (346, 45989), (381, 46115), (409, 46187),

Gene: MelsMeow_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for MelsMeow_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: MenE_38 Start: 22713, Stop: 23276, Start Num: 200

Candidate Starts for MenE_38:

(Start: 200 @22713 has 11 MA's), (Start: 207 @22725 has 1 MA's), (Start: 214 @22743 has 108 MA's), (253, 22806), (265, 22848), (280, 22884), (281, 22887), (298, 22938), (303, 22953), (307, 22965), (319, 22998), (321, 23004), (349, 23094), (351, 23100), (354, 23112), (377, 23166),

Gene: Mentos_58 Start: 42766, Stop: 42194, Start Num: 193

Candidate Starts for Mentos_58:

(144, 42853), (Start: 193 @42766 has 44 MA's), (220, 42700), (285, 42562), (288, 42553), (293, 42535), (331, 42427), (336, 42412), (339, 42403), (351, 42358), (354, 42346), (383, 42271), (400, 42241), (409, 42217),

Gene: Mercurio_53 Start: 39622, Stop: 40209, Start Num: 214

Candidate Starts for Mercurio_53:

(41, 39133), (198, 39583), (204, 39598), (Start: 214 @39622 has 108 MA's), (235, 39670), (238, 39676), (276, 39766), (294, 39820), (302, 39841), (333, 39928), (348, 39991), (351, 40000), (381, 40105), (408, 40174), (416, 40201),

Gene: Mesh1_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Mesh1_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Mesmerelda_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Mesmerelda_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: MichaelPhcott_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for MichaelPhcott_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Mikota_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Mikota_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Mila11_56 Start: 42848, Stop: 42276, Start Num: 193

Candidate Starts for Mila11_56:

(32, 43334), (57, 43163), (154, 42908), (Start: 193 @42848 has 44 MA's), (220, 42782), (285, 42644), (288, 42635), (293, 42617), (331, 42509), (336, 42494), (339, 42485), (351, 42440), (354, 42428), (383, 42353), (400, 42323), (409, 42299),

Gene: MiniBoss_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for MiniBoss_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: MintFen_75 Start: 45842, Stop: 46432, Start Num: 214

Candidate Starts for MintFen_75:

(65, 45569), (73, 45590), (Start: 214 @45842 has 108 MA's), (293, 46049), (297, 46064), (301, 46076), (303, 46082), (320, 46127), (328, 46145), (333, 46163), (334, 46166), (345, 46205), (346, 46208), (381, 46334), (409, 46406),

Gene: Mischief19_67 Start: 58954, Stop: 59559, Start Num: 212

Candidate Starts for Mischief19_67:

(Start: 184 @58867 has 47 MA's), (Start: 212 @58954 has 15 MA's), (218, 58978), (221, 58987), (256, 59062), (279, 59128), (295, 59176), (318, 59242), (319, 59245), (324, 59257), (341, 59308), (348, 59347), (362, 59398), (367, 59419), (371, 59446),

Gene: MissRona_80 Start: 50047, Stop: 50631, Start Num: 214

Candidate Starts for MissRona_80:

(1, 48946), (2, 48967), (11, 49162), (15, 49204), (16, 49222), (23, 49342), (36, 49609), (51, 49705), (Start: 214 @50047 has 108 MA's), (250, 50128), (253, 50131), (277, 50200), (293, 50251), (294, 50254), (295, 50257), (311, 50296), (317, 50317), (345, 50404), (357, 50443), (364, 50455), (368, 50464), (381, 50524), (390, 50551),

Gene: MitKao_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for MitKao_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Mithril_7 Start: 6294, Stop: 5680, Start Num: 161

Candidate Starts for Mithril_7:

(Start: 153 @6303 has 1 MA's), (Start: 161 @6294 has 5 MA's), (Start: 183 @6252 has 13 MA's), (Start: 188 @6243 has 33 MA's), (268, 6087), (273, 6075), (293, 6015), (308, 5973), (312, 5967), (315,

5955), (319, 5943), (333, 5904), (351, 5841), (365, 5808), (376, 5775), (377, 5772), (381, 5760), (382, 5757), (400, 5724), (408, 5703),

Gene: MmasiCarm_8 Start: 5414, Stop: 4863, Start Num: 187

Candidate Starts for MmasiCarm_8:

(Start: 147 @5489 has 4 MA's), (160, 5471), (Start: 187 @5414 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: MoontowerMania_68 Start: 52546, Stop: 53184, Start Num: 184

Candidate Starts for MoontowerMania_68:

(Start: 184 @52546 has 47 MA's), (257, 52696), (296, 52786), (311, 52825), (315, 52840), (332, 52888), (334, 52894), (351, 52954), (365, 52987), (384, 53068), (408, 53125),

Gene: Morgushi_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Morgushi_6:

(Start: 187 @3916 has 371 MA's), (Start: 197 @3886 has 1 MA's), (203, 3871), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: MorillMayhem_54 Start: 41725, Stop: 41153, Start Num: 193

Candidate Starts for MorillMayhem_54:

(32, 42211), (57, 42040), (154, 41785), (Start: 193 @41725 has 44 MA's), (220, 41659), (285, 41521), (288, 41512), (293, 41494), (331, 41386), (336, 41371), (339, 41362), (351, 41317), (354, 41305), (383, 41230), (400, 41200), (409, 41176),

Gene: Mortcellus_7 Start: 6051, Stop: 5473, Start Num: 187

Candidate Starts for Mortcellus_7:

(Start: 150 @6123 has 7 MA's), (Start: 187 @6051 has 371 MA's), (233, 5943), (254, 5916), (268, 5877), (280, 5844), (284, 5832), (340, 5679), (351, 5637), (365, 5604), (376, 5571), (399, 5520), (409, 5493),

Gene: Morty_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Morty_6:

(Start: 187 @3915 has 371 MA's), (Start: 197 @3885 has 1 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Morty007_8 Start: 6203, Stop: 5625, Start Num: 187

Candidate Starts for Morty007_8:

(Start: 150 @6275 has 7 MA's), (Start: 187 @6203 has 371 MA's), (233, 6095), (254, 6068), (268, 6029), (280, 5996), (284, 5984), (340, 5831), (351, 5789), (365, 5756), (376, 5723), (399, 5672), (409, 5645),

Gene: Mosaic_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Mosaic_6:

(Start: 187 @3919 has 371 MA's), (Start: 197 @3889 has 1 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: MossRose_8 Start: 6372, Stop: 5821, Start Num: 187

Candidate Starts for MossRose_8:

(149, 6432), (159, 6417), (162, 6411), (Start: 187 @6372 has 371 MA's), (203, 6327), (206, 6321), (268, 6234), (275, 6216), (283, 6192), (293, 6165), (294, 6162), (295, 6159), (331, 6060), (354, 5979), (381, 5907), (388, 5886), (410, 5832),

Gene: Mowgli_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Mowgli_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Mudslide_7 Start: 6237, Stop: 5677, Start Num: 188

Candidate Starts for Mudslide_7:

(125, 6357), (126, 6354), (Start: 188 @6237 has 33 MA's), (268, 6081), (273, 6069), (276, 6060), (293, 6012), (312, 5964), (315, 5952), (319, 5940), (329, 5913), (333, 5901), (365, 5805), (376, 5772), (381, 5757), (382, 5754), (400, 5721), (408, 5700),

Gene: Mulan_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Mulan_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Mulaychimus_8 Start: 5414, Stop: 4863, Start Num: 187

Candidate Starts for Mulaychimus_8:

(Start: 150 @5486 has 7 MA's), (Start: 187 @5414 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: Murdoc_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Murdoc_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Murp_73 Start: 48722, Stop: 49312, Start Num: 214

Candidate Starts for Murp_73:

(36, 48254), (59, 48419), (Start: 214 @48722 has 108 MA's), (297, 48944), (301, 48956), (303, 48962), (320, 49007), (328, 49025), (333, 49043), (334, 49046), (346, 49088), (381, 49214),

Gene: Mutante_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Mutante_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Mutzi_62 Start: 48367, Stop: 48966, Start Num: 185

Candidate Starts for Mutzi_62:

(Start: 185 @48367 has 32 MA's), (334, 48682), (339, 48697), (351, 48742), (373, 48799), (384, 48832), (387, 48841), (397, 48871), (402, 48883), (411, 48919), (420, 48949),

Gene: Mysterious_8 Start: 6489, Stop: 5926, Start Num: 188

Candidate Starts for Mysterious_8:

(Start: 188 @6489 has 33 MA's), (Start: 210 @6432 has 1 MA's), (268, 6333), (295, 6255), (312, 6213), (319, 6189), (329, 6162), (333, 6150), (351, 6087), (354, 6075), (367, 6048), (393, 5976), (400, 5970), (408, 5949),

Gene: NCRodriguez_38 Start: 22872, Stop: 23453, Start Num: 200

Candidate Starts for NCRodriguez_38:

(Start: 200 @22872 has 11 MA's), (Start: 214 @22902 has 108 MA's), (265, 23025), (277, 23052), (284, 23073), (298, 23115), (303, 23130), (307, 23142), (323, 23184), (349, 23271), (351, 23277), (354, 23289), (377, 23343),

Gene: NHagos_6 Start: 4853, Stop: 4311, Start Num: 187

Candidate Starts for NHagos_6:

(Start: 187 @4853 has 371 MA's), (206, 4802), (253, 4754), (295, 4643), (327, 4559), (329, 4550), (331, 4544), (339, 4520), (351, 4475), (356, 4460), (381, 4391),

Gene: Nacho_006 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Nacho_006:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Namago_54 Start: 41139, Stop: 40564, Start Num: 188

Candidate Starts for Namago_54:

(Start: 188 @41139 has 33 MA's), (220, 41070), (285, 40932), (288, 40923), (293, 40905), (331, 40797), (336, 40782), (339, 40773), (351, 40728), (354, 40716), (383, 40641), (400, 40611), (409, 40587),

Gene: Nanao_6 Start: 5152, Stop: 4583, Start Num: 183

Candidate Starts for Nanao_6:

(Start: 183 @5152 has 13 MA's), (Start: 188 @5143 has 33 MA's), (268, 4987), (273, 4975), (293, 4918), (308, 4876), (312, 4870), (315, 4858), (329, 4819), (351, 4744), (365, 4711), (376, 4678), (377, 4675), (381, 4663), (382, 4660), (408, 4606),

Gene: Nangang_8 Start: 6203, Stop: 5640, Start Num: 188

Candidate Starts for Nangang_8:

(Start: 188 @6203 has 33 MA's), (Start: 210 @6146 has 1 MA's), (268, 6047), (295, 5969), (312, 5927), (319, 5903), (333, 5864), (351, 5801), (352, 5798), (354, 5789), (367, 5762), (393, 5690), (400, 5684), (408, 5663), (410, 5651),

Gene: Nathan_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Nathan_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Natkenzie_66 Start: 50003, Stop: 50650, Start Num: 186

Candidate Starts for Natkenzie_66:

(108, 49841), (111, 49847), (114, 49865), (162, 49952), (Start: 186 @50003 has 24 MA's), (216, 50081), (237, 50123), (241, 50129), (270, 50195), (279, 50213), (311, 50297), (315, 50312), (336, 50372), (339, 50381), (354, 50447), (358, 50456), (386, 50534), (402, 50561), (422, 50639),

Gene: Nehemiah_7 Start: 6489, Stop: 5926, Start Num: 188

Candidate Starts for Nehemiah_7:

(Start: 188 @6489 has 33 MA's), (Start: 210 @6432 has 1 MA's), (268, 6333), (295, 6255), (312, 6213), (319, 6189), (329, 6162), (333, 6150), (351, 6087), (354, 6075), (367, 6048), (393, 5976), (400, 5970), (408, 5949),

Gene: Neoh_50 Start: 37352, Stop: 37942, Start Num: 214

Candidate Starts for Neoh_50:

(9, 36680), (10, 36683), (44, 36974), (63, 37103), (95, 37175), (148, 37298), (198, 37319), (199, 37325), (Start: 214 @37352 has 108 MA's), (235, 37400), (276, 37496), (286, 37523), (292, 37544),

(294, 37550), (301, 37574), (333, 37661), (343, 37691), (348, 37724), (351, 37733), (367, 37772), (372, 37811), (381, 37838), (408, 37907),

Gene: Neos5_8 Start: 6203, Stop: 5625, Start Num: 187

Candidate Starts for Neos5_8:

(Start: 150 @6275 has 7 MA's), (Start: 187 @6203 has 371 MA's), (233, 6095), (254, 6068), (268, 6029), (280, 5996), (284, 5984), (340, 5831), (351, 5789), (365, 5756), (376, 5723), (399, 5672), (409, 5645),

Gene: Newman_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Newman_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: NiaNia_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for NiaNia_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: Nicole21_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Nicole21_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Nigel_5 Start: 4707, Stop: 4126, Start Num: 188

Candidate Starts for Nigel_5:

(Start: 187 @4710 has 371 MA's), (Start: 188 @4707 has 33 MA's), (233, 4602), (235, 4599), (250, 4575), (268, 4533), (273, 4521), (295, 4455), (312, 4413), (315, 4401), (351, 4287), (381, 4206), (382, 4203), (400, 4170), (408, 4149),

Gene: Nike_54 Start: 41918, Stop: 41343, Start Num: 193

Candidate Starts for Nike_54:

(144, 42005), (Start: 193 @41918 has 44 MA's), (220, 41852), (285, 41711), (288, 41702), (293, 41684), (331, 41576), (336, 41561), (339, 41552), (351, 41507), (354, 41495), (383, 41420), (400, 41390), (409, 41366),

Gene: Nordenberg_67 Start: 50558, Stop: 51196, Start Num: 184

Candidate Starts for Nordenberg_67:

(Start: 184 @50558 has 47 MA's), (257, 50708), (296, 50798), (311, 50837), (315, 50852), (332, 50900), (334, 50906), (365, 50999), (384, 51080), (408, 51137),

Gene: Nova1_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Nova1_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Nozo_8 Start: 6176, Stop: 5625, Start Num: 187

Candidate Starts for Nozo_8:

(Start: 147 @6251 has 4 MA's), (160, 6233), (Start: 187 @6176 has 371 MA's), (233, 6095), (254, 6068), (268, 6029), (280, 5996), (284, 5984), (340, 5831), (351, 5789), (365, 5756), (376, 5723), (399, 5672), (409, 5645),

Gene: Nubi_63 Start: 46738, Stop: 47337, Start Num: 185

Candidate Starts for Nubi_63:

(Start: 185 @46738 has 32 MA's), (334, 47053), (339, 47068), (351, 47113), (373, 47170), (384, 47203), (387, 47212), (397, 47242), (402, 47254), (420, 47320),

Gene: Numberten_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Numberten_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Nyala_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Nyala_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: OSmaximus_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for OSmaximus_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Obliviate_74 Start: 45891, Stop: 46481, Start Num: 214

Candidate Starts for Obliviate_74:

(Start: 214 @45891 has 108 MA's), (297, 46113), (301, 46125), (303, 46131), (333, 46212), (334, 46215), (346, 46257), (381, 46383),

Gene: Obutu_8 Start: 5414, Stop: 4863, Start Num: 187

Candidate Starts for Obutu_8:

(Start: 150 @5486 has 7 MA's), (Start: 187 @5414 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: OctaviousRex_50 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for OctaviousRex_50:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Olak_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Olak_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511),

Gene: Olga_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Olga_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Oline_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Oline_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: OliverWalter_6 Start: 3914, Stop: 3360, Start Num: 187

Candidate Starts for OliverWalter_6:

(Start: 187 @3914 has 371 MA's), (Start: 197 @3884 has 1 MA's), (203, 3869), (268, 3764), (295, 3689), (308, 3653), (312, 3647), (352, 3518), (354, 3509), (403, 3398),

Gene: Olivio_7 Start: 5262, Stop: 4711, Start Num: 187

Candidate Starts for Olivio_7:

(Start: 150 @5334 has 7 MA's), (Start: 187 @5262 has 371 MA's), (233, 5181), (254, 5154), (268, 5115), (280, 5082), (284, 5070), (340, 4917), (351, 4875), (365, 4842), (376, 4809), (399, 4758), (409, 4731),

Gene: Omniscient_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Omniscient_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: OneBrain_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for OneBrain_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: OneinaGillian_61 Start: 42021, Stop: 41458, Start Num: 193

Candidate Starts for OneinaGillian_61:

(Start: 193 @42021 has 44 MA's), (266, 41877), (352, 41622), (354, 41613), (381, 41544), (409, 41481),

Gene: Oosterbaan_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Oosterbaan_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Opia_9 Start: 6474, Stop: 7049, Start Num: 187

Candidate Starts for Opia_9:

(117, 6339), (Start: 129 @6357 has 3 MA's), (139, 6378), (Start: 140 @6381 has 1 MA's), (Start: 187 @6474 has 371 MA's), (Start: 209 @6531 has 1 MA's), (217, 6543), (228, 6561), (273, 6654), (276, 6663), (308, 6753), (310, 6756), (312, 6759), (325, 6795), (336, 6831), (339, 6840), (351, 6885), (352, 6888), (354, 6897), (378, 6957), (380, 6963), (381, 6966), (400, 7002), (409, 7026), (410, 7035),

Gene: OrangeOswald_8 Start: 5489, Stop: 4863, Start Num: 147

Candidate Starts for OrangeOswald_8:

(Start: 147 @5489 has 4 MA's), (160, 5471), (Start: 187 @5414 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: Orfeu_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Orfeu_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Orion_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Orion_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Orwigg_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Orwigg_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: PCoral7_74 Start: 46525, Stop: 47115, Start Num: 214

Candidate Starts for PCoral7_74:

(Start: 214 @46525 has 108 MA's), (284, 46702), (294, 46735), (297, 46747), (301, 46759), (303, 46765), (320, 46810), (346, 46891), (381, 47017), (398, 47056),

Gene: PG1_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for PG1_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Pace1224_50 Start: 37494, Stop: 38078, Start Num: 214

Candidate Starts for Pace1224_50:

(Start: 214 @37494 has 108 MA's), (248, 37560), (287, 37668), (293, 37689), (294, 37692), (295, 37695), (301, 37716), (332, 37797), (343, 37830), (348, 37863), (351, 37872), (372, 37947), (381, 37974),

Gene: Pacifista_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Pacifista_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Paito_53 Start: 37596, Stop: 38186, Start Num: 214

Candidate Starts for Paito_53:

(30, 37146), (44, 37230), (95, 37431), (199, 37569), (Start: 214 @37596 has 108 MA's), (276, 37740), (292, 37788), (294, 37794), (324, 37878), (333, 37905), (348, 37968), (351, 37977), (372, 38055), (381, 38082), (408, 38151),

Gene: PallasAthena_7 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for PallasAthena_7:

(Start: 187 @3919 has 371 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514),

Gene: Paries_70 Start: 52128, Stop: 52766, Start Num: 184

Candidate Starts for Paries_70:

(Start: 184 @52128 has 47 MA's), (257, 52278), (296, 52368), (311, 52407), (315, 52422), (332, 52470), (334, 52476), (365, 52569), (384, 52650), (408, 52707),

Gene: Peeb_50 Start: 36905, Stop: 37495, Start Num: 214

Candidate Starts for Peeb_50:

(9, 36233), (10, 36236), (44, 36527), (63, 36656), (95, 36728), (148, 36851), (198, 36872), (199, 36878), (Start: 214 @36905 has 108 MA's), (235, 36953), (276, 37049), (286, 37076), (292, 37097), (294, 37103), (301, 37127), (333, 37214), (343, 37244), (348, 37277), (351, 37286), (367, 37325), (372, 37364), (381, 37391), (408, 37460),

Gene: PenguinLover67_10 Start: 7104, Stop: 6535, Start Num: 187

Candidate Starts for PenguinLover67_10:

(163, 7155), (181, 7113), (Start: 187 @7104 has 371 MA's), (264, 6942), (268, 6936), (293, 6870), (295, 6864), (312, 6822), (315, 6810), (319, 6798), (334, 6756), (351, 6696), (352, 6693), (376, 6630), (378, 6624), (381, 6615), (406, 6564), (410, 6546),

Gene: Pepe25_60 Start: 41552, Stop: 40989, Start Num: 193

Candidate Starts for Pepe25_60:

(Start: 193 @41552 has 44 MA's), (284, 41360), (331, 41225), (334, 41216), (351, 41156), (352, 41153), (354, 41144), (381, 41075), (409, 41012),

Gene: Periodt_51 Start: 37067, Stop: 37657, Start Num: 214

Candidate Starts for Periodt_51:

(Start: 214 @37067 has 108 MA's), (235, 37115), (276, 37211), (292, 37259), (294, 37265), (301, 37289), (333, 37376), (343, 37406), (348, 37439), (351, 37448), (367, 37487), (372, 37526), (381, 37553), (408, 37622),

Gene: Petra_80 Start: 48158, Stop: 48742, Start Num: 214

Candidate Starts for Petra_80:

(Start: 214 @48158 has 108 MA's), (243, 48224), (250, 48239), (277, 48311), (294, 48365), (295, 48368), (311, 48407), (317, 48428), (328, 48455), (345, 48515), (357, 48554), (364, 48566), (368, 48575), (381, 48635),

Gene: Phabia_53 Start: 41409, Stop: 40831, Start Num: 193

Candidate Starts for Phabia_53:

(80, 41652), (141, 41490), (Start: 193 @41409 has 44 MA's), (252, 41298), (288, 41193), (326, 41088), (339, 41043), (341, 41037), (351, 40998), (356, 40983), (377, 40929), (409, 40854),

Gene: Phamished_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Phamished_6:

(Start: 187 @3915 has 371 MA's), (Start: 197 @3885 has 1 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Phantasmagoria_9 Start: 6474, Stop: 7049, Start Num: 187

Candidate Starts for Phantasmagoria_9:

(117, 6339), (Start: 129 @6357 has 3 MA's), (139, 6378), (Start: 140 @6381 has 1 MA's), (Start: 187 @6474 has 371 MA's), (Start: 209 @6531 has 1 MA's), (217, 6543), (228, 6561), (273, 6654), (276, 6663), (308, 6753), (310, 6756), (312, 6759), (325, 6795), (336, 6831), (339, 6840), (351, 6885), (352, 6888), (354, 6897), (378, 6957), (380, 6963), (381, 6966), (400, 7002), (409, 7026), (410, 7035),

Gene: Phareon_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Phareon_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: PhatCats2014_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for PhatCats2014_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: PhatLouie_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for PhatLouie_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Phauci_56 Start: 46468, Stop: 47115, Start Num: 183

Candidate Starts for Phauci_56:

(Start: 183 @46468 has 13 MA's), (241, 46594), (247, 46609), (263, 46666), (270, 46678), (274, 46690), (276, 46696), (293, 46738), (299, 46759), (311, 46789), (333, 46855), (334, 46858), (353, 46924), (354, 46930), (381, 47002), (402, 47044), (408, 47065),

Gene: Phayeta_8 Start: 5289, Stop: 4711, Start Num: 187

Candidate Starts for Phayeta_8:

(Start: 150 @5361 has 7 MA's), (Start: 187 @5289 has 371 MA's), (233, 5181), (254, 5154), (268, 5115), (280, 5082), (284, 5070), (340, 4917), (351, 4875), (365, 4842), (376, 4809), (399, 4758), (409, 4731),

Gene: Phelemich_8 Start: 6492, Stop: 5929, Start Num: 188

Candidate Starts for Phelemich_8:

(Start: 188 @6492 has 33 MA's), (208, 6441), (268, 6336), (295, 6258), (312, 6216), (319, 6192), (329, 6165), (333, 6153), (351, 6090), (354, 6078), (367, 6051), (388, 5988), (410, 5940),

Gene: PhenghisKhan_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for PhenghisKhan_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Pherdinand_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Pherdinand_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Phergie_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Phergie_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Philly_7 Start: 5375, Stop: 4752, Start Num: 150

Candidate Starts for Philly_7:

(Start: 150 @5375 has 7 MA's), (Start: 187 @5303 has 371 MA's), (233, 5222), (254, 5195), (268, 5156), (280, 5123), (284, 5111), (340, 4958), (351, 4916), (365, 4883), (376, 4850), (399, 4799), (409, 4772),

Gene: PhillyJawn_38 Start: 22565, Stop: 23128, Start Num: 200

Candidate Starts for PhillyJawn_38:

(Start: 200 @22565 has 11 MA's), (Start: 207 @22577 has 1 MA's), (Start: 214 @22595 has 108 MA's), (253, 22658), (265, 22700), (280, 22736), (281, 22739), (298, 22790), (303, 22805), (307, 22817), (319, 22850), (321, 22856), (349, 22946), (351, 22952), (354, 22964), (377, 23018),

Gene: Phinally_64 Start: 49613, Stop: 50260, Start Num: 183

Candidate Starts for Phinally_64:

(Start: 183 @49613 has 13 MA's), (216, 49691), (241, 49739), (247, 49754), (263, 49811), (270, 49823), (276, 49841), (293, 49883), (311, 49934), (333, 50000), (334, 50003), (353, 50069), (354, 50075), (381, 50147), (402, 50189), (408, 50210),

Gene: Phingu_40 Start: 22763, Stop: 23344, Start Num: 200

Candidate Starts for Phingu_40:

(Start: 200 @22763 has 11 MA's), (Start: 214 @22793 has 108 MA's), (265, 22916), (277, 22943), (284, 22964), (298, 23006), (303, 23021), (307, 23033), (323, 23075), (349, 23162), (351, 23168), (354, 23180), (377, 23234),

Gene: Phinky_62 Start: 43645, Stop: 43067, Start Num: 195

Candidate Starts for Phinky_62:

(61, 43999), (66, 43981), (72, 43963), (81, 43945), (169, 43729), (Start: 195 @43645 has 1 MA's), (201, 43630), (219, 43594), (276, 43486), (297, 43420), (308, 43393), (334, 43321), (352, 43255), (381, 43177), (409, 43114), (410, 43105),

Gene: Phipps_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Phipps_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: Phish_50 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Phish_50:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Phleuron_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Phleuron_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Phloodle_49 Start: 36929, Stop: 37519, Start Num: 214

Candidate Starts for Phloodle_49:

(9, 36257), (10, 36260), (44, 36551), (63, 36680), (95, 36752), (148, 36875), (198, 36896), (199, 36902), (Start: 214 @36929 has 108 MA's), (235, 36977), (276, 37073), (286, 37100), (292, 37121), (294, 37127), (301, 37151), (333, 37238), (343, 37268), (348, 37301), (351, 37310), (367, 37349), (372, 37388), (381, 37415), (408, 37484),

Gene: Phlop_61 Start: 47095, Stop: 47694, Start Num: 185

Candidate Starts for Phlop_61:

(Start: 185 @47095 has 32 MA's), (334, 47410), (339, 47425), (351, 47470), (373, 47527), (384, 47560), (387, 47569), (397, 47599), (402, 47611), (411, 47647), (420, 47677),

Gene: Phlyer_8 Start: 6242, Stop: 5625, Start Num: 150

Candidate Starts for Phlyer_8:

(Start: 150 @6242 has 7 MA's), (Start: 187 @6170 has 371 MA's), (233, 6095), (254, 6068), (268, 6029), (280, 5996), (284, 5984), (340, 5831), (351, 5789), (365, 5756), (376, 5723), (399, 5672), (409, 5645),

Gene: Phonegingi_37 Start: 22596, Stop: 23168, Start Num: 200

Candidate Starts for Phonegingi_37:

(132, 22434), (Start: 200 @22596 has 11 MA's), (Start: 214 @22626 has 108 MA's), (265, 22740), (277, 22767), (284, 22788), (298, 22830), (303, 22845), (307, 22857), (323, 22899), (349, 22986), (351, 22992), (354, 23004), (377, 23058),

Gene: PhrankReynolds_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for PhrankReynolds_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Phreak_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Phreak_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: PhrodoBaggins_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for PhrodoBaggins_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: PhrostedPhlake_81 Start: 48308, Stop: 48892, Start Num: 214

Candidate Starts for PhrostedPhlake_81:

(36, 47840), (46, 47915), (59, 48005), (Start: 214 @48308 has 108 MA's), (250, 48389), (277, 48461), (283, 48479), (293, 48512), (294, 48515), (295, 48518), (311, 48557), (317, 48578), (345, 48665), (364, 48716), (368, 48725), (381, 48785),

Gene: Phunky_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Phunky_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: Pickles13_36 Start: 22875, Stop: 23438, Start Num: 200

Candidate Starts for Pickles13_36:

(132, 22707), (Start: 200 @22875 has 11 MA's), (Start: 207 @22887 has 1 MA's), (Start: 214 @22905 has 108 MA's), (253, 22968), (280, 23046), (281, 23049), (285, 23061), (303, 23115), (307, 23127), (319, 23160), (321, 23166), (349, 23256), (351, 23262), (354, 23274), (404, 23388),

Gene: Piglet_006 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Piglet_006:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Pine5_08 Start: 5560, Stop: 4889, Start Num: 192

Candidate Starts for Pine5_08:

(192, 5560), (283, 5353), (287, 5344), (293, 5323), (303, 5290), (314, 5263), (341, 5188), (370, 5059), (390, 4990), (402, 4969), (414, 4927),

Gene: PinheadLarry_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for PinheadLarry_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: PinkCoffee_65 Start: 47101, Stop: 47700, Start Num: 185

Candidate Starts for PinkCoffee_65:

(Start: 185 @47101 has 32 MA's), (334, 47416), (339, 47431), (351, 47476), (373, 47533), (384, 47566), (387, 47575), (397, 47605), (402, 47617), (411, 47653), (420, 47683),

Gene: PinkYoshi_51 Start: 36905, Stop: 37495, Start Num: 214

Candidate Starts for PinkYoshi_51:

(9, 36233), (10, 36236), (44, 36527), (63, 36656), (95, 36728), (148, 36851), (198, 36872), (199, 36878), (Start: 214 @36905 has 108 MA's), (235, 36953), (276, 37049), (286, 37076), (292, 37097), (294, 37103), (301, 37127), (333, 37214), (343, 37244), (348, 37277), (351, 37286), (367, 37325), (372, 37364), (381, 37391), (408, 37460),

Gene: Pinkman_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Pinkman_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Pinnie_50 Start: 38254, Stop: 38841, Start Num: 151

Candidate Starts for Pinnie_50:

(100, 38170), (116, 38215), (Start: 151 @38254 has 2 MA's), (235, 38302), (279, 38407), (293, 38449), (294, 38452), (348, 38626), (349, 38629), (351, 38635), (372, 38710), (381, 38737), (386, 38752),

Gene: Pipefish_8 Start: 6380, Stop: 5730, Start Num: 150

Candidate Starts for Pipefish_8:

(Start: 150 @6380 has 7 MA's), (Start: 187 @6308 has 371 MA's), (233, 6200), (254, 6173), (268, 6134), (280, 6101), (284, 6089), (340, 5936), (351, 5894), (365, 5861), (376, 5828), (399, 5777), (409, 5750),

Gene: Pipp_79 Start: 47870, Stop: 48448, Start Num: 209

Candidate Starts for Pipp_79:

(Start: 209 @47870 has 1 MA's), (Start: 210 @47873 has 1 MA's), (250, 47954), (277, 48026), (283, 48044), (293, 48077), (294, 48080), (295, 48083), (311, 48122), (317, 48143), (345, 48230), (364, 48281), (368, 48290), (381, 48350),

Gene: Pipsqueak_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Pipsqueak_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Placalicious_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Placalicious_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Plagueis_51 Start: 36734, Stop: 37324, Start Num: 214

Candidate Starts for Plagueis_51:

(9, 36062), (10, 36065), (44, 36356), (63, 36485), (95, 36557), (148, 36680), (198, 36701), (199, 36707), (Start: 214 @36734 has 108 MA's), (235, 36782), (276, 36878), (286, 36905), (292, 36926), (294, 36932), (301, 36956), (333, 37043), (343, 37073), (348, 37106), (351, 37115), (367, 37154), (372, 37193), (381, 37220), (408, 37289),

Gene: Plata_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Plata_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Plmatters_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Plmatters_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: Podrick_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Podrick_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Pops_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Pops_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Portcullis_65 Start: 47219, Stop: 47821, Start Num: 185

Candidate Starts for Portcullis_65:

(Start: 185 @47219 has 32 MA's), (305, 47459), (334, 47537), (339, 47552), (351, 47597), (358, 47618), (384, 47687), (385, 47690), (387, 47696), (397, 47726), (402, 47738), (411, 47774), (420, 47804),

Gene: Poster_6 Start: 5152, Stop: 4583, Start Num: 183

Candidate Starts for Poster_6:

(Start: 183 @5152 has 13 MA's), (Start: 188 @5143 has 33 MA's), (268, 4987), (273, 4975), (293, 4918), (308, 4876), (312, 4870), (315, 4858), (329, 4819), (351, 4744), (365, 4711), (376, 4678), (377, 4675), (381, 4663), (382, 4660), (408, 4606),

Gene: Potter_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Potter_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Prince_7 Start: 6243, Stop: 5680, Start Num: 188

Candidate Starts for Prince_7:

(Start: 153 @6303 has 1 MA's), (158, 6297), (Start: 176 @6267 has 1 MA's), (Start: 188 @6243 has 33 MA's), (268, 6087), (273, 6075), (293, 6015), (308, 5973), (312, 5967), (315, 5955), (329, 5916), (333, 5904), (365, 5808), (376, 5775), (377, 5772), (381, 5760), (382, 5757), (400, 5724), (408, 5703),

Gene: PrinceCharming_9 Start: 6591, Stop: 7166, Start Num: 187

Candidate Starts for PrinceCharming_9:

(117, 6456), (Start: 129 @6474 has 3 MA's), (131, 6477), (137, 6489), (139, 6495), (Start: 187 @6591 has 371 MA's), (218, 6663), (234, 6690), (273, 6771), (276, 6780), (308, 6870), (310, 6873), (312, 6876), (325, 6912), (336, 6948), (339, 6957), (351, 7002), (352, 7005), (354, 7014), (378, 7074), (380, 7080), (381, 7083), (400, 7119), (409, 7143), (410, 7152),

Gene: PrincePatrick_76 Start: 45859, Stop: 46449, Start Num: 214

Candidate Starts for PrincePatrick_76:

(Start: 214 @45859 has 108 MA's), (284, 46036), (294, 46069), (297, 46081), (301, 46093), (303, 46099), (320, 46144), (381, 46351), (398, 46390),

Gene: ProfessorX_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for ProfessorX_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Puhltonio_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Puhltonio_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: PullumCavea_62 Start: 47272, Stop: 47871, Start Num: 185

Candidate Starts for PullumCavea_62:

(3, 46330), (5, 46336), (6, 46342), (7, 46348), (8, 46354), (13, 46378), (21, 46501), (88, 47044), (Start: 185 @47272 has 32 MA's), (339, 47602), (351, 47647), (373, 47704), (384, 47737), (387, 47746), (397, 47776), (402, 47788), (420, 47854),

Gene: Pumpkiney_64 Start: 48159, Stop: 48824, Start Num: 186

Candidate Starts for Pumpkiney_64:

(Start: 186 @48159 has 24 MA's), (241, 48285), (247, 48300), (263, 48357), (293, 48429), (299, 48450), (311, 48480), (316, 48498), (354, 48621), (381, 48693), (402, 48735), (406, 48750), (408, 48756), (422, 48813),

Gene: Pupper_178 Start: 130307, Stop: 130879, Start Num: 212

Candidate Starts for Pupper_178:

(43, 129794), (146, 130151), (148, 130154), (Start: 212 @130307 has 15 MA's), (232, 130361), (237, 130364), (272, 130439), (277, 130457), (308, 130547), (334, 130619), (351, 130679), (413, 130844), (415, 130850),

Gene: Quammi_51 Start: 41109, Stop: 40531, Start Num: 193

Candidate Starts for Quammi_51:

(80, 41352), (141, 41190), (Start: 193 @41109 has 44 MA's), (252, 40998), (288, 40893), (326, 40788), (339, 40743), (341, 40737), (351, 40698), (356, 40683), (377, 40629), (409, 40554),

Gene: QueenBeane_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for QueenBeane_6:

(Start: 187 @3915 has 371 MA's), (Start: 197 @3885 has 1 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: QueenPie_7 Start: 6040, Stop: 5471, Start Num: 183

Candidate Starts for QueenPie_7:

(Start: 183 @6040 has 13 MA's), (Start: 188 @6031 has 33 MA's), (268, 5875), (273, 5863), (308, 5764), (312, 5758), (315, 5746), (319, 5734), (329, 5707), (351, 5632), (365, 5599), (376, 5566), (377, 5563), (381, 5551), (382, 5548), (408, 5494),

Gene: Quesadilla_9 Start: 6920, Stop: 6357, Start Num: 187

Candidate Starts for Quesadilla_9:

(Start: 187 @6920 has 371 MA's), (236, 6821), (244, 6809), (268, 6758), (293, 6692), (295, 6686), (312, 6644), (315, 6632), (334, 6578), (351, 6518), (352, 6515), (376, 6452), (378, 6446), (408, 6380),

Gene: Quisquiliae_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Quisquiliae_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Qyrzula_9 Start: 6447, Stop: 7139, Start Num: 129

Candidate Starts for Qyrzula_9:

(117, 6429), (Start: 129 @6447 has 3 MA's), (131, 6450), (139, 6468), (Start: 140 @6471 has 1 MA's), (Start: 187 @6564 has 371 MA's), (Start: 209 @6621 has 1 MA's), (217, 6633), (228, 6651), (273,

6744), (276, 6753), (308, 6843), (310, 6846), (312, 6849), (325, 6885), (336, 6921), (339, 6930), (351, 6975), (352, 6978), (354, 6987), (378, 7047), (380, 7053), (381, 7056), (400, 7092), (409, 7116), (410, 7125),

Gene: Rabbs_53 Start: 37053, Stop: 37640, Start Num: 196

Candidate Starts for Rabbs_53:

(17, 36564), (20, 36606), (22, 36642), (95, 36975), (Start: 196 @37053 has 4 MA's), (276, 37197), (292, 37245), (294, 37251), (301, 37275), (333, 37362), (348, 37425), (351, 37434), (372, 37509), (381, 37536),

Gene: RagingRooster_8 Start: 5414, Stop: 4863, Start Num: 187

Candidate Starts for RagingRooster_8:

(Start: 150 @5486 has 7 MA's), (Start: 187 @5414 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: RainyPolka_58 Start: 48033, Stop: 48623, Start Num: 212

Candidate Starts for RainyPolka_58:

(Start: 212 @48033 has 15 MA's), (245, 48084), (255, 48108), (261, 48135), (273, 48159), (280, 48180), (284, 48192), (294, 48222), (303, 48252), (318, 48291), (324, 48306), (328, 48315), (334, 48336), (348, 48396), (360, 48441), (362, 48447), (371, 48495), (379, 48525), (393, 48561),

Gene: Ratrick_51 Start: 37067, Stop: 37657, Start Num: 214

Candidate Starts for Ratrick_51:

(Start: 214 @37067 has 108 MA's), (235, 37115), (276, 37211), (292, 37259), (294, 37265), (301, 37289), (333, 37376), (343, 37406), (348, 37439), (351, 37448), (367, 37487), (372, 37526), (381, 37553), (408, 37622),

Gene: RawrgerThat_7 Start: 6237, Stop: 5677, Start Num: 188

Candidate Starts for RawrgerThat_7:

(Start: 153 @6297 has 1 MA's), (Start: 161 @6288 has 5 MA's), (Start: 183 @6246 has 13 MA's), (Start: 188 @6237 has 33 MA's), (268, 6081), (273, 6069), (293, 6012), (308, 5970), (312, 5964), (315, 5952), (319, 5940), (329, 5913), (365, 5805), (376, 5772), (377, 5769), (381, 5757), (382, 5754), (393, 5727), (400, 5721), (408, 5700),

Gene: Reccee_8 Start: 6215, Stop: 5649, Start Num: 188

Candidate Starts for Reccee_8:

(25, 6851), (28, 6779), (31, 6713), (128, 6329), (154, 6275), (159, 6269), (Start: 176 @6239 has 1 MA's), (Start: 188 @6215 has 33 MA's), (Start: 210 @6158 has 1 MA's), (268, 6056), (295, 5978), (312, 5936), (319, 5912), (329, 5885), (334, 5870), (351, 5810), (352, 5807), (354, 5798), (367, 5771), (393, 5699), (400, 5693),

Gene: RedMaple_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for RedMaple_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: RedRaider89_7 Start: 4150, Stop: 3596, Start Num: 187

Candidate Starts for RedRaider89_7:

(Start: 187 @4150 has 371 MA's), (Start: 197 @4120 has 1 MA's), (203, 4105), (208, 4096), (268, 4000), (295, 3925), (308, 3889), (312, 3883), (352, 3754), (354, 3745), (403, 3634),

Gene: Remy19_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Remy19_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Renaissance_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Renaissance_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Renkei_6 Start: 5153, Stop: 4584, Start Num: 183

Candidate Starts for Renkei_6:

(Start: 183 @5153 has 13 MA's), (Start: 188 @5144 has 33 MA's), (268, 4988), (293, 4919), (308, 4877), (312, 4871), (315, 4859), (351, 4745), (365, 4712), (376, 4679), (377, 4676), (381, 4664), (382, 4661), (400, 4628), (408, 4607),

Gene: Reprobate_8 Start: 6489, Stop: 5926, Start Num: 188

Candidate Starts for Reprobate_8:

(Start: 188 @6489 has 33 MA's), (208, 6438), (268, 6333), (295, 6255), (312, 6213), (319, 6189), (329, 6162), (333, 6150), (351, 6087), (354, 6075), (367, 6048), (388, 5985), (410, 5937),

Gene: Rhinoforte_9 Start: 6591, Stop: 7166, Start Num: 187

Candidate Starts for Rhinoforte_9:

(117, 6456), (Start: 129 @6474 has 3 MA's), (131, 6477), (137, 6489), (139, 6495), (Start: 187 @6591 has 371 MA's), (Start: 209 @6648 has 1 MA's), (217, 6660), (228, 6678), (273, 6771), (276, 6780), (308, 6870), (310, 6873), (312, 6876), (325, 6912), (336, 6948), (339, 6957), (351, 7002), (352, 7005), (354, 7014), (377, 7071), (378, 7074), (380, 7080), (381, 7083), (400, 7119), (409, 7143), (410, 7152),

Gene: Ribeye_67 Start: 50020, Stop: 50655, Start Num: 184

Candidate Starts for Ribeye_67:

(Start: 184 @50020 has 47 MA's), (296, 50257), (311, 50296), (315, 50311), (327, 50341), (329, 50350), (332, 50359), (384, 50539), (391, 50557),

Gene: Rich_8 Start: 6218, Stop: 5652, Start Num: 188

Candidate Starts for Rich_8:

(Start: 188 @6218 has 33 MA's), (Start: 210 @6161 has 1 MA's), (268, 6059), (293, 5987), (295, 5981), (297, 5972), (312, 5939), (319, 5915), (333, 5876), (351, 5813), (354, 5801), (367, 5774), (393, 5702), (400, 5696),

Gene: Richarlison_49 Start: 36899, Stop: 37489, Start Num: 214

Candidate Starts for Richarlison_49:

(9, 36227), (10, 36230), (44, 36521), (63, 36650), (95, 36722), (148, 36845), (198, 36866), (199, 36872), (Start: 214 @36899 has 108 MA's), (235, 36947), (276, 37043), (286, 37070), (292, 37091), (294, 37097), (301, 37121), (333, 37208), (343, 37238), (348, 37271), (351, 37280), (367, 37319), (372, 37358), (381, 37385), (408, 37454),

Gene: Ricotta_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Ricotta_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Riggan_6 Start: 3922, Stop: 3368, Start Num: 187

Candidate Starts for Riggan_6:

(Start: 187 @3922 has 371 MA's), (Start: 197 @3892 has 1 MA's), (203, 3877), (268, 3772), (295, 3697), (308, 3661), (312, 3655), (352, 3526), (354, 3517), (403, 3406),

Gene: Rinkes_11 Start: 8103, Stop: 7489, Start Num: 161

Candidate Starts for Rinkes_11:

(29, 8601), (39, 8505), (40, 8502), (42, 8490), (50, 8439), (64, 8346), (75, 8322), (91, 8274), (92, 8271), (94, 8265), (101, 8235), (121, 8175), (124, 8172), (Start: 129 @8163 has 3 MA's), (136, 8151), (Start: 161 @8103 has 5 MA's), (Start: 183 @8064 has 13 MA's), (Start: 188 @8055 has 33 MA's), (Start: 210 @7998 has 1 MA's), (244, 7950), (250, 7941), (268, 7899), (297, 7809), (312, 7776), (315, 7764), (351, 7650), (358, 7629), (382, 7566), (388, 7548), (400, 7533), (408, 7512), (409, 7509),

Gene: Rita130_8 Start: 6217, Stop: 5651, Start Num: 188

Candidate Starts for Rita130_8:

(Start: 188 @6217 has 33 MA's), (Start: 210 @6160 has 1 MA's), (268, 6058), (295, 5980), (312, 5938), (319, 5914), (329, 5887), (333, 5875), (354, 5800), (367, 5773), (393, 5701), (400, 5695),

Gene: Rita1961_8 Start: 5414, Stop: 4863, Start Num: 187

Candidate Starts for Rita1961_8:

(Start: 150 @5486 has 7 MA's), (Start: 187 @5414 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: RiverRaider_69 Start: 49606, Stop: 50229, Start Num: 184

Candidate Starts for RiverRaider_69:

(Start: 184 @49606 has 47 MA's), (190, 49615), (257, 49756), (294, 49837), (296, 49846), (311, 49885), (315, 49900), (377, 50092),

Gene: Riverton_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Riverton_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: RoadKill_59 Start: 45201, Stop: 45827, Start Num: 186

Candidate Starts for RoadKill_59:

(Start: 186 @45201 has 24 MA's), (247, 45342), (293, 45444), (328, 45543), (354, 45645), (377, 45705), (402, 45759), (406, 45774),

Gene: RobinRose_63 Start: 42533, Stop: 41970, Start Num: 193

Candidate Starts for RobinRose_63:

(Start: 193 @42533 has 44 MA's), (266, 42389), (315, 42251), (352, 42134), (354, 42125), (381, 42056), (409, 41993),

Gene: Robyn_6 Start: 3920, Stop: 3366, Start Num: 187

Candidate Starts for Robyn_6:

(Start: 187 @3920 has 371 MA's), (203, 3875), (208, 3866), (268, 3770), (295, 3695), (308, 3659), (312, 3653), (352, 3524), (354, 3515), (403, 3404),

Gene: Rofo_69 Start: 51570, Stop: 52208, Start Num: 184

Candidate Starts for Rofo_69:

(Start: 184 @51570 has 47 MA's), (257, 51720), (294, 51801), (296, 51810), (311, 51849), (315, 51864), (332, 51912), (365, 52011), (384, 52092), (408, 52149),

Gene: RogerDodger_66 Start: 47394, Stop: 47993, Start Num: 185

Candidate Starts for RogerDodger_66:

(3, 46452), (5, 46458), (6, 46464), (7, 46470), (8, 46476), (13, 46500), (21, 46623), (88, 47166), (Start: 185 @47394 has 32 MA's), (304, 47628), (339, 47724), (351, 47769), (373, 47826), (384, 47859), (387, 47868), (397, 47898), (402, 47910), (411, 47946), (420, 47976),

Gene: Roliet_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Roliet_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: RomaT_8 Start: 6248, Stop: 5625, Start Num: 150

Candidate Starts for RomaT_8:

(Start: 150 @6248 has 7 MA's), (Start: 187 @6176 has 371 MA's), (233, 6095), (254, 6068), (268, 6029), (280, 5996), (284, 5984), (340, 5831), (351, 5789), (365, 5756), (376, 5723), (399, 5672), (409, 5645),

Gene: Romm_63 Start: 42530, Stop: 41967, Start Num: 193

Candidate Starts for Romm_63:

(Start: 193 @42530 has 44 MA's), (266, 42386), (315, 42248), (352, 42131), (354, 42122), (381, 42053), (409, 41990),

Gene: Roscoe_7 Start: 4153, Stop: 3599, Start Num: 187

Candidate Starts for Roscoe_7:

(Start: 187 @4153 has 371 MA's), (203, 4108), (208, 4099), (268, 4003), (295, 3928), (308, 3892), (312, 3886), (352, 3757), (354, 3748),

Gene: Rowlf_50 Start: 41057, Stop: 40485, Start Num: 193

Candidate Starts for Rowlf_50:

(74, 41321), (154, 41117), (Start: 193 @41057 has 44 MA's), (220, 40991), (285, 40853), (288, 40844), (293, 40826), (331, 40718), (336, 40703), (339, 40694), (351, 40649), (354, 40637), (383, 40562), (400, 40532), (409, 40508),

Gene: Roy17_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Roy17_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: RubyRalph_59 Start: 44213, Stop: 43635, Start Num: 193

Candidate Starts for RubyRalph_59:

(56, 44576), (Start: 193 @44213 has 44 MA's), (231, 44132), (249, 44108), (276, 44036), (288, 44000), (297, 43967), (332, 43871), (334, 43865), (339, 43850), (352, 43799), (409, 43658), (411, 43646),

Gene: Rudy_51 Start: 41145, Stop: 40567, Start Num: 193

Candidate Starts for Rudy_51:

(80, 41388), (141, 41226), (Start: 193 @41145 has 44 MA's), (252, 41034), (288, 40929), (326, 40824), (339, 40779), (341, 40773), (351, 40734), (356, 40719), (377, 40665), (409, 40590),

Gene: Ruriko_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Ruriko_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: SCentae_177 Start: 130499, Stop: 131071, Start Num: 212

Candidate Starts for SCentae_177:

(43, 129986), (146, 130343), (148, 130346), (Start: 212 @130499 has 15 MA's), (232, 130553), (237, 130556), (272, 130631), (277, 130649), (308, 130739), (334, 130811), (351, 130871), (413, 131036), (415, 131042),

Gene: SDcharge11_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for SDcharge11_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Sabella_9 Start: 6474, Stop: 7049, Start Num: 187

Candidate Starts for Sabella_9:

(117, 6339), (Start: 129 @6357 has 3 MA's), (139, 6378), (Start: 140 @6381 has 1 MA's), (Start: 187 @6474 has 371 MA's), (Start: 209 @6531 has 1 MA's), (217, 6543), (228, 6561), (273, 6654), (276, 6663), (308, 6753), (310, 6756), (312, 6759), (325, 6795), (336, 6831), (339, 6840), (351, 6885), (352, 6888), (354, 6897), (378, 6957), (380, 6963), (381, 6966), (400, 7002), (409, 7026), (410, 7035),

Gene: SadLad_60 Start: 45067, Stop: 44489, Start Num: 193

Candidate Starts for SadLad_60:

(Start: 193 @45067 has 44 MA's), (231, 44986), (276, 44890), (288, 44854), (297, 44821), (332, 44725), (334, 44719), (339, 44704), (352, 44653), (409, 44512), (411, 44500),

Gene: Saguaro_9 Start: 7128, Stop: 6586, Start Num: 187

Candidate Starts for Saguaro_9:

(Start: 187 @7128 has 371 MA's), (268, 6987), (275, 6969), (277, 6963), (289, 6930), (293, 6921), (295, 6915), (312, 6873), (315, 6861), (319, 6849), (351, 6747), (352, 6744), (378, 6675), (380, 6669), (408, 6609),

Gene: Salete_60 Start: 48760, Stop: 49350, Start Num: 212

Candidate Starts for Salete_60:

(167, 48637), (Start: 212 @48760 has 15 MA's), (240, 48799), (245, 48811), (255, 48835), (261, 48862), (273, 48886), (284, 48919), (293, 48946), (294, 48949), (303, 48979), (318, 49018), (324, 49033), (333, 49060), (334, 49063), (358, 49153), (360, 49168), (362, 49174), (371, 49222), (379, 49252), (393, 49288),

Gene: SallyK_55 Start: 42264, Stop: 41689, Start Num: 188

Candidate Starts for SallyK_55:

(Start: 188 @42264 has 33 MA's), (220, 42195), (285, 42057), (288, 42048), (293, 42030), (331, 41922), (336, 41907), (339, 41898), (351, 41853), (354, 41841), (383, 41766), (400, 41736), (409, 41712),

Gene: Salvador_62 Start: 46631, Stop: 47230, Start Num: 185

Candidate Starts for Salvador_62:

(Start: 185 @46631 has 32 MA's), (334, 46946), (339, 46961), (351, 47006), (373, 47063), (378, 47078), (384, 47096), (387, 47105), (390, 47114), (397, 47135), (402, 47147), (420, 47213),

Gene: Samaymay_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Samaymay_6:

(Start: 187 @3915 has 371 MA's), (Start: 197 @3885 has 1 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Samba_75 Start: 48756, Stop: 49346, Start Num: 214

Candidate Starts for Samba_75:

(52, 48378), (73, 48474), (Start: 214 @48756 has 108 MA's), (297, 48978), (301, 48990), (303, 48996), (320, 49041), (328, 49059), (333, 49077), (334, 49080), (345, 49119), (346, 49122), (381, 49248),

Gene: Sampson_68 Start: 50154, Stop: 50801, Start Num: 186

Candidate Starts for Sampson_68:

(108, 49992), (111, 49998), (114, 50016), (162, 50103), (Start: 186 @50154 has 24 MA's), (216, 50232), (237, 50274), (241, 50280), (270, 50346), (279, 50364), (311, 50448), (315, 50463), (336, 50523), (339, 50532), (354, 50598), (358, 50607), (386, 50685), (402, 50712), (422, 50790),

Gene: Sanjuju_67 Start: 51907, Stop: 52545, Start Num: 184

Candidate Starts for Sanjuju_67:

(83, 51676), (93, 51700), (Start: 130 @51805 has 1 MA's), (Start: 153 @51853 has 1 MA's), (Start: 168 @51874 has 3 MA's), (Start: 184 @51907 has 47 MA's), (257, 52057), (296, 52147), (311, 52186), (315, 52201), (332, 52249), (334, 52255), (365, 52348), (384, 52429), (408, 52486),

Gene: Saronaya_68 Start: 50864, Stop: 51499, Start Num: 184

Candidate Starts for Saronaya_68:

(Start: 184 @50864 has 47 MA's), (296, 51101), (311, 51140), (315, 51155), (327, 51185), (329, 51194), (332, 51203), (365, 51302), (377, 51362), (391, 51401),

Gene: SassyCat97_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for SassyCat97_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Savbucketdawg_62 Start: 46938, Stop: 47537, Start Num: 185

Candidate Starts for Savbucketdawg_62:

(3, 45984), (5, 45990), (6, 45996), (7, 46002), (8, 46008), (13, 46032), (88, 46710), (Start: 185 @46938 has 32 MA's), (304, 47172), (339, 47268), (351, 47313), (373, 47370), (384, 47403), (387, 47412), (397, 47442), (402, 47454), (420, 47520),

Gene: Schadenfreude_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Schadenfreude_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Schiebel_51 Start: 36899, Stop: 37489, Start Num: 214

Candidate Starts for Schiebel_51:

(9, 36227), (10, 36230), (44, 36521), (63, 36650), (95, 36722), (148, 36845), (198, 36866), (199, 36872), (Start: 214 @36899 has 108 MA's), (235, 36947), (276, 37043), (286, 37070), (292, 37091), (294, 37097), (301, 37121), (333, 37208), (343, 37238), (348, 37271), (351, 37280), (367, 37319), (372, 37358), (381, 37385), (408, 37454),

Gene: SchottB_64 Start: 50477, Stop: 51112, Start Num: 186

Candidate Starts for SchottB_64:

(103, 50297), (145, 50399), (Start: 186 @50477 has 24 MA's), (257, 50624), (296, 50714), (311, 50753), (315, 50768), (331, 50813), (334, 50822), (351, 50882), (365, 50915), (391, 51014),

Gene: Scioto_67 Start: 50004, Stop: 50651, Start Num: 186

Candidate Starts for Scioto_67:

(108, 49842), (111, 49848), (114, 49866), (162, 49953), (Start: 186 @50004 has 24 MA's), (216, 50082), (237, 50124), (241, 50130), (270, 50196), (279, 50214), (311, 50298), (315, 50313), (336, 50373), (339, 50382), (354, 50448), (358, 50457), (386, 50535), (402, 50562), (422, 50640),

Gene: ScoobySnack_34 Start: 22377, Stop: 22949, Start Num: 200

Candidate Starts for ScoobySnack_34:

(112, 22176), (Start: 200 @22377 has 11 MA's), (Start: 214 @22407 has 108 MA's), (265, 22521), (277, 22548), (284, 22569), (298, 22611), (303, 22626), (307, 22638), (323, 22680), (349, 22767), (351, 22773), (354, 22785), (377, 22839),

Gene: Scoot17C_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Scoot17C_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Scrick_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Scrick_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514),

Gene: Sedona_67 Start: 52480, Stop: 53118, Start Num: 184

Candidate Starts for Sedona_67:

(83, 52249), (93, 52273), (Start: 130 @52378 has 1 MA's), (Start: 153 @52426 has 1 MA's), (Start: 168 @52447 has 3 MA's), (Start: 184 @52480 has 47 MA's), (257, 52630), (296, 52720), (311, 52759), (315, 52774), (332, 52822), (334, 52828), (365, 52921), (384, 53002), (408, 53059),

Gene: Selr12_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Selr12_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: Sendy_64 Start: 46939, Stop: 47538, Start Num: 185

Candidate Starts for Sendy_64:

(Start: 185 @46939 has 32 MA's), (304, 47173), (339, 47269), (351, 47314), (373, 47371), (384, 47404), (387, 47413), (397, 47443), (402, 47455), (411, 47491), (420, 47521),

Gene: Serendipitous_8 Start: 6269, Stop: 5706, Start Num: 188

Candidate Starts for Serendipitous_8:

(Start: 188 @6269 has 33 MA's), (268, 6113), (295, 6035), (312, 5993), (319, 5969), (329, 5942), (333, 5930), (351, 5867), (354, 5855), (367, 5828), (393, 5756), (400, 5750),

Gene: Serendipity_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Serendipity_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Serpentine_006 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Serpentine_006:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: ShaboiShabazz_50 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for ShaboiShabazz_50:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: ShadowBud_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for ShadowBud_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: SharkTale_70 Start: 50455, Stop: 51051, Start Num: 187

Candidate Starts for SharkTale_70:

(85, 50215), (120, 50326), (127, 50335), (164, 50404), (Start: 187 @50455 has 371 MA's), (191, 50464), (329, 50752), (339, 50782), (351, 50827), (373, 50884), (378, 50899), (384, 50917), (387, 50926), (396, 50950), (397, 50956), (420, 51034),

Gene: Shatter_6 Start: 4904, Stop: 4362, Start Num: 187

Candidate Starts for Shatter_6:

(33, 5378), (58, 5207), (Start: 187 @4904 has 371 MA's), (208, 4850), (247, 4811), (293, 4697), (341, 4565), (351, 4526), (354, 4514), (356, 4511), (367, 4487), (376, 4460), (401, 4406), (409, 4382),

Gene: Sheila_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Sheila_6:

(Start: 187 @3916 has 371 MA's), (Start: 197 @3886 has 1 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Shenandoah_8 Start: 5414, Stop: 4863, Start Num: 187

Candidate Starts for Shenandoah_8:

(Start: 147 @5489 has 4 MA's), (160, 5471), (Start: 187 @5414 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: Shenyu_8 Start: 6203, Stop: 5640, Start Num: 188

Candidate Starts for Shenyu_8:

(Start: 188 @6203 has 33 MA's), (Start: 210 @6146 has 1 MA's), (268, 6047), (295, 5969), (312, 5927), (319, 5903), (333, 5864), (351, 5801), (352, 5798), (354, 5789), (367, 5762), (393, 5690), (400, 5684), (408, 5663), (410, 5651),

Gene: ShiVal_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for ShiVal_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Shinji_62 Start: 46801, Stop: 47400, Start Num: 185

Candidate Starts for Shinji_62:

(Start: 185 @46801 has 32 MA's), (334, 47116), (339, 47131), (351, 47176), (373, 47233), (384, 47266), (385, 47269), (387, 47275), (397, 47305), (402, 47317), (411, 47353), (420, 47383),

Gene: Shivanishola_68 Start: 50210, Stop: 50848, Start Num: 184

Candidate Starts for Shivanishola_68:

(Start: 184 @50210 has 47 MA's), (257, 50360), (296, 50450), (311, 50489), (315, 50504), (332, 50552), (334, 50558), (351, 50618), (365, 50651), (384, 50732), (408, 50789),

Gene: Sigman_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Sigman_6:

(Start: 187 @3915 has 371 MA's), (Start: 197 @3885 has 1 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Sillytadpoles_54 Start: 40982, Stop: 40404, Start Num: 193

Candidate Starts for Sillytadpoles_54:

(80, 41225), (141, 41063), (Start: 193 @40982 has 44 MA's), (252, 40871), (288, 40766), (326, 40661), (339, 40616), (341, 40610), (351, 40571), (356, 40556), (377, 40502), (409, 40427),

Gene: SilverBell_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for SilverBell_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Simielle_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Simielle_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: SirJeffery_8 Start: 6217, Stop: 5651, Start Num: 188

Candidate Starts for SirJeffery_8:

(Start: 188 @6217 has 33 MA's), (Start: 210 @6160 has 1 MA's), (268, 6058), (295, 5980), (312, 5938), (319, 5914), (329, 5887), (333, 5875), (354, 5800), (367, 5773), (393, 5701), (400, 5695),

Gene: Sisko_5 Start: 4711, Stop: 4184, Start Num: 187

Candidate Starts for Sisko_5:

(Start: 187 @4711 has 371 MA's), (239, 4636), (322, 4441), (324, 4438), (331, 4417), (339, 4393), (341, 4387), (351, 4348), (356, 4333), (365, 4315), (377, 4279), (381, 4267), (409, 4204),

Gene: Sitar_68 Start: 52372, Stop: 53043, Start Num: 168

Candidate Starts for Sitar_68:

(83, 52174), (93, 52198), (Start: 130 @52303 has 1 MA's), (Start: 153 @52351 has 1 MA's), (Start: 168 @52372 has 3 MA's), (Start: 184 @52405 has 47 MA's), (257, 52555), (296, 52645), (311, 52684), (315, 52699), (332, 52747), (334, 52753), (365, 52846), (384, 52927), (408, 52984),

Gene: Sixsevenium_66 Start: 48694, Stop: 49326, Start Num: 185

Candidate Starts for Sixsevenium_66:

(Start: 185 @48694 has 32 MA's), (329, 49027), (339, 49057), (349, 49096), (358, 49123), (384, 49192), (385, 49195), (387, 49201), (397, 49231), (402, 49243), (411, 49279), (420, 49309),

Gene: Sizemore_51 Start: 36900, Stop: 37490, Start Num: 214

Candidate Starts for Sizemore_51:

(9, 36228), (10, 36231), (44, 36522), (63, 36651), (95, 36723), (148, 36846), (198, 36867), (199, 36873), (Start: 214 @36900 has 108 MA's), (235, 36948), (276, 37044), (286, 37071), (292, 37092), (294, 37098), (301, 37122), (333, 37209), (343, 37239), (348, 37272), (351, 37281), (367, 37320), (372, 37359), (381, 37386), (408, 37455),

Gene: Skippy_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Skippy_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Skog_10 Start: 6857, Stop: 7429, Start Num: 212

Candidate Starts for Skog_10:

(Start: 212 @6857 has 15 MA's), (250, 6938), (272, 6989), (290, 7049), (308, 7097), (334, 7169), (351, 7229), (352, 7232), (413, 7394),

Gene: Slatt_6 Start: 3920, Stop: 3366, Start Num: 187

Candidate Starts for Slatt_6:

(Start: 187 @3920 has 371 MA's), (Start: 197 @3890 has 1 MA's), (203, 3875), (268, 3770), (295, 3695), (308, 3659), (312, 3653), (352, 3524), (354, 3515), (403, 3404),

Gene: SlippinJimmy_8 Start: 6176, Stop: 5625, Start Num: 187

Candidate Starts for SlippinJimmy_8:

(Start: 147 @6251 has 4 MA's), (160, 6233), (Start: 187 @6176 has 371 MA's), (233, 6095), (254, 6068), (268, 6029), (280, 5996), (284, 5984), (340, 5831), (351, 5789), (365, 5756), (376, 5723), (399, 5672), (409, 5645),

Gene: SlySloth_56 Start: 41701, Stop: 41129, Start Num: 193

Candidate Starts for SlySloth_56:

(89, 41926), (154, 41761), (Start: 193 @41701 has 44 MA's), (220, 41635), (285, 41497), (288, 41488), (293, 41470), (331, 41362), (336, 41347), (339, 41338), (351, 41293), (354, 41281), (383, 41206), (400, 41176), (409, 41152),

Gene: SmokingBunny_63 Start: 47232, Stop: 47831, Start Num: 185

Candidate Starts for SmokingBunny_63:

(3, 46362), (5, 46368), (6, 46374), (7, 46380), (8, 46386), (88, 47004), (Start: 185 @47232 has 32 MA's), (304, 47466), (339, 47562), (351, 47607), (373, 47664), (384, 47697), (387, 47706), (397, 47736), (402, 47748), (411, 47784), (420, 47814),

Gene: Sneeze_52 Start: 37052, Stop: 37639, Start Num: 196

Candidate Starts for Sneeze_52:

(17, 36563), (20, 36605), (22, 36641), (95, 36974), (Start: 196 @37052 has 4 MA's), (276, 37196), (292, 37244), (294, 37250), (301, 37274), (333, 37361), (348, 37424), (351, 37433), (372, 37508), (381, 37535),

Gene: Soile_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Soile_6:

(Start: 187 @3917 has 371 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Soilmate_79 Start: 51274, Stop: 51864, Start Num: 214

Candidate Starts for Soilmate_79:

(Start: 214 @51274 has 108 MA's), (284, 51451), (297, 51496), (301, 51508), (303, 51514), (320, 51559), (328, 51577), (333, 51595), (334, 51598), (345, 51637), (346, 51640), (381, 51766), (409, 51838),

Gene: Solosis_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Solosis_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Sophia_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Sophia_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Soto_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Soto_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Sour_9 Start: 6563, Stop: 6030, Start Num: 187

Candidate Starts for Sour_9:

(Start: 187 @6563 has 371 MA's), (293, 6371), (294, 6368), (339, 6242), (341, 6236), (350, 6200), (351, 6197), (354, 6185), (376, 6131), (377, 6128),

Gene: Spartan300_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Spartan300_6:

(Start: 187 @3915 has 371 MA's), (Start: 197 @3885 has 1 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Squash_56 Start: 41774, Stop: 41202, Start Num: 193

Candidate Starts for Squash_56:

(57, 42089), (96, 41972), (154, 41834), (Start: 193 @41774 has 44 MA's), (220, 41708), (285, 41570), (288, 41561), (293, 41543), (331, 41435), (336, 41420), (339, 41411), (351, 41366), (354, 41354), (383, 41279), (400, 41249), (409, 41225),

Gene: Squid_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Squid_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Squiggle_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Squiggle_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: StAugustine_12 Start: 8920, Stop: 8363, Start Num: 179

Candidate Starts for StAugustine_12:

(Start: 179 @8920 has 2 MA's), (203, 8866), (Start: 210 @8851 has 1 MA's), (268, 8764), (280, 8731), (297, 8686), (304, 8671), (340, 8569), (351, 8527), (408, 8386), (409, 8383),

Gene: Stargaze_52 Start: 38445, Stop: 39032, Start Num: 214

Candidate Starts for Stargaze_52:

(82, 38190), (198, 38406), (Start: 214 @38445 has 108 MA's), (235, 38493), (279, 38598), (293, 38640), (294, 38643), (332, 38751), (348, 38817), (349, 38820), (351, 38826), (372, 38901), (381, 38928),

Gene: Statler_55 Start: 41776, Stop: 41204, Start Num: 193

Candidate Starts for Statler_55:

(89, 42001), (154, 41836), (Start: 193 @41776 has 44 MA's), (220, 41710), (285, 41572), (288, 41563), (293, 41545), (331, 41437), (336, 41422), (339, 41413), (351, 41368), (354, 41356), (383, 41281), (400, 41251), (409, 41227),

Gene: Stichling_63 Start: 49536, Stop: 50171, Start Num: 186

Candidate Starts for Stichling_63:

(145, 49458), (Start: 186 @49536 has 24 MA's), (257, 49683), (296, 49773), (311, 49812), (315, 49827), (331, 49872), (334, 49881), (351, 49941), (365, 49974), (377, 50034), (391, 50073),

Gene: Stinger_5 Start: 4681, Stop: 4121, Start Num: 188

Candidate Starts for Stinger_5:

(Start: 188 @4681 has 33 MA's), (268, 4525), (273, 4513), (280, 4492), (293, 4456), (308, 4414), (312, 4408), (329, 4357), (331, 4351), (351, 4282), (376, 4216), (377, 4213), (381, 4201), (382, 4198), (408, 4144),

Gene: StinkyVeggy_8 Start: 6203, Stop: 5637, Start Num: 188

Candidate Starts for StinkyVeggy_8:

(25, 6839), (28, 6767), (31, 6701), (128, 6317), (154, 6263), (159, 6257), (Start: 176 @6227 has 1 MA's), (Start: 188 @6203 has 33 MA's), (268, 6044), (295, 5966), (312, 5924), (319, 5900), (329, 5873), (351, 5798), (352, 5795), (393, 5687), (400, 5681), (408, 5660), (410, 5648),

Gene: StorminNorm_67 Start: 50648, Stop: 51283, Start Num: 184

Candidate Starts for StorminNorm_67:

(Start: 184 @50648 has 47 MA's), (296, 50885), (311, 50924), (315, 50939), (327, 50969), (329, 50978), (332, 50987), (365, 51086), (377, 51146), (391, 51185),

Gene: StrawberryJamm_57 Start: 41442, Stop: 40867, Start Num: 188

Candidate Starts for StrawberryJamm_57:

(Start: 188 @41442 has 33 MA's), (220, 41373), (285, 41235), (288, 41226), (293, 41208), (331, 41100), (336, 41085), (339, 41076), (351, 41031), (354, 41019), (383, 40944), (400, 40914), (409, 40890),

Gene: Struggle_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Struggle_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Stultus_64 Start: 50652, Stop: 51290, Start Num: 184

Candidate Starts for Stultus_64:

(83, 50421), (93, 50445), (Start: 130 @50550 has 1 MA's), (Start: 153 @50598 has 1 MA's), (Start: 168 @50619 has 3 MA's), (Start: 184 @50652 has 47 MA's), (223, 50736), (257, 50802), (296, 50892), (311, 50931), (315, 50946), (332, 50994), (334, 51000), (365, 51093), (384, 51174), (408, 51231),

Gene: Suffolk_6 Start: 3917, Stop: 3363, Start Num: 187

Candidate Starts for Suffolk_6:

(Start: 187 @3917 has 371 MA's), (Start: 197 @3887 has 1 MA's), (203, 3872), (208, 3863), (268, 3767), (295, 3692), (308, 3656), (312, 3650), (352, 3521), (354, 3512), (403, 3401),

Gene: Suigeneris_8 Start: 6217, Stop: 5651, Start Num: 188

Candidate Starts for Suigeneris_8:

(Start: 188 @6217 has 33 MA's), (Start: 210 @6160 has 1 MA's), (268, 6058), (295, 5980), (312, 5938), (319, 5914), (329, 5887), (333, 5875), (354, 5800), (367, 5773), (393, 5701), (400, 5695),

Gene: Sunfish_68 Start: 44153, Stop: 43554, Start Num: 226

Candidate Starts for Sunfish_68:

(Start: 226 @44153 has 1 MA's), (267, 44057), (282, 44021), (300, 43964), (303, 43955), (309, 43940), (324, 43898), (342, 43844), (343, 43835), (347, 43808), (364, 43748), (366, 43739), (369, 43718),

(376, 43685), (381, 43670), (390, 43643), (402, 43631),

Gene: Surely_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Surely_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: SwainyDoc_8 Start: 5411, Stop: 4860, Start Num: 187

Candidate Starts for SwainyDoc_8:

(Start: 150 @5483 has 7 MA's), (Start: 187 @5411 has 371 MA's), (233, 5330), (254, 5303), (268, 5264), (280, 5231), (284, 5219), (340, 5066), (351, 5024), (365, 4991), (376, 4958), (399, 4907), (409, 4880),

Gene: Sweets_50 Start: 36909, Stop: 37499, Start Num: 214

Candidate Starts for Sweets_50:

(9, 36237), (10, 36240), (44, 36531), (63, 36660), (95, 36732), (148, 36855), (198, 36876), (199, 36882), (Start: 214 @36909 has 108 MA's), (235, 36957), (276, 37053), (286, 37080), (292, 37101), (294, 37107), (301, 37131), (333, 37218), (343, 37248), (348, 37281), (351, 37290), (367, 37329), (372, 37368), (381, 37395), (408, 37464),

Gene: Swish_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Swish_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: SynergyX_8 Start: 5414, Stop: 4863, Start Num: 187

Candidate Starts for SynergyX_8:

(Start: 150 @5486 has 7 MA's), (Start: 187 @5414 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: TA17A_9 Start: 6357, Stop: 7049, Start Num: 129

Candidate Starts for TA17A_9:

(117, 6339), (Start: 129 @6357 has 3 MA's), (139, 6378), (Start: 140 @6381 has 1 MA's), (Start: 187 @6474 has 371 MA's), (Start: 209 @6531 has 1 MA's), (217, 6543), (228, 6561), (273, 6654), (276, 6663), (308, 6753), (310, 6756), (312, 6759), (325, 6795), (336, 6831), (339, 6840), (351, 6885), (352, 6888), (354, 6897), (378, 6957), (380, 6963), (381, 6966), (400, 7002), (409, 7026), (410, 7035),

Gene: TP1604_60 Start: 48765, Stop: 49355, Start Num: 212

Candidate Starts for TP1604_60:

(Start: 212 @48765 has 15 MA's), (245, 48816), (255, 48840), (261, 48867), (273, 48891), (284, 48924), (293, 48951), (294, 48954), (303, 48984), (318, 49023), (324, 49038), (333, 49065), (334, 49068), (358, 49158), (360, 49173), (362, 49179), (371, 49227), (379, 49257), (393, 49293),

Gene: TPA2_15 Start: 7500, Stop: 6925, Start Num: 197

Candidate Starts for TPA2_15:

(Start: 197 @7500 has 1 MA's), (203, 7488), (220, 7449), (227, 7440), (237, 7422), (259, 7380), (288, 7302), (292, 7287), (294, 7281), (295, 7278), (352, 7107), (372, 7056), (376, 7044), (409, 6972), (417, 6948), (419, 6936),

Gene: Taheera_49 Start: 36701, Stop: 37288, Start Num: 196

Candidate Starts for Taheera_49:

(Start: 196 @36701 has 4 MA's), (276, 36845), (292, 36893), (294, 36899), (301, 36923), (333, 37010), (348, 37073), (351, 37082), (372, 37157), (381, 37184),

Gene: TallGrassMM_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for TallGrassMM_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Tangent_71 Start: 51275, Stop: 51913, Start Num: 184

Candidate Starts for Tangent_71:

(Start: 184 @51275 has 47 MA's), (257, 51425), (294, 51506), (296, 51515), (311, 51554), (315, 51569), (332, 51617), (365, 51716), (384, 51797), (408, 51854),

Gene: Tangerine_67 Start: 50157, Stop: 50792, Start Num: 184

Candidate Starts for Tangerine_67:

(Start: 184 @50157 has 47 MA's), (296, 50394), (311, 50433), (315, 50448), (327, 50478), (329, 50487), (332, 50496), (365, 50595), (391, 50694),

Gene: Tardus_66 Start: 50008, Stop: 50655, Start Num: 186

Candidate Starts for Tardus_66:

(Start: 186 @50008 has 24 MA's), (216, 50086), (237, 50128), (241, 50134), (270, 50200), (311, 50302), (315, 50317), (320, 50332), (336, 50377), (339, 50386), (354, 50452), (358, 50461), (386, 50539), (422, 50644),

Gene: Teehee_54 Start: 42215, Stop: 41637, Start Num: 193

Candidate Starts for Teehee_54:

(80, 42458), (141, 42296), (Start: 193 @42215 has 44 MA's), (252, 42104), (288, 41999), (326, 41894), (339, 41849), (341, 41843), (351, 41804), (356, 41789), (377, 41735), (409, 41660),

Gene: Telesworld_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Telesworld_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Tempo_61 Start: 42398, Stop: 41835, Start Num: 193

Candidate Starts for Tempo_61:

(Start: 193 @42398 has 44 MA's), (266, 42254), (352, 41999), (354, 41990), (381, 41921), (409, 41858),

Gene: Terror_49 Start: 36701, Stop: 37288, Start Num: 196

Candidate Starts for Terror_49:

(Start: 196 @36701 has 4 MA's), (276, 36845), (292, 36893), (294, 36899), (301, 36923), (333, 37010), (348, 37073), (351, 37082), (372, 37157), (381, 37184),

Gene: Thing3_67 Start: 51068, Stop: 51706, Start Num: 184

Candidate Starts for Thing3_67:

(Start: 184 @51068 has 47 MA's), (257, 51218), (294, 51299), (296, 51308), (311, 51347), (315, 51362), (332, 51410), (365, 51509), (384, 51590), (408, 51647),

Gene: Thonko_3 Start: 2519, Stop: 1968, Start Num: 187

Candidate Starts for Thonko_3:

(Start: 187 @2519 has 371 MA's), (268, 2369), (313, 2252), (351, 2129), (352, 2126), (408, 1991),

Gene: Thora_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Thora_6:

(Start: 187 @3915 has 371 MA's), (Start: 197 @3885 has 1 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: ThreeOh3D2_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for ThreeOh3D2_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Tiamoceli_62 Start: 46644, Stop: 47270, Start Num: 186

Candidate Starts for Tiamoceli_62:

(Start: 186 @46644 has 24 MA's), (208, 46701), (247, 46785), (280, 46857), (293, 46887), (328, 46986), (354, 47088), (377, 47148), (402, 47202), (406, 47217),

Gene: TillyBobJoe_63 Start: 47091, Stop: 47690, Start Num: 185

Candidate Starts for TillyBobJoe_63:

(3, 46149), (5, 46155), (6, 46161), (7, 46167), (8, 46173), (13, 46197), (21, 46320), (35, 46635), (88, 46863), (Start: 185 @47091 has 32 MA's), (334, 47406), (339, 47421), (351, 47466), (373, 47523), (384, 47556), (387, 47565), (397, 47595), (402, 47607), (411, 47643), (420, 47673),

Gene: Timmi_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Timmi_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: TinaBug_51 Start: 36909, Stop: 37499, Start Num: 214

Candidate Starts for TinaBug_51:

(9, 36237), (10, 36240), (44, 36531), (63, 36660), (95, 36732), (148, 36855), (198, 36876), (199, 36882), (Start: 214 @36909 has 108 MA's), (235, 36957), (276, 37053), (286, 37080), (292, 37101), (294, 37107), (301, 37131), (333, 37218), (343, 37248), (348, 37281), (351, 37290), (367, 37329), (372, 37368), (381, 37395), (408, 37464),

Gene: Tinciduntolum_10 Start: 6590, Stop: 7165, Start Num: 187

Candidate Starts for Tinciduntolum_10:

(117, 6455), (Start: 129 @6473 has 3 MA's), (139, 6494), (Start: 140 @6497 has 1 MA's), (Start: 187 @6590 has 371 MA's), (Start: 209 @6647 has 1 MA's), (217, 6659), (228, 6677), (273, 6770), (276, 6779), (308, 6869), (310, 6872), (312, 6875), (325, 6911), (336, 6947), (339, 6956), (351, 7001), (352, 7004), (354, 7013), (378, 7073), (380, 7079), (381, 7082), (400, 7118), (409, 7142), (410, 7151),

Gene: TinyTerror_8 Start: 5417, Stop: 4866, Start Num: 187

Candidate Starts for TinyTerror_8:

(Start: 147 @5492 has 4 MA's), (160, 5474), (Start: 187 @5417 has 371 MA's), (233, 5336), (254, 5309), (268, 5270), (280, 5237), (284, 5225), (340, 5072), (351, 5030), (365, 4997), (376, 4964), (399, 4913), (409, 4886),

Gene: Tissue_55 Start: 41854, Stop: 41282, Start Num: 193

Candidate Starts for Tissue_55:

(144, 41941), (Start: 193 @41854 has 44 MA's), (220, 41788), (285, 41650), (288, 41641), (293, 41623), (331, 41515), (336, 41500), (339, 41491), (351, 41446), (354, 41434), (383, 41359), (400, 41329), (409, 41305),

Gene: Toast_74 Start: 46525, Stop: 47115, Start Num: 214

Candidate Starts for Toast_74:

(Start: 214 @46525 has 108 MA's), (284, 46702), (294, 46735), (297, 46747), (301, 46759), (303, 46765), (320, 46810), (346, 46891), (381, 47017), (398, 47056),

Gene: Togo_62 Start: 47232, Stop: 47831, Start Num: 185

Candidate Starts for Togo_62:

(3, 46362), (5, 46368), (6, 46374), (7, 46380), (8, 46386), (88, 47004), (Start: 185 @47232 has 32 MA's), (304, 47466), (339, 47562), (351, 47607), (373, 47664), (384, 47697), (387, 47706), (397, 47736), (402, 47748), (411, 47784), (420, 47814),

Gene: TomBombadil_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for TomBombadil_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: TomBrady_51 Start: 36915, Stop: 37505, Start Num: 214

Candidate Starts for TomBrady_51:

(9, 36243), (10, 36246), (44, 36537), (63, 36666), (95, 36738), (148, 36861), (198, 36882), (199, 36888), (Start: 214 @36915 has 108 MA's), (235, 36963), (276, 37059), (286, 37086), (292, 37107), (294, 37113), (301, 37137), (333, 37224), (343, 37254), (348, 37287), (351, 37296), (367, 37335), (372, 37374), (381, 37401), (408, 37470),

Gene: Tomlarah_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Tomlarah_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513),

Gene: Toni_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Toni_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (208, 3865), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: TooFast2Furius_7 Start: 4153, Stop: 3599, Start Num: 187

Candidate Starts for TooFast2Furius_7:

(Start: 187 @4153 has 371 MA's), (203, 4108), (208, 4099), (268, 4003), (295, 3928), (308, 3892), (312, 3886), (352, 3757), (354, 3748), (403, 3637),

Gene: Tooj_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Tooj_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: TraderJ_8 Start: 6369, Stop: 5818, Start Num: 187

Candidate Starts for TraderJ_8:

(149, 6429), (159, 6414), (162, 6408), (Start: 187 @6369 has 371 MA's), (203, 6324), (206, 6318), (268, 6231), (275, 6213), (283, 6189), (293, 6162), (294, 6159), (295, 6156), (331, 6057), (354, 5976), (381, 5904), (388, 5883), (410, 5829),

Gene: Tres_9 Start: 6474, Stop: 7049, Start Num: 187

Candidate Starts for Tres_9:

(117, 6339), (Start: 129 @6357 has 3 MA's), (131, 6360), (137, 6372), (139, 6378), (Start: 187 @6474 has 371 MA's), (218, 6546), (234, 6573), (273, 6654), (276, 6663), (308, 6753), (310, 6756), (312, 6759), (325, 6795), (336, 6831), (339, 6840), (351, 6885), (352, 6888), (354, 6897), (378, 6957), (380,

6963), (381, 6966), (400, 7002), (409, 7026), (410, 7035),

Gene: Triad_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Triad_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: True_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for True_6:

(Start: 187 @3916 has 371 MA's), (Start: 197 @3886 has 1 MA's), (203, 3871), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Trypo_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Trypo_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Twister6_65 Start: 46992, Stop: 47591, Start Num: 185

Candidate Starts for Twister6_65:

(12, 46068), (14, 46077), (18, 46158), (88, 46764), (Start: 185 @46992 has 32 MA's), (304, 47226), (339, 47322), (351, 47367), (373, 47424), (384, 47457), (387, 47466), (397, 47496), (402, 47508), (411, 47544), (420, 47574),

Gene: Twonlo_60 Start: 45734, Stop: 46360, Start Num: 186

Candidate Starts for Twonlo_60:

(Start: 186 @45734 has 24 MA's), (208, 45791), (247, 45875), (280, 45947), (293, 45977), (328, 46076), (354, 46178), (377, 46238), (402, 46292), (406, 46307),

Gene: Tycho_65 Start: 49973, Stop: 50608, Start Num: 184

Candidate Starts for Tycho_65:

(Start: 184 @49973 has 47 MA's), (296, 50210), (311, 50249), (315, 50264), (327, 50294), (329, 50303), (332, 50312), (377, 50471), (391, 50510),

Gene: Tydolla_8 Start: 6251, Stop: 5625, Start Num: 147

Candidate Starts for Tydolla_8:

(Start: 147 @6251 has 4 MA's), (160, 6233), (Start: 187 @6176 has 371 MA's), (Start: 197 @6146 has 1 MA's), (233, 6095), (254, 6068), (268, 6029), (280, 5996), (284, 5984), (340, 5831), (351, 5789), (365, 5756), (376, 5723), (399, 5672), (409, 5645),

Gene: TyrionL_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for TyrionL_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: UAch1_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for UAch1_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: UmaThurman_76 Start: 46447, Stop: 47037, Start Num: 214

Candidate Starts for UmaThurman_76:

(Start: 214 @46447 has 108 MA's), (297, 46669), (301, 46681), (303, 46687), (320, 46732), (328, 46750), (333, 46768), (334, 46771), (345, 46810), (346, 46813), (381, 46939), (409, 47011),

Gene: UncleHowie_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for UncleHowie_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Usavi_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Usavi_6:

(Start: 187 @3915 has 371 MA's), (Start: 197 @3885 has 1 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Utz_66 Start: 46364, Stop: 46954, Start Num: 214

Candidate Starts for Utz_66:

(Start: 214 @46364 has 108 MA's), (297, 46586), (301, 46598), (303, 46604), (320, 46649), (328, 46667), (334, 46688), (346, 46730), (381, 46856), (409, 46928),

Gene: Vaishali24_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Vaishali24_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Valary_64 Start: 47836, Stop: 48438, Start Num: 185

Candidate Starts for Valary_64:

(Start: 185 @47836 has 32 MA's), (305, 48076), (334, 48154), (339, 48169), (351, 48214), (358, 48235), (384, 48304), (385, 48307), (387, 48313), (397, 48343), (402, 48355), (420, 48421),

Gene: ValentiniPuff_108 Start: 60343, Stop: 60918, Start Num: 222

Candidate Starts for ValentiniPuff_108:

(Start: 222 @60343 has 1 MA's), (245, 60385), (260, 60430), (276, 60463), (279, 60472), (287, 60493), (295, 60520), (338, 60643), (343, 60655), (348, 60688), (349, 60691), (352, 60700), (361, 60721), (371, 60772), (377, 60796), (382, 60811),

Gene: Valjean_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Valjean_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: VanDeWege_65 Start: 47176, Stop: 47778, Start Num: 185

Candidate Starts for VanDeWege_65:

(Start: 185 @47176 has 32 MA's), (305, 47416), (334, 47494), (339, 47509), (351, 47554), (358, 47575), (384, 47644), (385, 47647), (387, 47653), (397, 47683), (402, 47695), (420, 47761),

Gene: Vaticameos_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Vaticameos_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: Veritas_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Veritas_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Verity_65 Start: 50949, Stop: 51596, Start Num: 186

Candidate Starts for Verity_65:

(108, 50787), (111, 50793), (114, 50811), (162, 50898), (Start: 186 @50949 has 24 MA's), (216, 51027), (237, 51069), (241, 51075), (247, 51090), (270, 51141), (293, 51192), (315, 51258), (354, 51393), (358, 51402), (386, 51480), (402, 51507), (422, 51585),

Gene: ViaConlectus_65 Start: 48514, Stop: 49161, Start Num: 184

Candidate Starts for ViaConlectus_65:

(Start: 184 @48514 has 47 MA's), (216, 48592), (237, 48634), (241, 48640), (270, 48706), (311, 48808), (315, 48823), (336, 48883), (339, 48892), (354, 48958), (358, 48967), (386, 49045), (402, 49072), (422, 49150),

Gene: Vic9_00009 Start: 6917, Stop: 7492, Start Num: 187

Candidate Starts for Vic9_00009:

(117, 6782), (Start: 129 @6800 has 3 MA's), (131, 6803), (137, 6815), (139, 6821), (Start: 187 @6917 has 371 MA's), (218, 6989), (234, 7016), (273, 7097), (276, 7106), (308, 7196), (310, 7199), (312, 7202), (325, 7238), (336, 7274), (339, 7283), (351, 7328), (352, 7331), (354, 7340), (377, 7397), (378, 7400), (380, 7406), (381, 7409), (400, 7445), (409, 7469), (410, 7478),

Gene: Viceroy_52 Start: 41115, Stop: 40537, Start Num: 193

Candidate Starts for Viceroy_52:

(80, 41358), (141, 41196), (Start: 193 @41115 has 44 MA's), (252, 41004), (288, 40899), (326, 40794), (339, 40749), (341, 40743), (351, 40704), (356, 40689), (377, 40635), (409, 40560),

Gene: VioletZ_7 Start: 6243, Stop: 5680, Start Num: 188

Candidate Starts for VioletZ_7:

(Start: 153 @6303 has 1 MA's), (Start: 161 @6294 has 5 MA's), (Start: 183 @6252 has 13 MA's), (Start: 188 @6243 has 33 MA's), (268, 6087), (273, 6075), (293, 6015), (308, 5973), (312, 5967), (315, 5955), (333, 5904), (376, 5775), (377, 5772), (381, 5760), (382, 5757), (400, 5724), (408, 5703),

Gene: Violeta_39 Start: 22660, Stop: 23223, Start Num: 200

Candidate Starts for Violeta_39:

(Start: 200 @22660 has 11 MA's), (Start: 207 @22672 has 1 MA's), (Start: 214 @22690 has 108 MA's), (253, 22753), (265, 22795), (280, 22831), (281, 22834), (298, 22885), (303, 22900), (307, 22912), (319, 22945), (321, 22951), (349, 23041), (351, 23047), (354, 23059), (377, 23113),

Gene: Virapocalypse_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Virapocalypse_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Virgeve_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Virgeve_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Vista_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Vista_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (208, 3864), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Vivaldi_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Vivaldi_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: Vivi2_73 Start: 52330, Stop: 52968, Start Num: 184

Candidate Starts for Vivi2_73:

(Start: 184 @52330 has 47 MA's), (257, 52480), (296, 52570), (311, 52609), (315, 52624), (332, 52672), (334, 52678), (365, 52771), (384, 52852), (408, 52909),

Gene: Vortex_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Vortex_6:

(Start: 187 @3919 has 371 MA's), (Start: 197 @3889 has 1 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Waleliano_7 Start: 6243, Stop: 5680, Start Num: 188

Candidate Starts for Waleliano_7:

(Start: 153 @6303 has 1 MA's), (Start: 161 @6294 has 5 MA's), (Start: 183 @6252 has 13 MA's), (Start: 188 @6243 has 33 MA's), (268, 6087), (273, 6075), (293, 6015), (308, 5973), (312, 5967), (315, 5955), (323, 5934), (333, 5904), (365, 5808), (376, 5775), (377, 5772), (381, 5760), (382, 5757), (400, 5724), (408, 5703),

Gene: Wallhey_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Wallhey_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Walrus_73 Start: 47019, Stop: 47603, Start Num: 214

Candidate Starts for Walrus_73:

(205, 47004), (Start: 214 @47019 has 108 MA's), (243, 47085), (250, 47100), (277, 47172), (293, 47223), (294, 47226), (295, 47229), (311, 47268), (317, 47289), (345, 47376), (364, 47427), (368, 47436), (381, 47496),

Gene: Warren_37 Start: 22612, Stop: 23184, Start Num: 200

Candidate Starts for Warren_37:

(Start: 200 @22612 has 11 MA's), (Start: 214 @22642 has 108 MA's), (265, 22756), (277, 22783), (284, 22804), (298, 22846), (303, 22861), (307, 22873), (323, 22915), (349, 23002), (351, 23008), (354, 23020), (377, 23074),

Gene: Waterdiva_6 Start: 3919, Stop: 3365, Start Num: 187

Candidate Starts for Waterdiva_6:

(Start: 187 @3919 has 371 MA's), (203, 3874), (268, 3769), (295, 3694), (308, 3658), (312, 3652), (352, 3523), (354, 3514), (403, 3403),

Gene: Wayne3_55 Start: 41978, Stop: 41400, Start Num: 193

Candidate Starts for Wayne3_55:

(80, 42221), (141, 42059), (Start: 193 @41978 has 44 MA's), (252, 41867), (288, 41762), (326, 41657), (339, 41612), (341, 41606), (351, 41567), (356, 41552), (377, 41498), (409, 41423),

Gene: Weher20_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for Weher20_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510),

Gene: Wendigo_51 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Wendigo_51:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: West99_9 Start: 6591, Stop: 7166, Start Num: 187

Candidate Starts for West99_9:

(117, 6456), (Start: 129 @6474 has 3 MA's), (139, 6495), (Start: 140 @6498 has 1 MA's), (Start: 187 @6591 has 371 MA's), (Start: 209 @6648 has 1 MA's), (217, 6660), (228, 6678), (273, 6771), (276, 6780), (308, 6870), (310, 6873), (312, 6876), (325, 6912), (336, 6948), (339, 6957), (351, 7002), (352, 7005), (354, 7014), (378, 7074), (380, 7080), (381, 7083), (400, 7119), (409, 7143), (410, 7152),

Gene: WheelerS25_60 Start: 42747, Stop: 42172, Start Num: 188

Candidate Starts for WheelerS25_60:

(Start: 188 @42747 has 33 MA's), (220, 42678), (285, 42540), (288, 42531), (293, 42513), (331, 42405), (336, 42390), (339, 42381), (351, 42336), (354, 42324), (383, 42249), (400, 42219), (409, 42195),

Gene: Wheelie_53 Start: 41299, Stop: 40721, Start Num: 193

Candidate Starts for Wheelie_53:

(80, 41542), (141, 41380), (Start: 193 @41299 has 44 MA's), (252, 41188), (288, 41083), (326, 40978), (339, 40933), (341, 40927), (351, 40888), (356, 40873), (377, 40819), (409, 40744),

Gene: Wilca_61 Start: 42242, Stop: 41679, Start Num: 193

Candidate Starts for Wilca_61:

(162, 42308), (166, 42299), (Start: 193 @42242 has 44 MA's), (293, 42020), (351, 41846), (352, 41843), (354, 41834), (381, 41765), (409, 41702),

Gene: William_77 Start: 47824, Stop: 48414, Start Num: 214

Candidate Starts for William_77:

(27, 47206), (60, 47485), (84, 47560), (Start: 214 @47824 has 108 MA's), (297, 48046), (301, 48058), (303, 48064), (320, 48109), (333, 48145), (334, 48148), (346, 48190), (381, 48316),

Gene: Winchester007_53 Start: 28680, Stop: 29243, Start Num: 200

Candidate Starts for Winchester007_53:

(Start: 200 @28680 has 11 MA's), (Start: 207 @28692 has 1 MA's), (Start: 214 @28710 has 108 MA's), (253, 28773), (265, 28815), (280, 28851), (281, 28854), (298, 28905), (303, 28920), (307, 28932), (319, 28965), (321, 28971), (349, 29061), (351, 29067), (354, 29079), (377, 29133), (386, 29160),

Gene: Windsor_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Windsor_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (208, 3862), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511),

Gene: Wisp_73 Start: 46479, Stop: 47069, Start Num: 214

Candidate Starts for Wisp_73:

(Start: 214 @46479 has 108 MA's), (297, 46701), (301, 46713), (303, 46719), (328, 46782), (333, 46800), (334, 46803), (345, 46842), (346, 46845), (381, 46971), (409, 47043),

Gene: Wizard_61 Start: 47082, Stop: 47684, Start Num: 185

Candidate Starts for Wizard_61:

(Start: 185 @47082 has 32 MA's), (305, 47322), (334, 47400), (339, 47415), (351, 47460), (358, 47481), (384, 47550), (385, 47553), (387, 47559), (397, 47589), (402, 47601), (420, 47667),

Gene: Wocket_74 Start: 46904, Stop: 47488, Start Num: 214

Candidate Starts for Wocket_74:

(Start: 214 @46904 has 108 MA's), (250, 46985), (277, 47057), (294, 47111), (295, 47114), (311, 47153), (317, 47174), (357, 47300), (364, 47312), (368, 47321), (381, 47381),

Gene: Wooper_8 Start: 6372, Stop: 5821, Start Num: 187

Candidate Starts for Wooper_8:

(149, 6432), (159, 6417), (162, 6411), (Start: 187 @6372 has 371 MA's), (203, 6327), (206, 6321), (268, 6234), (275, 6216), (283, 6192), (293, 6165), (294, 6162), (295, 6159), (331, 6060), (354, 5979), (381, 5907), (388, 5886), (410, 5832),

Gene: Xavier_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Xavier_6:

(Start: 187 @3918 has 371 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Xkcd426_61 Start: 53906, Stop: 54505, Start Num: 212

Candidate Starts for Xkcd426_61:

(123, 53699), (Start: 212 @53906 has 15 MA's), (216, 53921), (245, 53981), (273, 54056), (277, 54068), (333, 54233), (348, 54296), (361, 54344), (362, 54347), (367, 54368), (371, 54395), (374, 54410), (395, 54467),

Gene: YDN12_59 Start: 47595, Stop: 48179, Start Num: 212

Candidate Starts for YDN12_59:

(167, 47472), (Start: 212 @47595 has 15 MA's), (245, 47646), (255, 47670), (261, 47697), (273, 47721), (280, 47742), (293, 47781), (303, 47814), (318, 47853), (324, 47868), (334, 47898), (348, 47958), (349, 47961), (358, 47988), (361, 48006), (362, 48009), (367, 48030), (371, 48057), (393, 48123),

Gene: Yago84_5 Start: 4720, Stop: 4193, Start Num: 187

Candidate Starts for Yago84_5:

(Start: 187 @4720 has 371 MA's), (239, 4645), (322, 4450), (324, 4447), (331, 4426), (339, 4402), (341, 4396), (351, 4357), (356, 4342), (365, 4324), (377, 4288), (381, 4276), (409, 4213),

Gene: Yahalom_8 Start: 5486, Stop: 4863, Start Num: 150

Candidate Starts for Yahalom_8:

(Start: 150 @5486 has 7 MA's), (Start: 187 @5414 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: YangYin_52 Start: 38427, Stop: 39053, Start Num: 198

Candidate Starts for YangYin_52:

(82, 38211), (198, 38427), (Start: 214 @38466 has 108 MA's), (235, 38514), (279, 38619), (293, 38661), (294, 38664), (332, 38772), (348, 38838), (349, 38841), (351, 38847), (372, 38922), (381, 38949),

Gene: Yeshua_8 Start: 6376, Stop: 5825, Start Num: 187

Candidate Starts for Yeshua_8:

(114, 6502), (119, 6493), (134, 6472), (149, 6436), (159, 6421), (162, 6415), (Start: 187 @6376 has 371 MA's), (203, 6331), (206, 6325), (268, 6238), (275, 6220), (283, 6196), (293, 6169), (294, 6166),

(295, 6163), (354, 5983), (381, 5911), (388, 5890), (410, 5836),

Gene: Yinz_8 Start: 5441, Stop: 4863, Start Num: 187

Candidate Starts for Yinz_8:

(Start: 147 @5516 has 4 MA's), (160, 5498), (Start: 187 @5441 has 371 MA's), (233, 5333), (254, 5306), (268, 5267), (280, 5234), (284, 5222), (340, 5069), (351, 5027), (365, 4994), (376, 4961), (399, 4910), (409, 4883),

Gene: YorkOnyx_68 Start: 50153, Stop: 50788, Start Num: 184

Candidate Starts for YorkOnyx_68:

(Start: 184 @50153 has 47 MA's), (257, 50300), (296, 50390), (311, 50429), (315, 50444), (331, 50489), (334, 50498), (351, 50558), (365, 50591), (391, 50690),

Gene: Yoshand_6 Start: 3916, Stop: 3362, Start Num: 187

Candidate Starts for Yoshand_6:

(Start: 187 @3916 has 371 MA's), (203, 3871), (268, 3766), (295, 3691), (308, 3655), (312, 3649), (352, 3520), (354, 3511), (403, 3400),

Gene: YouGoGlencoco_6 Start: 3915, Stop: 3361, Start Num: 187

Candidate Starts for YouGoGlencoco_6:

(Start: 187 @3915 has 371 MA's), (203, 3870), (208, 3861), (268, 3765), (295, 3690), (308, 3654), (312, 3648), (352, 3519), (354, 3510), (403, 3399),

Gene: YungMoney_63 Start: 49207, Stop: 49806, Start Num: 185

Candidate Starts for YungMoney_63:

(Start: 185 @49207 has 32 MA's), (339, 49537), (351, 49582), (373, 49639), (384, 49672), (387, 49681), (397, 49711), (402, 49723), (411, 49759), (420, 49789),

Gene: Zagie_54 Start: 41639, Stop: 41064, Start Num: 188

Candidate Starts for Zagie_54:

(Start: 188 @41639 has 33 MA's), (220, 41570), (285, 41432), (288, 41423), (293, 41405), (331, 41297), (336, 41282), (339, 41273), (351, 41228), (383, 41141), (400, 41111), (409, 41087),

Gene: Zaider_7 Start: 4148, Stop: 3594, Start Num: 187

Candidate Starts for Zaider_7:

(Start: 187 @4148 has 371 MA's), (Start: 197 @4118 has 1 MA's), (203, 4103), (268, 3998), (295, 3923), (308, 3887), (312, 3881), (352, 3752), (354, 3743), (403, 3632),

Gene: Zarbodnamra_79 Start: 46838, Stop: 47428, Start Num: 214

Candidate Starts for Zarbodnamra_79:

(65, 46565), (73, 46586), (Start: 214 @46838 has 108 MA's), (297, 47060), (301, 47072), (303, 47078), (320, 47123), (328, 47141), (334, 47162), (346, 47204), (381, 47330), (409, 47402),

Gene: Zelda_6 Start: 3918, Stop: 3364, Start Num: 187

Candidate Starts for Zelda_6:

(Start: 187 @3918 has 371 MA's), (Start: 197 @3888 has 1 MA's), (203, 3873), (268, 3768), (295, 3693), (308, 3657), (312, 3651), (352, 3522), (354, 3513), (403, 3402),

Gene: Zemanar_8 Start: 6294, Stop: 5680, Start Num: 161

Candidate Starts for Zemanar_8:

(Start: 153 @6303 has 1 MA's), (Start: 161 @6294 has 5 MA's), (Start: 183 @6252 has 13 MA's), (Start: 188 @6243 has 33 MA's), (268, 6087), (273, 6075), (293, 6015), (308, 5973), (312, 5967), (315, 5955), (329, 5916), (333, 5904), (351, 5841), (365, 5808), (376, 5775), (377, 5772), (381, 5760), (382,

5757), (400, 5724), (408, 5703),

Gene: Zenteno07_11 Start: 5106, Stop: 4525, Start Num: 187

Candidate Starts for Zenteno07_11:

(Start: 176 @5127 has 1 MA's), (181, 5115), (Start: 187 @5106 has 371 MA's), (241, 4998), (250, 4983), (268, 4941), (295, 4863), (312, 4821), (319, 4797), (351, 4686), (352, 4683), (400, 4569), (409, 4545),

Gene: Zhafia_56 Start: 41779, Stop: 41201, Start Num: 193

Candidate Starts for Zhafia_56:

(80, 42022), (141, 41860), (Start: 193 @41779 has 44 MA's), (252, 41668), (288, 41563), (326, 41458), (339, 41413), (341, 41407), (351, 41368), (356, 41353), (377, 41299), (409, 41224),

Gene: ZiggyZoo_76 Start: 48324, Stop: 48914, Start Num: 214

Candidate Starts for ZiggyZoo_76:

(Start: 214 @48324 has 108 MA's), (297, 48546), (301, 48558), (303, 48564), (320, 48609), (328, 48627), (333, 48645), (334, 48648), (345, 48687), (346, 48690), (381, 48816),

Gene: Zilla_72 Start: 45688, Stop: 46278, Start Num: 214

Candidate Starts for Zilla_72:

(65, 45415), (73, 45436), (Start: 214 @45688 has 108 MA's), (293, 45895), (297, 45910), (301, 45922), (303, 45928), (320, 45973), (334, 46012), (345, 46051), (346, 46054), (381, 46180), (409, 46252),

Gene: Zipp_67 Start: 51011, Stop: 51658, Start Num: 186

Candidate Starts for Zipp_67:

(108, 50849), (111, 50855), (114, 50873), (162, 50960), (Start: 186 @51011 has 24 MA's), (216, 51089), (237, 51131), (241, 51137), (247, 51152), (270, 51203), (311, 51305), (315, 51320), (336, 51380), (339, 51389), (354, 51455), (358, 51464), (386, 51542), (402, 51569), (422, 51647),

Gene: Zitch_68 Start: 49247, Stop: 49894, Start Num: 184

Candidate Starts for Zitch_68:

(Start: 184 @49247 has 47 MA's), (216, 49325), (237, 49367), (241, 49373), (270, 49439), (311, 49541), (315, 49556), (336, 49616), (339, 49625), (354, 49691), (358, 49700), (386, 49778), (402, 49805), (422, 49883),

Gene: ZoMa_49 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for ZoMa_49:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Zombie_50 Start: 36914, Stop: 37504, Start Num: 214

Candidate Starts for Zombie_50:

(9, 36242), (10, 36245), (44, 36536), (63, 36665), (95, 36737), (148, 36860), (198, 36881), (199, 36887), (Start: 214 @36914 has 108 MA's), (235, 36962), (276, 37058), (286, 37085), (292, 37106), (294, 37112), (301, 37136), (333, 37223), (343, 37253), (348, 37286), (351, 37295), (367, 37334), (372, 37373), (381, 37400), (408, 37469),

Gene: Zonia_6 Start: 3914, Stop: 3360, Start Num: 187

Candidate Starts for Zonia_6:

(Start: 187 @3914 has 371 MA's), (203, 3869), (208, 3860), (268, 3764), (295, 3689), (308, 3653), (312, 3647), (352, 3518), (354, 3509), (403, 3398),

Gene: pZL12_4c Start: 3305, Stop: 2700, Start Num: 195

Candidate Starts for pZL12_4c:

(Start: 195 @3305 has 1 MA's), (276, 3113), (379, 2810), (399, 2768),