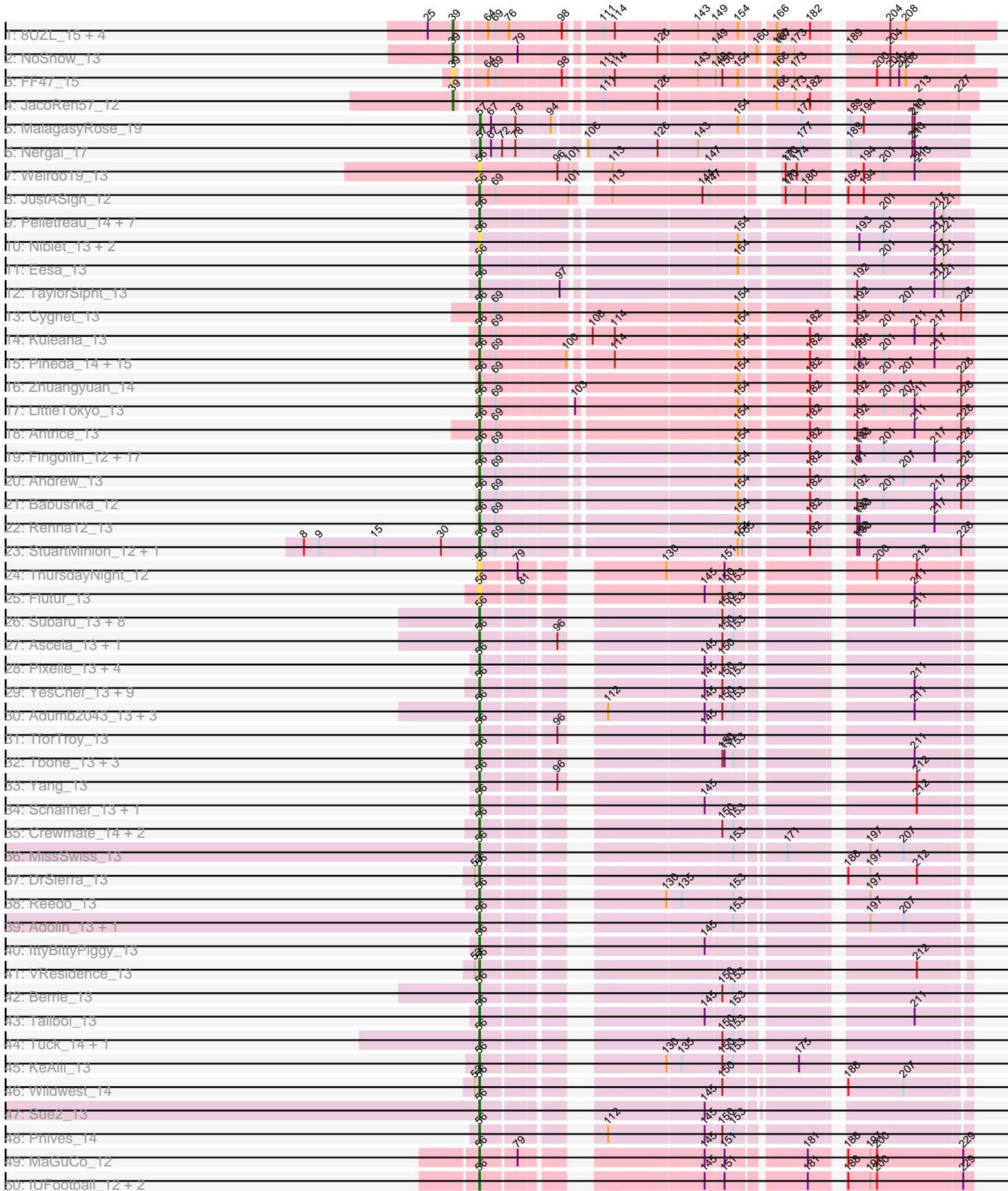
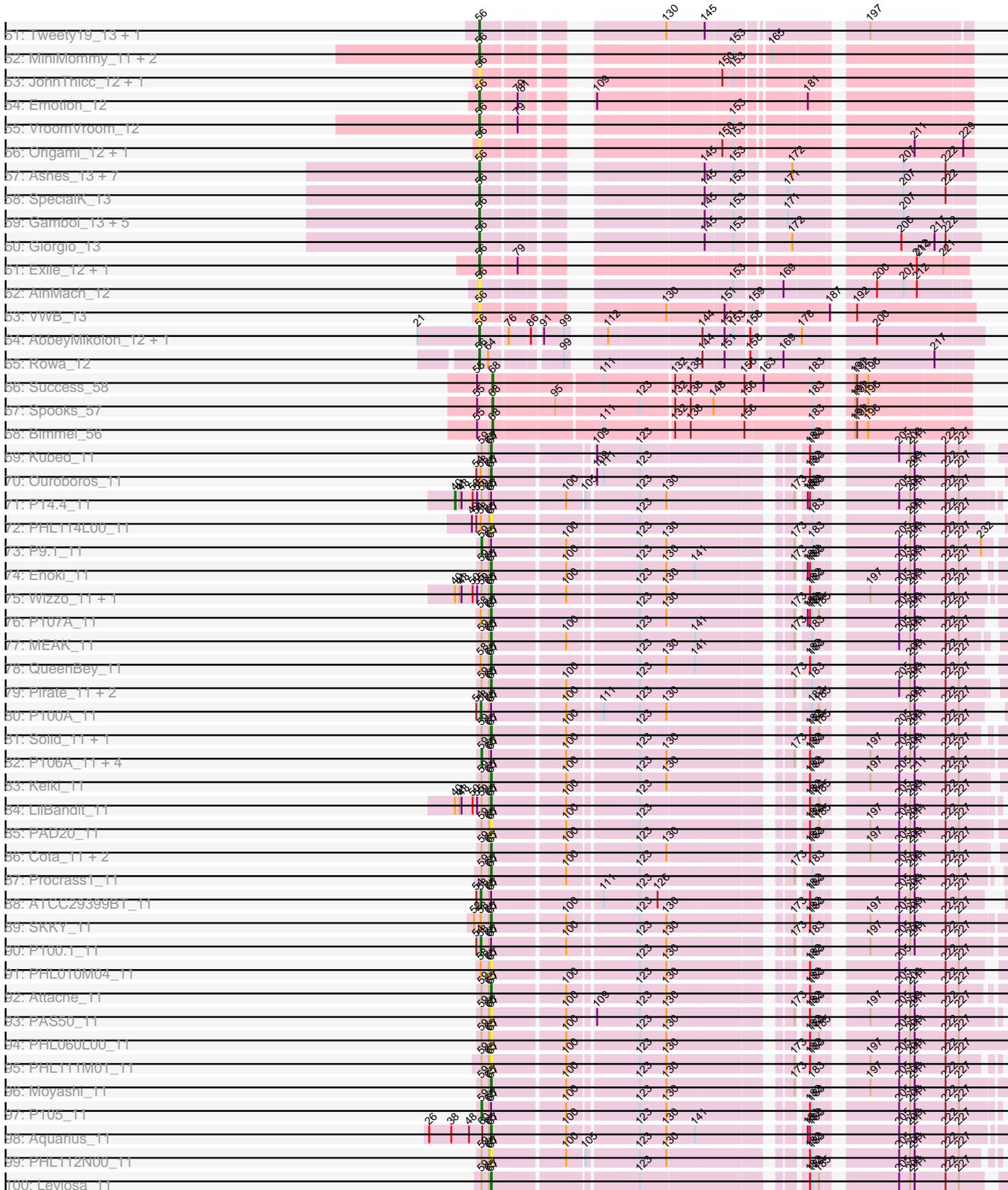


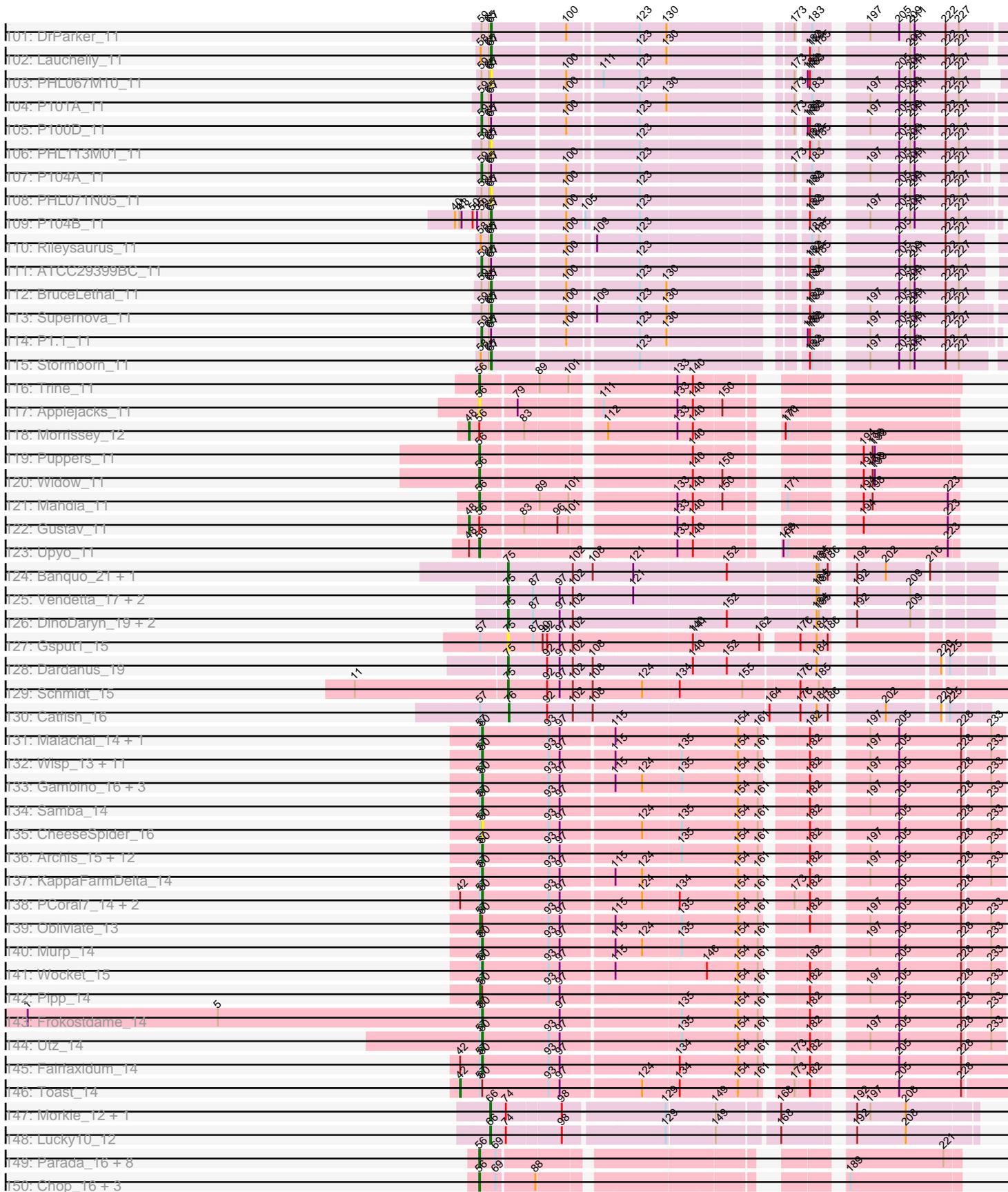
Pham 290670



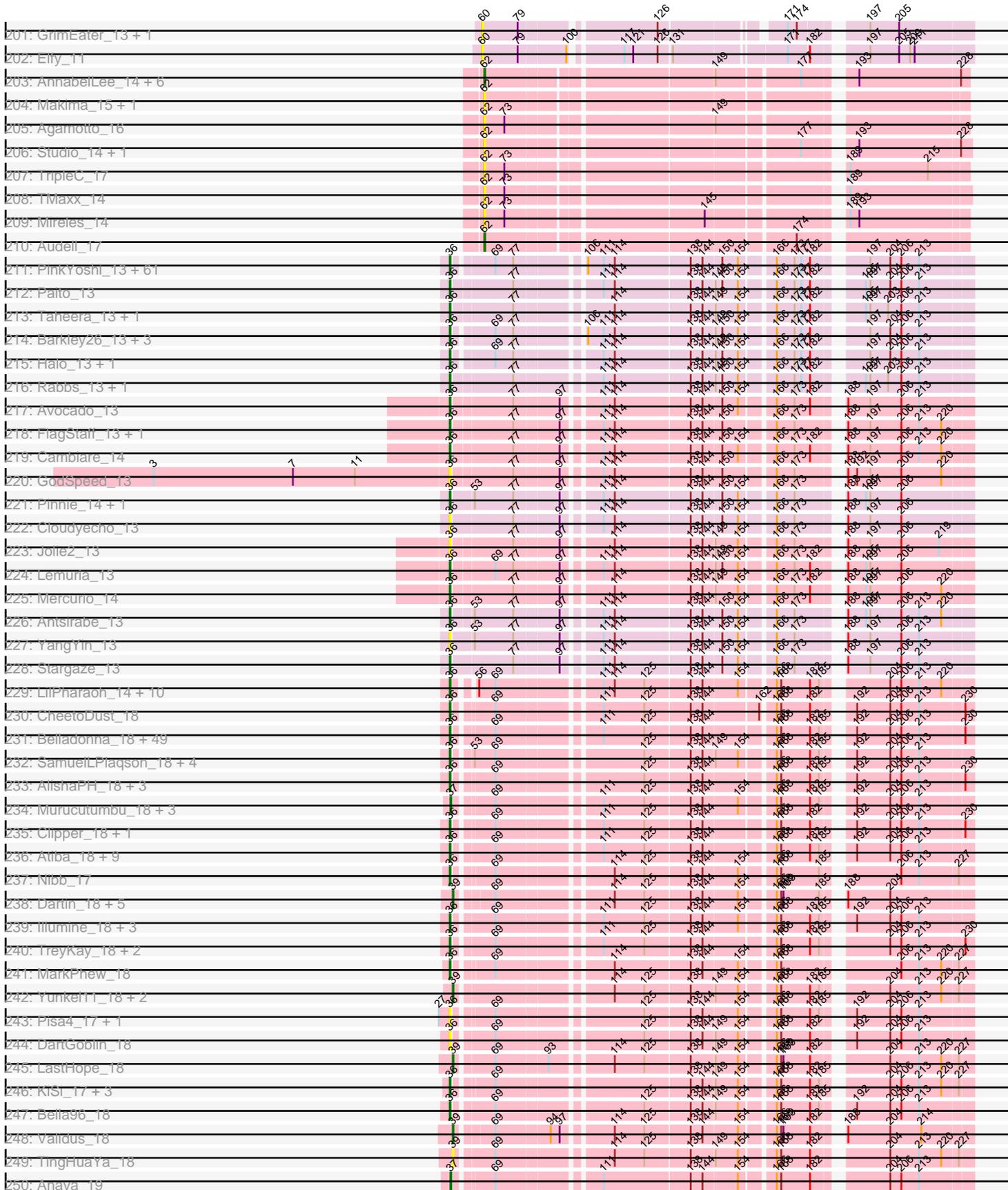
Pham 290670



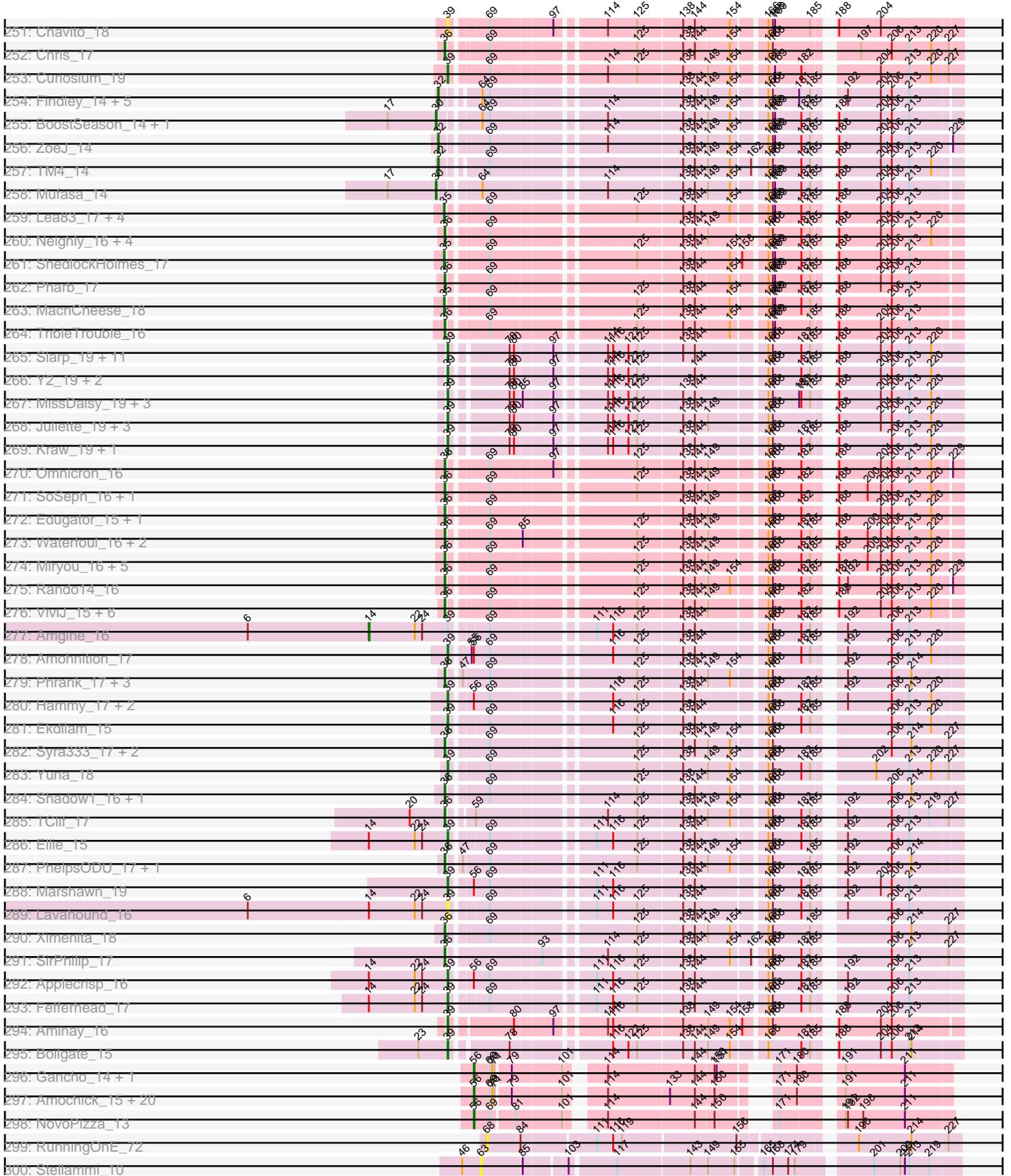
Pham 290670



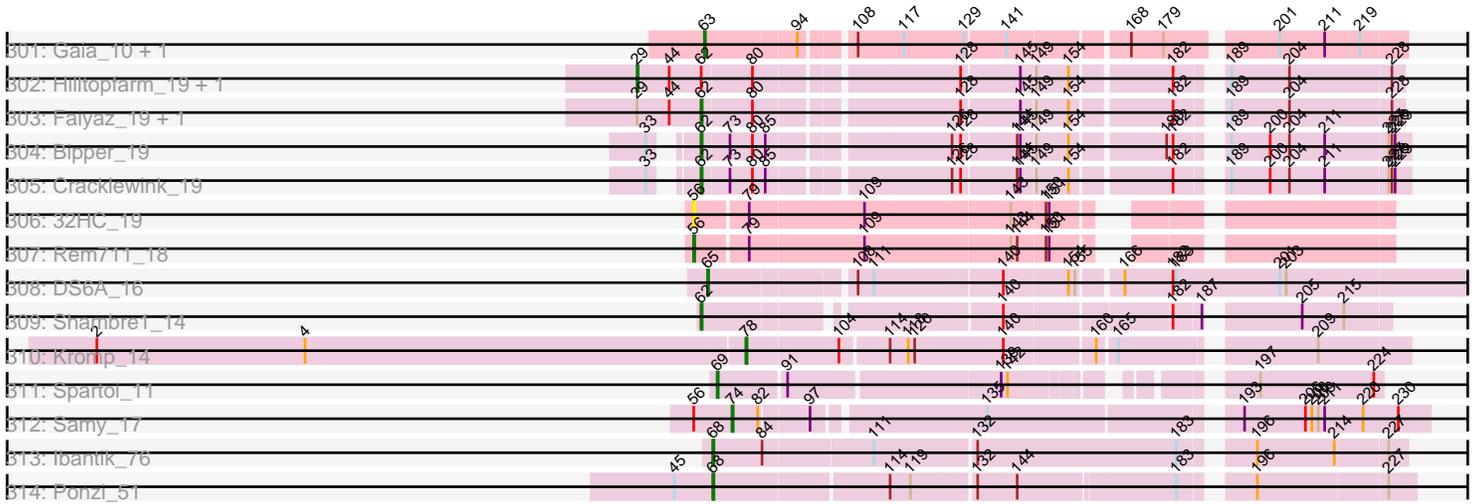
Pham 290670



Pham 290670



Pham 290670



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 290670 Report

This analysis was run 03/28/26 on database version 641.

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

Pham number 290670 has 778 members, 132 are drafts.

Phages represented in each track:

- Track 1 : 8UZL_15, Maco6_13, LongHai_16, Salvus_16, Muddy_15
- Track 2 : NoShow_13
- Track 3 : FF47_15
- Track 4 : JacoRen57_12
- Track 5 : MalagasyRose_19
- Track 6 : Nergal_17
- Track 7 : Weirido19_13
- Track 8 : JustASigh_12
- Track 9 : Pelletreau_14, Shen_14, Amanises_14, Orcanus_13, KendraB23_14, Westrich_14, Toad24_14, Gravel_14
- Track 10 : Niblet_13, Chicken_13, Zixiang_13
- Track 11 : Eesa_13
- Track 12 : TaylorSipht_13
- Track 13 : Cygnet_13
- Track 14 : Kuleana_13
- Track 15 : Pineda_14, Bibble12_14, Jerole_14, Polka_13, Daob_14, Coral_13, Colusalem_13, OtsoOtso_13, Melons_14, Bedetta_14, PhirstandPhine_14, Kepler_13, HannahPhantana_14, Amelia_14, Cote_14, Lunar_14
- Track 16 : Zhuangyuan_14
- Track 17 : LittleTokyo_13
- Track 18 : Antrice_13
- Track 19 : Fingolfin_12, Juno112_12, Oppalora_12, Amphitrite_12, Leona_12, HamCheese_12, Glotell_12, Atlantica_12, RedFox_12, Rattail_12, PhluffyCoco_12, DanHam62_12, AmiCi24_12, Azaz_12, Camara_12, KHumphrey_12, Laphuphu24k_12, AdoptaAdorbs_12
- Track 20 : Andrew_13
- Track 21 : Babushka_12
- Track 22 : Renna12_13
- Track 23 : StuartMinion_12, AlexMinion_12
- Track 24 : ThursdayNight_12
- Track 25 : Flutur_13
- Track 26 : Subaru_13, Elezi_13, Jstan_13, London_13, Nitro_13, Niobe_13, Eraser_13, Skelbel_13, Asa16_13

- Track 27 : Ascela_13, Iter_13
- Track 28 : Pixelle_13, Tian_13, Amyev_13, Cassia_13, Pumpkins_13
- Track 29 : YesChef_13, Joemato_13, JohnDoe_13, Lego_13, Simpson_14, Powerpuff_13, Cyan_13, Kaylissa_13, Tutumahutu_13, AGrandiflora_13
- Track 30 : Adumb2043_13, Turab_13, Amploria_13, AEgle_13
- Track 31 : TforTroy_13
- Track 32 : Tbone_13, Warda_13, Lizalica_13, Mudpuppy_13
- Track 33 : Yang_13
- Track 34 : Schaffner_13, JuneStar_13
- Track 35 : Crewmate_14, ObiToo_13, Janeemi_14
- Track 36 : MissSwiss_13
- Track 37 : DrSierra_13
- Track 38 : Reedo_13
- Track 39 : Adolin_13, DrManhattan_13
- Track 40 : IttyBittyPiggy_13
- Track 41 : VResidence_13
- Track 42 : Berrie_13
- Track 43 : Tallboi_13
- Track 44 : Tuck_14, Community_14
- Track 45 : KeAlii_13
- Track 46 : Wildwest_14
- Track 47 : Sue2_13
- Track 48 : Phives_14
- Track 49 : MaGuCo_12
- Track 50 : IUFootball_12, Liebe_12, Maureen_12
- Track 51 : Tweety19_13, Snek_13
- Track 52 : MiniMommy_11, JasmineDragon_12, ShakeltOph_12
- Track 53 : JohnThicc_12, FiveHead_12
- Track 54 : Emotion_12
- Track 55 : VroomVroom_12
- Track 56 : Origami_12, LadyAstra_12
- Track 57 : Ashes_13, Mysterium_13, Halsey_13, Gumpizza_13, Beaupre_13, RockScotty_13, Stuu_13, Moss_13
- Track 58 : SpecialK_13
- Track 59 : Gambol_13, Sooty_13, Cappuccino_13, Kalimba_13, Donkey_13, Sabourin_13
- Track 60 : Giorgio_13
- Track 61 : Exile_12, Soondubu_12
- Track 62 : AinMach_12
- Track 63 : VWB_13
- Track 64 : AbbeyMikolon_12, Nesbitt_12
- Track 65 : Rowa_12
- Track 66 : Success_58
- Track 67 : Spooks_57
- Track 68 : Bimmel_56
- Track 69 : Kubed_11
- Track 70 : Ouroboros_11
- Track 71 : P14.4_11
- Track 72 : PHL114L00_11
- Track 73 : P9.1_11
- Track 74 : Enoki_11
- Track 75 : Wizzo_11, PA6_11
- Track 76 : P107A_11

- Track 77 : MEAK_11
- Track 78 : QueenBey_11
- Track 79 : Pirate_11, Enochoraptor_11, P108C_11
- Track 80 : P100A_11
- Track 81 : Solid_11, P107C_11
- Track 82 : P106A_11, P106C_11, P106M_11, P106L_11, P106I_11
- Track 83 : Keiki_11
- Track 84 : LilBandit_11
- Track 85 : PAD20_11
- Track 86 : Cota_11, MrAK_11, PHL037M02_11
- Track 87 : Procrass1_11
- Track 88 : ATCC29399BT_11
- Track 89 : SKKY_11
- Track 90 : P100.1_11
- Track 91 : PHL010M04_11
- Track 92 : Attacne_11
- Track 93 : PAS50_11
- Track 94 : PHL060L00_11
- Track 95 : PHL111M01_11
- Track 96 : Moyashi_11
- Track 97 : P105_11
- Track 98 : Aquarius_11
- Track 99 : PHL112N00_11
- Track 100 : Leviosa_11
- Track 101 : DrParker_11
- Track 102 : Lauchelly_11
- Track 103 : PHL067M10_11
- Track 104 : P101A_11
- Track 105 : P100D_11
- Track 106 : PHL113M01_11
- Track 107 : P104A_11
- Track 108 : PHL071N05_11
- Track 109 : P104B_11
- Track 110 : Rileysaurus_11
- Track 111 : ATCC29399BC_11
- Track 112 : BruceLethal_11
- Track 113 : Supernova_11
- Track 114 : P1.1_11
- Track 115 : Stormborn_11
- Track 116 : Trine_11
- Track 117 : Applejacks_11
- Track 118 : Morrissey_12
- Track 119 : Puppies_11
- Track 120 : Widow_11
- Track 121 : Mahdia_11
- Track 122 : Gustav_11
- Track 123 : Upyo_11
- Track 124 : Banquo_21, TinaLin_20
- Track 125 : Vendetta_17, Splinter_17, Goib_18
- Track 126 : DinoDaryn_19, Huffy_19, TZGordon_19
- Track 127 : Gspat1_15
- Track 128 : Dardanus_19
- Track 129 : Schmidt_15

- Track 130 : Catfish_16
- Track 131 : Malachai_14, Begonia_14
- Track 132 : Wisp_13, Blino_14, Petra_16, CarolAnn_14, Zilla_14, Jalammah_15, Mellie_13, Lysidious_14, PhrostedPhlake_15, ZiggyZoo_13, Hitter_14, Walrus_15
- Track 133 : Gambino_16, Azula_16, MissRona_16, Blueberry_16
- Track 134 : Samba_14
- Track 135 : CheeseSpider_16
- Track 136 : Archis_15, Barco_14, JuJu_14, JasperJr_14, UmaThurman_14, MintFen_14, CaptainKirk2_14, Melba_14, BlingBling_14, Delian_14, Guacamole_14, Ferry_13, Zarbodnamra_14
- Track 137 : KappaFarmDelta_14
- Track 138 : PCoral7_14, William_14, PrincePatrick_14
- Track 139 : Obliviate_13
- Track 140 : Murp_14
- Track 141 : Wocket_15
- Track 142 : Pipp_14
- Track 143 : Frokostdame_14
- Track 144 : Utz_14
- Track 145 : Fairfaxidum_14
- Track 146 : Toast_14
- Track 147 : Morkie_12, PhorbesPhlower_12
- Track 148 : Lucky10_12
- Track 149 : Parada_16, Bock_16, BetterKatz_16, Nadeem_16, Brylie_16, NancyRae_16, Mulch_16, Pimento_17, WheatThin_16
- Track 150 : Chop_16, GrandSlam_16, Ayotoya_16, Hamood_16
- Track 151 : Francois_16
- Track 152 : DelRio_17
- Track 153 : Ecliptus_13
- Track 154 : Malisha_13, Spooky_13
- Track 155 : ODay_13
- Track 156 : MortyNRick_13, Birdsong_13, BearBQ_13
- Track 157 : Periwinkle_13, Budski_13, Phabuloso_13, Kamaru_13, Squiddly_14, Kenna_13, BotCity_13, Holliday_13, CheeseTouch_13, Lutum_13, Phistory_13, Horus_13, BENtherdunthat_13, ShawBrad_13, Frickyeh_13, Getalong_13, Leroy_13, LitninMcQueen_13, Asapag_13, Whitney_13
- Track 158 : Apricot_13, Crater_13, Kuwabara_13
- Track 159 : Ziko_48, Fryberger_45, Ronaldo_48, Volt_47, Guey18_50
- Track 160 : Keelan_43
- Track 161 : Ruthy_13, DumpsterDude_13
- Track 162 : Zodiariah_12
- Track 163 : MakCheese_14
- Track 164 : Sprinklemunch_12
- Track 165 : ArchiDore_13
- Track 166 : Malibo_12
- Track 167 : Heinz_12
- Track 168 : Jojo24_12, Hibiscus_12
- Track 169 : DonkeyMan_12, Tarzan_12
- Track 170 : Santhid_12
- Track 171 : Reyja_13
- Track 172 : Squircle_12, Olliecat_12
- Track 173 : BAjuniper_12
- Track 174 : Shayna_11, SunnyD_11

- Track 175 : Bernstein_11, Coltrane_11, Clayda5_11, Rollins_11, Vitas_11, Skylord_11, Brahms_11
- Track 176 : Armstrong_11
- Track 177 : Buldak_12
- Track 178 : Gack_11
- Track 179 : Katzastrophic_12, FlameThrower_12
- Track 180 : Teagster_11
- Track 181 : Franklin22_11
- Track 182 : CliffHanger_13
- Track 183 : Eden_11
- Track 184 : Celaena_12
- Track 185 : Bachaco_12
- Track 186 : Quenya_13
- Track 187 : Zeta1847_11
- Track 188 : Honk_11
- Track 189 : Barnstormer_11, UtzChips_11
- Track 190 : SuMoo_11, Mabodamaca_12
- Track 191 : GardenState_12, IAmGroot_12
- Track 192 : Gretchen_12, SuperHands_13, Percival_12, Forester_21
- Track 193 : Floof_12
- Track 194 : Caron_11
- Track 195 : Cen1621_11
- Track 196 : Demsculpinboyz_14, Avani_14, Che9d_14, Blarby_15, Zapner_15, Jabbawokkie_15, SilverChicken_14, Yoshi_14
- Track 197 : Soul22_14
- Track 198 : Gibbzilla_14
- Track 199 : CallinAllBarbz_12
- Track 200 : BaileyBlu_12
- Track 201 : GrimEater_13, Jankie_14
- Track 202 : Elfy_11
- Track 203 : AnnabelLee_14, ChamoyPickle_14, CardboardBox_14, Neuville_14, Roberts_14, Gerri43_14, ChipsNGuac_14
- Track 204 : Makima_15, LastNadiia_17
- Track 205 : Agamoto_16
- Track 206 : Studio_14, Ezurina_13
- Track 207 : TripleC_17
- Track 208 : TMaxx_14
- Track 209 : Mireles_14
- Track 210 : Audell_17
- Track 211 : PinkYoshi_13, DingDing_13, Jolene_13, Rattrick_13, CassieYates_13, Angel_13, TomBrady_13, ECartman_13, OctaviusRex_13, Gomashi_13, Phloodle_13, Periodt_13, Avrafan_13, Schiebel_13, Hope_13, Hotshotbaby7_13, Marmie_13, Renaissance_13, Gideon_13, AzulaCat_13, BPs_13, Jeilious_13, ZoMa_13, BQuat_13, Cedasite_13, Coleslaw_13, DMoney_13, DNAll_0013, Maliketh_13, Neoh_13, Plagueis_13, Annihilator_13, Aroostook_13, Mowgli_13, Kareem_13, Chance64_13, BruceB_13, Crespo_13, Darionha_13, Frosty24_13, Ruriko_13, CLED96_13, Richarlison_13, AizenPogi_13, Remy19_13, Sweets_13, Kasen3_13, Zombie_13, MZKinsey_13, LouisV14_13, Camri_13, Cherrybomb426_13, Phreak_13, ShaboiShabazz_13, JorRay_13, Jane_13, Wendigo_13, Jonghyun_13, Phish_13, Sizemore_13, Olga_13, GoldenAsh_13
- Track 212 : Paito_13
- Track 213 : Taheera_13, Terror_13
- Track 214 : Barkley26_13, Peeb_13, Grizzly_13, Liefie_13

- Track 215 : Halo_13, TinaBug_13
- Track 216 : Rabbs_13, Sneeze_13
- Track 217 : Avocado_13
- Track 218 : FlagStaff_13, Pace1224_13
- Track 219 : Cambiare_14
- Track 220 : GodSpeed_13
- Track 221 : Pinnie_14, MOOREtheMARYer_13
- Track 222 : Cloudyecho_13
- Track 223 : Jolie2_13
- Track 224 : Lemuria_13
- Track 225 : Mercurio_14
- Track 226 : Antsirabe_13
- Track 227 : YangYin_13
- Track 228 : Stargaze_13
- Track 229 : LilPharaoh_14, Nutello_14, Teejan_14, SgtBeansprout_14, Mdavu_14, Trice_14, Amelie_14, Binglebops_14, Enkosi_14, Torres_14, Nikao_14
- Track 230 : CheetoDust_18
- Track 231 : Belladonna_18, Angelica_18, Rosmarinus_18, Peel_18, CREW_18, Inky_18, BaghaKamala_18, Zavala_18, Capricorn_18, CrimD_18, BGIlluviae_18, Deby_18, Durfee_18, Mynx_18, Rapunzel97_18, Ramen_18, Jarvi_18, Megsy_18, Piatt_18, Boiiii_18, Hyperbowlee_18, Slimphazie_18, YoureAdopted_17, Spock_18, Twitch_18, Llorens_18, Jayhawk_18, BarrelRoll_18, CaseJules_18, Asayake_18, Lunahalos_18, Apocalypse_18, Topper_18, Zabiza_18, Adephegia_18, Joy99_18, JAWS_18, Blizzard_18, HedwigODU_18, TaiwanKao_19, MeaningOfLife_18, Homura_18, ShiaSurprise_18, Sulley_18, TruffulaTree_18, Dalmuri_18, ActinUp_18, Jeckyll_18, Padfoot_18, BEEEST_18
- Track 232 : SamuelPlaqson_18, Anma_18, Urkel_18, TiniBug_18, DrHayes_18
- Track 233 : AlishaPH_18, Emerson_18, Padpat_18, Veliki_18
- Track 234 : Murucutumbu_18, LaterM_18, Stinson_18, Ageofdapage_18
- Track 235 : Clipper_18, MacKat_18
- Track 236 : Atiba_18, CallaLilly_18, Beezoo_18, Geraldini_18, Pokerus_17, Ganymede_19, QuincyRose_17, Tiri_18, Adonis_18, Tachez_18
- Track 237 : Nibb_17
- Track 238 : Dartin_18, McMater_18, Peanam_18, Shaobing_18, Niklas_18, Richo_18
- Track 239 : Illumine_18, Devera_18, Dole_18, Bern_18
- Track 240 : TreyKay_18, Prithvi_18, LindNT_18
- Track 241 : MarkPheW_18
- Track 242 : Yunkel11_18, Efra2_18, Guanica15_18
- Track 243 : Pisa4_17, Pisa1_17
- Track 244 : DartGoblin_18
- Track 245 : LastHope_18
- Track 246 : KiSi_17, Oscar_17, LeMond_17, Scarlett_17
- Track 247 : Bella96_18
- Track 248 : Validus_18
- Track 249 : TingHuaYa_18
- Track 250 : Anaya_19
- Track 251 : Chavito_18
- Track 252 : Chris_17
- Track 253 : Curiosium_19
- Track 254 : Findley_14, Strobilo_14, Milly_14, DismalFunk_14, DismalStressor_14, Marcoliusprime_14
- Track 255 : BoostSeason_14, Doughnut_14

- Track 256 : ZoeJ_14
- Track 257 : TM4_14
- Track 258 : Mufasa_14
- Track 259 : Lea83_17, Pixie_17, Hurricane_17, Keshu_17, TBond007_17
- Track 260 : Neighly_16, Psycho_16, AlleyCat_16, Dadosky_16, Larva_16
- Track 261 : ShedlockHolmes_17
- Track 262 : Pharb_17
- Track 263 : MacnCheese_18
- Track 264 : TribbleTrouble_16
- Track 265 : Slarp_19, OmniCritical_19, Lebo14_19, Fionnbharth_19, DanSyl44_19, Wintermute_19, Mitti_19, Cheetobro_19, Chancellor_19, YasnayaPolyana_19, Qhanda_19, SamScheppers_17
- Track 266 : Y2_19, Y10_19, JF1_19
- Track 267 : MissDaisy_19, Reptar3000_19, Patt_19, Bobquesha_19
- Track 268 : Juliette_19, Taquito_17, Eponine_19, Ruthiejr_18
- Track 269 : Kraw_19, Malthus_19
- Track 270 : Omnicron_16
- Track 271 : SoSeph_16, Heftyboy_16
- Track 272 : Edugator_15, Kratio_15
- Track 273 : Waterfoul_16, Thyatira_16, Feyre_16
- Track 274 : Miryou_16, OkiRoe_16, Guillsminger_16, Leston_16, Paola_16, Gengar_16
- Track 275 : Rando14_16
- Track 276 : ViviJ_15, Agent47_16, LilDirt_15, Collard_16, DoubleChamp_16, BananenDer11_16, InvictusManeo_16
- Track 277 : Amgine_16
- Track 278 : Amohnition_17
- Track 279 : Phrank_17, Tierra_17, Bryler_17, Cain_17
- Track 280 : Hammy_17, November_16, DarthP_17
- Track 281 : Ekdilam_15
- Track 282 : Syra333_17, Krueger_17, Tigress9_17
- Track 283 : Yuna_18
- Track 284 : Shadow1_16, Sunflower1121_16
- Track 285 : TClif_17
- Track 286 : Ellie_15
- Track 287 : PhelpsODU_17, Unicorn_17
- Track 288 : Marshawn_19
- Track 289 : Lavahound_16
- Track 290 : Ximenita_18
- Track 291 : SirPhilip_17
- Track 292 : Applecrisp_16
- Track 293 : Fefferhead_17
- Track 294 : Aminay_16
- Track 295 : Boilgate_15
- Track 296 : Gancho_14, Gravaillia_15
- Track 297 : Amochick_15, Ubuntu_15, DeepSoil15_15, Hadrien_15, Kinbote_15, Evanesce_15, Forge_15, Ein37_15, Daegal_16, Dewey_15, Hail_15, OBUpride_15, HH92_15, Luna22_15, Amymech_15, BloominB_15, Webster2_15, Giles_15, Wishmaker_15, Luke_15, LilHazelNut_15
- Track 298 : NovoPizza_13
- Track 299 : RunningOnE_72
- Track 300 : Stellammi_10
- Track 301 : Gaia_10, Nebkiss_10

- Track 302 : Hilltopfarm_19, Typha_19
- Track 303 : Faiyaz_19, AuntGwenStacy_19
- Track 304 : Bipper_19
- Track 305 : Cracklewink_19
- Track 306 : 32HC_19
- Track 307 : Rem711_18
- Track 308 : DS6A_16
- Track 309 : Shambre1_14
- Track 310 : Kromp_14
- Track 311 : Spartoi_11
- Track 312 : Samy_17
- Track 313 : Ibantik_76
- Track 314 : Ponzi_51

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

The start number called the most often in the published annotations is 56, it was called in 205 of the 646 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 32HC_19, AEgle_13, AGrandiflora_13, AbbeyMikolon_12, Adolin_13, AdoptaAdorbs_12, Adumb2043_13, AinMach_12, AlexMinion_12, Amanises_14, Amelia_14, AmiCi24_12, Amochick_15, Amphitrite_12, Amploria_13, Amyev_13, Amymech_15, Andrew_13, Antrice_13, Applejacks_11, ArchiDore_13, Armstrong_11, Asa16_13, Ascela_13, Ashes_13, Atlantica_12, Ayotoya_16, Azaz_12, BAjuniper_12, Babushka_12, Bachaco_12, Barnstormer_11, Beaupre_13, Bedetta_14, Bernstein_11, Berrie_13, BetterKatz_16, Bibble12_14, BloominB_15, Bock_16, Brahms_11, Brylie_16, Buldak_12, Camara_12, Cappuccino_13, Caron_11, Cassia_13, Celaena_12, Cen1621_11, Chicken_13, Chop_16, Clayda5_11, CliffHanger_13, Coltrane_11, Colusalem_13, Community_14, Coral_13, Cote_14, Crewmate_14, Cyan_13, Cygnet_13, Daegal_16, DanHam62_12, Daob_14, DeepSoil15_15, DelRio_17, Dewey_15, DonkeyMan_12, Donkey_13, DrManhattan_13, DrSierra_13, DumpsterDude_13, Eden_11, Eesa_13, Ein37_15, Elezi_13, Emotion_12, Eraser_13, Evanesce_15, Exile_12, Fingolfin_12, FiveHead_12, FlameThrower_12, Floof_12, Flutur_13, Forester_21, Forge_15, Francois_16, Franklin22_11, Gack_11, Gambol_13, Gancho_14, GardenState_12, Giles_15, Giorgio_13, Glotell_12, GrandSlam_16, Gravaillia_15, Gravel_14, Gretchen_12, Gumpizza_13, HH92_15, Hadrien_15, Hail_15, Halsey_13, HamCheese_12, Hamood_16, HannahPhantana_14, Heinz_12, Hibiscus_12, Honk_11, IAmGroot_12, IUFootball_12, Iter_13, IttyBittyPiggy_13, Janeemi_14, JasmineDragon_12, Jerole_14, Joemato_13, JohnDoe_13, JohnThicc_12, Jojo24_12, Jstan_13, JuneStar_13, Juno112_12, JustASigh_12, KHumphrey_12, Kalimba_13, Katzastrophic_12, Kaylissa_13, KeAlii_13, KendraB23_14, Kepler_13, Kinbote_15, Kuleana_13, LadyAstra_12, Laphuphu24k_12, Lego_13, Leona_12, Liebe_12, LilHazelNut_15, LittleTokyo_13, Lizalica_13, London_13, Luke_15, Luna22_15, Lunar_14, MaGuCo_12, Mabodamaca_12, Mahdia_11, MakCheese_14, Malibo_12, Maureen_12, Melons_14, MiniMommy_11, MissSwiss_13, Moss_13, Mudpuppy_13, Mulch_16, Mysterium_13, Nadeem_16, NancyRae_16, Nesbitt_12, Niblet_13, Niobe_13, Nitro_13, NovoPizza_13, OBUpride_15, ObiToo_13, Olliecat_12, Oppalora_12, Orcanus_13, Origami_12, OtsoOtso_13, Parada_16,

Pelletreau_14, Percival_12, PhirstandPhine_14, Phives_14, PhluffyCoco_12, Pimento_17, Pineda_14, Pixelle_13, Polka_13, Powerpuff_13, Pumpkins_13, Puppies_11, Quenya_13, Rattail_12, RedFox_12, Reedo_13, Rem711_18, Renna12_13, Reyja_13, RockScotty_13, Rollins_11, Rowa_12, Ruthy_13, Sabourin_13, Santhid_12, Schaffner_13, ShakeltOph_12, Shayna_11, Shen_14, Simpson_14, Skelbel_13, Skylord_11, Snek_13, Soondubu_12, Sooty_13, SpecialK_13, Sprinklemunch_12, Squirrel_12, StuartMinion_12, Stuu_13, SuMoo_11, Subaru_13, Sue2_13, SunnyD_11, SuperHands_13, Tallboi_13, Tarzan_12, TaylorSipht_13, Tbone_13, Teagster_11, TforTroy_13, ThursdayNight_12, Tian_13, Toad24_14, Trine_11, Tuck_14, Turab_13, Tutumahutu_13, Tweety19_13, Ubuntu_15, Upyo_11, UtzChips_11, VResidence_13, VWB_13, Vitas_11, VroomVroom_12, Warda_13, Webster2_15, Weirdo19_13, Westrich_14, WheatThin_16, Widow_11, Wildwest_14, Wishmaker_15, Yang_13, YesChef_13, Zeta1847_11, Zhuangyuan_14, Zixiang_13, Zodiariah_12,

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

- Amelie_14, Amohntion_17, Applecrisp_16, Binglebops_14, DARTH_P_17, Enkosi_14, Gustav_11, Hammy_17, LilPharaoh_14, Marshawn_19, Mdavu_14, Morrissey_12, Nikao_14, November_16, Nutello_14, Samy_17, SgtBeansprout_14, Teejan_14, Torres_14, Trice_14,

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

- 8UZL_15, ATCC29399BC_11, ATCC29399BT_11, ActinUp_18, Adephegia_18, Adonis_18, Agamoto_16, Agent47_16, Ageofdapage_18, AizenPogi_13, AlishaPH_18, AlleyCat_16, Amgine_16, Aminay_16, Anaya_19, Angel_13, Angelica_18, Anma_18, AnnabelLee_14, Annihilator_13, Antsirabe_13, Apocalypse_18, Apricot_13, Aquarius_11, Archis_15, Aroostook_13, Asapag_13, Asayake_18, Atiba_18, Attacne_11, Audell_17, AuntGwenStacy_19, Avani_14, Avocado_13, Avrafan_13, AzulaCat_13, Azula_16, BEEST_18, BENtherdunthat_13, BGIlluviae_18, BPs_13, BQuat_13, BaghaKamala_18, BaileyBlu_12, BananenDer11_16, Banquo_21, Barco_14, Barkley26_13, BarrelRoll_18, BearBQ_13, Beezoo_18, Begonia_14, Bella96_18, Belladonna_18, Bern_18, Bimmel_56, Bipper_19, Birdsong_13, Blarby_15, BlingBling_14, Blino_14, Blizzard_18, Blueberry_16, Bobquesha_19, Boiii_18, Boilgate_15, BoostSeason_14, BotCity_13, BruceB_13, BruceLethal_11, Bryler_17, Budski_13, CLED96_13, CREW_18, Cain_17, CallaLilly_18, CallinAllBarbz_12, Cambiare_14, Camri_13, Capricorn_18, CaptainKirk2_14, CardboardBox_14, CarolAnn_14, CaseJules_18, CassieYates_13, Catfish_16, Cedasite_13, ChamoyPickle_14, Chance64_13, Chancellor_19, Chavito_18, Che9d_14, CheeseSpider_16, CheeseTouch_13, CheetoDust_18, Cheetobro_19, Cherrybomb426_13, ChipsNGuac_14, Chris_17, Clipper_18, Cloudyecho_13, Coleslaw_13, Collard_16, Cota_11, Cracklewink_19, Crater_13, Crespo_13, CrimD_18, Curiosium_19, DMoney_13, DNAIII_0013, DS6A_16, Dadosky_16, Dalmuri_18, DanSyl44_19, Dardanus_19, Darionha_13, DartGoblin_18, Dartin_18, Deby_18, Delian_14, Demsculpinboyz_14, Devera_18, DingDing_13, DinoDaryn_19, DismalFunk_14, DismalStressor_14, Dole_18, DoubleChamp_16, Doughnut_14, DrHayes_18, DrParker_11, Durfee_18, ECartman_13, Ecliptus_13, Edugator_15, Efra2_18, Ekdilam_15, Elfy_11, Ellie_15, Emerson_18, Enochoraptor_11, Enoki_11, Eponine_19, Ezurina_13, FF47_15, Fairfaxidum_14, Faiyaz_19, Fefferhead_17, Fenry_13, Feyre_16, Findley_14, Fionnbharth_19, FlagStaff_13, Frickyeah_13, Frokostdame_14, Frosty24_13, Fryberger_45, Gaia_10, Gambino_16, Ganymede_19, Gengar_16, Geraldini_18, Gerri43_14, Getalong_13, Gibbzilla_14, Gideon_13, GodSpeed_13, Goib_18, GoldenAsh_13, Gomashi_13, GrimEater_13, Grizzly_13, Gsput1_15, Guacamole_14,

Guanica15_18, Guey18_50, Guillsminger_16, Halo_13, HedwigODU_18, Heftyboy_16, Hilltopfarm_19, Hitter_14, Holliday_13, Homura_18, Hope_13, Horus_13, Hotshotbaby7_13, Huffy_19, Hurricane_17, Hyperbowlee_18, Ibantik_76, Illumine_18, Inky_18, InvictusManeo_16, JAWS_18, JF1_19, Jabbawokkie_15, JacoRen57_12, Jalammah_15, Jane_13, Jankie_14, Jarvi_18, JasperJr_14, Jayhawk_18, Jeckyll_18, Jeilious_13, Jolene_13, Jolie2_13, Jonghyun_13, JorRay_13, Joy99_18, JuJu_14, Juliette_19, Kamaru_13, KappaFarmDelta_14, Kareem_13, Kasen3_13, Keelan_43, Keiki_11, Kenna_13, Keshu_17, KiSi_17, Kratio_15, Kraw_19, Kromp_14, Krueger_17, Kubed_11, Kuwabara_13, Larva_16, LastHope_18, LastNadiia_17, LaterM_18, Lauchelly_11, Lavahound_16, LeMond_17, Lea83_17, Lebo14_19, Lemuria_13, Leroy_13, Leston_16, Leviosa_11, Liefie_13, LilBandit_11, LilDirt_15, LindNT_18, LitninMcQueen_13, Llorens_18, LongHai_16, LouisV14_13, Lucky10_12, Lunahalos_18, Lutum_13, Lysidious_14, MEAK_11, MOOREtheMARYer_13, MZKinsey_13, MacKat_18, MacnCheese_18, Maco6_13, Makima_15, Malachai_14, MalagasyRose_19, Maliketh_13, Malisha_13, Malthus_19, Marcoliusprime_14, MarkPhew_18, Marmie_13, McMater_18, MeaningOfLife_18, Megsy_18, Melba_14, Mellie_13, Mercurio_14, Milly_14, MintFen_14, Mireles_14, Miryou_16, MissDaisy_19, MissRona_16, Mitti_19, Morkie_12, MortyNRick_13, Mowgli_13, Moyashi_11, MrAK_11, Muddy_15, Mufasa_14, Murp_14, Murucutumbu_18, Mynx_18, Nebkiss_10, Neighly_16, Neoh_13, Nergal_17, Neuville_14, Nibb_17, Niklas_18, NoShow_13, ODay_13, Obliviate_13, OctaviousRex_13, OkiRoe_16, Olga_13, OmniCritical_19, Omnicron_16, Oscar_17, Ouroboros_11, P1.1_11, P100.1_11, P100A_11, P100D_11, P101A_11, P104A_11, P104B_11, P105_11, P106A_11, P106C_11, P106I_11, P106L_11, P106M_11, P107A_11, P107C_11, P108C_11, P14.4_11, P9.1_11, PA6_11, PAD20_11, PAS50_11, PCoral7_14, PHL010M04_11, PHL037M02_11, PHL060L00_11, PHL067M10_11, PHL071N05_11, PHL111M01_11, PHL112N00_11, PHL113M01_11, PHL114L00_11, Pace1224_13, Padfoot_18, Padpat_18, Paito_13, Paola_16, Patt_19, Peanam_18, Peeb_13, Peel_18, Periodt_13, Periwinkle_13, Petra_16, Phabuloso_13, Pharb_17, PhelpsODU_17, Phish_13, Phistory_13, Phloodle_13, PhorbessPhlower_12, Phrank_17, Phreak_13, PhrostedPhlake_15, Piatt_18, PinkYoshi_13, Pinnie_14, Pipp_14, Pirate_11, Pisa1_17, Pisa4_17, Pixie_17, Plagueis_13, Pokerus_17, Ponzi_51, PrincePatrick_14, Prithvi_18, Procrass1_11, Psycho_16, Qhanda_19, QueenBey_11, QuincyRose_17, Rabbs_13, Ramen_18, Rando14_16, Rapunzel97_18, Rattrick_13, Remy19_13, Renaissance_13, Reptar3000_19, Richarlison_13, Richo_18, Rileysaurus_11, Roberts_14, Ronaldo_48, Rosmarinus_18, RunningOnE_72, Ruriko_13, Ruthiejr_18, SKKY_11, Salvus_16, SamScheppers_17, Samba_14, SamuelLPlaqson_18, Scarlett_17, Schiebel_13, Schmidt_15, ShaboiShabazz_13, Shadow1_16, Shambre1_14, Shaobing_18, ShawBrad_13, ShedlockHolmes_17, ShiaSurprise_18, SilverChicken_14, SirPhilip_17, Sizemore_13, Slarp_19, Slimphazie_18, Sneeze_13, SoSeph_16, Solid_11, Soul22_14, Spartoi_11, Splinter_17, Spock_18, Spooks_57, Spooky_13, Squiddly_14, Stargaze_13, Stellammi_10, Stinson_18, Stormborn_11, Strobilo_14, Studio_14, Success_58, Sulley_18, Sunflower1121_16, Supernova_11, Sweets_13, Syra333_17, TBond007_17, TClif_17, TM4_14, TMaxx_14, TZGordon_19, Tachez_18, Taheera_13, TaiwanKao_19, Taquito_17, Terror_13, Thyatira_16, Tierra_17, Tigress9_17, TinaBug_13, TinaLin_20, TingHuaYa_18, TiniBug_18, Tiri_18, Toast_14, TomBrady_13, Topper_18, TreyKay_18, TripleC_17, TruffulaTree_18, Twitch_18, Typha_19, UmaThurman_14, Unicorn_17, Urkel_18, Utz_14, Validus_18, Veliki_18, Vendetta_17, ViviJ_15, Volt_47, Walrus_15, Waterfoul_16, Wendigo_13, Whitney_13, William_14, Wintermute_19, Wisp_13, Wizzo_11, Wocket_15, Ximenita_18, Y10_19, Y2_19, YangYin_13, YasnayaPolyana_19, Yoshi_14,

YoureAdopted_17, Yuna_18, Yunkel11_18, Zabiza_18, Zapner_15, Zarbodnamra_14, Zavala_18, ZiggyZoo_13, Ziko_48, Zilla_14, ZoMa_13, ZoeJ_14, Zombie_13,

Summary by start number:

Start 14:

- Found in 5 of 778 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 646
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Amgine_16 (K6),

Start 29:

- Found in 4 of 778 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 646
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Hilltopfarm_19 (Y), Typha_19 (Y),

Start 30:

- Found in 5 of 778 (0.6%) of genes in pham
- Manual Annotations of this start: 3 of 646
- Called 60.0% of time when present
- Phage (with cluster) where this start called: BoostSeason_14 (K2), Doughnut_14 (K2), Mufasa_14 (K2),

Start 32:

- Found in 8 of 778 (1.0%) of genes in pham
- Manual Annotations of this start: 8 of 646
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DismalFunk_14 (K2), DismalStressor_14 (K2), Findley_14 (K2), Marcoliusprime_14 (K2), Milly_14 (K2), Strobilo_14 (K2), TM4_14 (K2), ZoeJ_14 (K2),

Start 35:

- Found in 7 of 778 (0.9%) of genes in pham
- Manual Annotations of this start: 7 of 646
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hurricane_17 (K3), Keshu_17 (K3), Lea83_17 (K3), MacnCheese_18 (K3), Pixie_17 (K3), ShedlockHolmes_17 (K3), TBond007_17 (K3),

Start 36:

- Found in 231 of 778 (29.7%) of genes in pham
- Manual Annotations of this start: 203 of 646
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ActinUp_18 (K1), Adephegia_18 (K1), Adonis_18 (K1), Agent47_16 (K5), AizenPogi_13 (G1), AlishaPH_18 (K1), AlleyCat_16 (K5), Amelie_14 (K1), Angel_13 (G1), Angelica_18 (K1), Anma_18 (K1), Annihilator_13 (G1), Antsirabe_13 (G5), Apocalypse_18 (K1), Aroostook_13 (G1), Asayake_18 (K1), Atiba_18 (K1), Avocado_13 (G2), Avrafan_13 (G1), AzulaCat_13 (G1), BEEST_18 (K1), BGlluviae_18 (K1), BPs_13 (G1), BQuat_13 (G1), BaghaKamala_18 (K1), BananenDer11_16 (K5), Barkley26_13 (G1), BarrelRoll_18 (K1), Beezoo_18 (K1), Bella96_18 (K1), Belladonna_18 (K1), Bern_18 (K1),

Binglebops_14 (K1), Blizzard_18 (K1), Boiiii_18 (K1), BruceB_13 (G1), Bryler_17 (K6),
 CLED96_13 (G1), CREW_18 (K1), Cain_17 (K6), CallaLilly_18 (K1), Cambiare_14
 (G2), Camri_13 (G1), Capricorn_18 (K1), CaseJules_18 (K1), CassieYates_13 (G1),
 Cedasite_13 (G1), Chance64_13 (G1), CheetoDust_18 (K1), Cherrybomb426_13
 (G1), Chris_17 (K1), Clipper_18 (K1), Cloudyecho_13 (G3), Coleslaw_13 (G1),
 Collard_16 (K5), Crespo_13 (G1), CrimD_18 (K1), DMoney_13 (G1), DNAIII_0013
 (G1), Dadosky_16 (K5), Dalmuri_18 (K1), Darionha_13 (G1), DartGoblin_18 (K1),
 Deby_18 (K1), Devera_18 (K1), DingDing_13 (G1), Dole_18 (K1), DoubleChamp_16
 (K5), DrHayes_18 (K1), Durfee_18 (K1), ECartman_13 (G1), Edugator_15 (K5),
 Emerson_18 (K1), Enkosi_14 (K1), Feyre_16 (K5), FlagStaff_13 (G2), Frosty24_13
 (G1), Ganymede_19 (K1), Gengar_16 (K5), Geraldini_18 (K1), Gideon_13 (G1),
 GodSpeed_13 (G2), GoldenAsh_13 (G1), Gomashi_13 (G1), Grizzly_13 (G1),
 Guillsminger_16 (K5), Halo_13 (G1), HedwigODU_18 (K1), Heftyboy_16 (K5),
 Homura_18 (K1), Hope_13 (G1), Hotshotbaby7_13 (G1), Hyperbowlee_18 (K1),
 Illumine_18 (K1), Inky_18 (K1), InvictusManeo_16 (K5), JAWS_18 (K1), Jane_13
 (G1), Jarvi_18 (K1), Jayhawk_18 (K1), Jeckyll_18 (K1), Jeilious_13 (G), Jolene_13
 (G1), Jolie2_13 (G4), Jonghyun_13 (G1), JorRay_13 (G1), Joy99_18 (K1),
 Kareem_13 (G1), Kasen3_13 (G1), KiSi_17 (K1), Kratio_15 (K5), Krueger_17 (K6),
 Larva_16 (K5), LeMond_17 (K1), Lemuria_13 (G4), Leston_16 (K5), Liefie_13 (G1),
 LilDirt_15 (K5), LilPharaoh_14 (K1), LindNT_18 (K1), Llorens_18 (K1), LouisV14_13
 (G1), Lunahalos_18 (K1), MOOREtheMARYer_13 (G3), MZKinsey_13 (G1),
 MacKat_18 (K1), Maliketh_13 (G1), MarkPhew_18 (K1), Marmie_13 (G1), Mdavu_14
 (K1), MeaningOfLife_18 (K1), Megsy_18 (K1), Mercurio_14 (G4), Miryou_16 (K5),
 Mowgli_13 (G1), Mynx_18 (K1), Neighly_16 (K3), Neoh_13 (G), Nibb_17 (K1),
 Nikao_14 (K1), Nutello_14 (K1), OctaviousRex_13 (G1), OkiRoe_16 (K5), Olga_13
 (G1), Omnicron_16 (K5), Oscar_17 (K1), Pace1224_13 (G2), Padfoot_18 (K1),
 Padpat_18 (K1), Paito_13 (G1), Paola_16 (K5), Peeb_13 (G1), Peel_18 (K1),
 Periodt_13 (G1), Pharb_17 (K3), PhelpsODU_17 (K6), Phish_13 (G1), Phloodle_13
 (G1), Phrank_17 (K6), Phreak_13 (G1), Piatt_18 (K1), PinkYoshi_13 (G1), Pinnie_14
 (G3), Pisa1_17 (K1), Pisa4_17 (K1), Plagueis_13 (G1), Pokerus_17 (K1), Prithvi_18
 (K1), Psycho_16 (K5), QuincyRose_17 (K1), Rabbs_13 (G1), Ramen_18 (K1),
 Rando14_16 (K5), Rapunzel97_18 (K1), Rattrick_13 (G1), Remy19_13 (G1),
 Renaissance_13 (G1), Richarlison_13 (G1), Rosmarinus_18 (K1), Ruriko_13 (G1),
 SamuelLPlaqson_18 (K1), Scarlett_17 (K1), Schiebel_13 (G1), SgtBeansprout_14
 (K1), ShaboiShabazz_13 (G1), Shadow1_16 (K6), ShiaSurprise_18 (K1), SirPhilip_17
 (K6), Sizemore_13 (G1), Slimphazie_18 (K1), Sneeze_13 (G1), SoSeph_16 (K5),
 Spock_18 (K1), Stargaze_13 (G5), Sulley_18 (K1), Sunflower1121_16 (K6),
 Sweets_13 (G1), Syra333_17 (K6), TClif_17 (K6), Tachez_18 (K1), Taheera_13 (G1),
 TaiwanKao_19 (K1), Teejan_14 (K1), Terror_13 (G1), Thyatira_16 (K5), Tierra_17
 (K6), Tigress9_17 (K6), TinaBug_13 (G1), TiniBug_18 (K1), Tiri_18 (K1),
 TomBrady_13 (G1), Topper_18 (K1), Torres_14 (K1), TreyKay_18 (K1),
 TripleTrouble_16 (K3), Trice_14 (K1), TruffulaTree_18 (K1), Twitch_18 (K1),
 Unicorn_17 (K6), Urkel_18 (K1), Veliki_18 (K1), ViviJ_15 (K5), Waterfoul_16 (K5),
 Wendigo_13 (G1), Ximenita_18 (K6), YangYin_13 (G5), YoureAdopted_17 (K1),
 Zabiza_18 (K1), Zavala_18 (K1), ZoMa_13 (G1), Zombie_13 (G1),

Start 37:

- Found in 5 of 778 (0.6%) of genes in pham
- Manual Annotations of this start: 5 of 646
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ageofdapage_18 (K1), Anaya_19 (K1), LaterM_18 (K1), Murucutumbu_18 (K1), Stinson_18 (K1),

Start 39:

- Found in 61 of 778 (7.8%) of genes in pham
- Manual Annotations of this start: 47 of 646
- Called 98.4% of time when present
- Phage (with cluster) where this start called: 8UZL_15 (AB), Aminay_16 (K7), Amohnition_17 (K6), Applecrisp_16 (K6), Bobquesha_19 (K4), Boilgate_15 (K8), Chancellor_19 (K4), Chavito_18 (K1), Cheetobro_19 (K4), Curiosium_19 (K1), DanSyl44_19 (K4), DarthP_17 (K6), Dartin_18 (K1), Efra2_18 (K1), Ekdilam_15 (K6), Ellie_15 (K6), Eponine_19 (K4), FF47_15 (AB), Fefferhead_17 (K6), Fionnbharth_19 (K4), Guanica15_18 (K1), Hammy_17 (K6), JF1_19 (K4), JacoRen57_12 (AB), Juliette_19 (K4), Kraw_19 (K4), LastHope_18 (K1), Lavahound_16 (K6), Lebo14_19 (K4), LongHai_16 (AB), Maco6_13 (AB), Malthus_19 (K4), Marshawn_19 (K6), McMater_18 (K1), MissDaisy_19 (K4), Mitti_19 (K4), Muddy_15 (AB), Niklas_18 (K1), NoShow_13 (AB), November_16 (K6), OmniCritical_19 (K4), Patt_19 (K4), Peanam_18 (K1), Qhanda_19 (K4), Reptar3000_19 (K4), Richo_18 (K1), Ruthiejr_18 (K4), Salvus_16 (AB), SamScheppers_17 (K4), Shaobing_18 (K1), Slarp_19 (K4), Taquito_17 (K4), TingHuaYa_18 (K1), Validus_18 (K1), Wintermute_19 (K4), Y10_19 (K4), Y2_19 (K4), YasnayaPolyana_19 (K4), Yuna_18 (K6), Yunkel11_18 (K1),

Start 40:

- Found in 5 of 778 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 646
- Called 20.0% of time when present
- Phage (with cluster) where this start called: P14.4_11 (BU),

Start 42:

- Found in 5 of 778 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 646
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Toast_14 (CV),

Start 48:

- Found in 4 of 778 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 646
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Gustav_11 (CD), Morrissey_12 (CD),

Start 56:

- Found in 275 of 778 (35.3%) of genes in pham
- Manual Annotations of this start: 205 of 646
- Called 92.7% of time when present
- Phage (with cluster) where this start called: 32HC_19 (Z), AEgle_13 (AZ1), AGrandiflora_13 (AZ1), AbbeyMikolon_12 (BL), Adolin_13 (AZ1), AdoptaAdorbs_12 (AS3), Adumb2043_13 (AZ1), AinMach_12 (AZ7), AlexMinion_12 (AS3), Amanises_14 (AS1), Amelia_14 (AS2), AmiCi24_12 (AS3), Amochick_15 (Q), Amphitrite_12 (AS3), Amploria_13 (AZ1), Amyev_13 (AZ1), Amymech_15 (Q), Andrew_13 (AS3), Antrice_13 (AS2), Applejacks_11 (CD), ArchiDore_13 (DW), Armstrong_11 (EB), Asa16_13 (AZ1), Ascela_13 (AZ1), Ashes_13 (AZ5), Atlantica_12 (AS3), Ayotoya_16 (DI), Azaz_12 (AS3), BAjuniper_12 (EB), Babushka_12 (AS3), Bachaco_12 (EB), Barnstormer_11 (EH), Beaupre_13 (AZ5), Bedetta_14 (AS2), Bernstein_11 (EB), Berrie_13 (AZ1), BetterKatz_16 (DI), Bibble12_14 (AS2), BloominB_15 (Q), Bock_16 (DI), Brahms_11 (EB), Brylie_16 (DI), Buldak_12 (EB), Camara_12 (AS3), Cappuccino_13 (AZ5), Caron_11 (EH),

Cassia_13 (AZ1), Celaena_12 (EB), Cen1621_11 (EH), Chicken_13 (AS1), Chop_16 (DI), Clayda5_11 (EB), CliffHanger_13 (EB), Coltrane_11 (EB), Colusalem_13 (AS2), Community_14 (AZ1), Coral_13 (AS2), Cote_14 (AS2), Crewmate_14 (AZ1), Cyan_13 (AZ1), Cygnet_13 (AS2), Daegal_16 (Q), DanHam62_12 (AS3), Daob_14 (AS2), DeepSoil15_15 (Q), DelRio_17 (DI), Dewey_15 (Q), DonkeyMan_12 (DY), Donkey_13 (AZ5), DrManhattan_13 (AZ1), DrSierra_13 (AZ1), DumpsterDude_13 (DW), Eden_11 (EB), Eesa_13 (AS1), Ein37_15 (Q), Elezi_13 (AZ1), Emotion_12 (AZ4), Eraser_13 (AZ1), Evanesce_15 (Q), Exile_12 (AZ6), Fingolfin_12 (AS3), FiveHead_12 (AZ4), FlameThrower_12 (EB), Floof_12 (EH), Flutur_13 (AZ), Forester_21 (EH), Forge_15 (Q), Francois_16 (DI), Franklin22_11 (EB), Gack_11 (EB), Gambol_13 (AZ5), Gancho_14 (Q), GardenState_12 (EH), Giles_15 (Q), Giorgio_13 (AZ5), Glotell_12 (AS3), GrandSlam_16 (DI), Gravallia_15 (Q), Gravel_14 (AS1), Gretchen_12 (EH), Gumpizza_13 (AZ5), HH92_15 (Q), Hadrien_15 (Q), Hail_15 (Q), Halsey_13 (AZ5), HamCheese_12 (AS3), Hamood_16 (DI), HannahPhantana_14 (AS2), Heinz_12 (DY), Hibiscus_12 (DY), Honk_11 (EH), IAmGroot_12 (EH), IUFootball_12 (AZ2), Iter_13 (AZ1), IttyBittyPiggy_13 (AZ1), Janeemi_14 (AZ1), JasmineDragon_12 (AZ4), Jerole_14 (AS2), Joemato_13 (AZ1), JohnDoe_13 (AZ1), JohnThicc_12 (AZ4), Jojo24_12 (DY), Jstan_13 (AZ1), JuneStar_13 (AZ1), Juno112_12 (AS3), JustASigh_12 (AH), KHumphrey_12 (AS3), Kalimba_13 (AZ5), Katzastrophic_12 (EB), Kaylissa_13 (AZ1), KeAlii_13 (AZ1), KendraB23_14 (AS1), Kepler_13 (AS2), Kinbote_15 (Q), Kuleana_13 (AS2), LadyAstra_12 (AZ4), Laphuphu24k_12 (AS3), Lego_13 (AZ1), Leona_12 (AS3), Liebe_12 (AZ2), LilHazelNut_15 (Q), LittleTokyo_13 (AS2), Lizalica_13 (AZ1), London_13 (AZ1), Luke_15 (Q), Luna22_15 (Q), Lunar_14 (AS2), MaGuCo_12 (AZ2), Mabodamaca_12 (EH), Mahdia_11 (CD), MakCheese_14 (DW), Malibo_12 (DW), Maureen_12 (AZ2), Melons_14 (AS2), MiniMommy_11 (AZ4), MissSwiss_13 (AZ1), Moss_13 (AZ5), Mudpuppy_13 (AZ1), Mulch_16 (DI), Mysterium_13 (AZ5), Nadeem_16 (DI), NancyRae_16 (DI), Nesbitt_12 (BL), Niblet_13 (AS1), Niobe_13 (AZ1), Nitro_13 (AZ1), NovoPizza_13 (Q), OBUpride_15 (Q), ObiToo_13 (AZ1), Olliecat_12 (EB), Oppalora_12 (AS3), Orcanus_13 (AS1), Origami_12 (AZ4), OtsoOtso_13 (AS2), Parada_16 (DI), Pelletreau_14 (AS1), Percival_12 (EH), PhirstandPhine_14 (AS2), Phives_14 (AZ1), PhluffyCoco_12 (AS3), Pimento_17 (DI), Pineda_14 (AS2), Pixelle_13 (AZ1), Polka_13 (AS2), Powerpuff_13 (AZ1), Pumpkins_13 (AZ1), Puppies_11 (CD), Quenya_13 (EB), Rattail_12 (AS3), RedFox_12 (AS3), Reedo_13 (AZ1), Rem711_18 (Z), Renna12_13 (AS3), Reyja_13 (DY), RockScotty_13 (AZ5), Rollins_11 (EB), Rowa_12 (BL), Ruthy_13 (DW), Sabourin_13 (AZ5), Santhid_12 (DY), Schaffner_13 (AZ1), ShakeltOph_12 (AZ4), Shayna_11 (EB), Shen_14 (AS1), Simpson_14 (AZ1), Skelbel_13 (AZ1), Skylord_11 (EB), Snek_13 (AZ3), Soondubu_12 (AZ6), Sooty_13 (AZ5), SpecialK_13 (AZ5), Sprinklemunch_12 (DW), Squircle_12 (EB), StuartMinion_12 (AS3), Stuu_13 (AZ5), SuMoo_11 (EH), Subaru_13 (AZ1), Sue2_13 (AZ1), SunnyD_11 (EB), SuperHands_13 (EH), Tallboi_13 (AZ1), Tarzan_12 (DY), TaylorSipht_13 (AS1), Tbone_13 (AZ1), Teagster_11 (EB), TforTroy_13 (AZ1), ThursdayNight_12 (AZ), Tian_13 (AZ1), Toad24_14 (AS1), Trine_11 (CD), Tuck_14 (AZ1), Turab_13 (AZ1), Tutumahutu_13 (AZ1), Tweety19_13 (AZ3), Ubuntu_15 (Q), Upyo_11 (CD), UtzChips_11 (EH), VResidence_13 (AZ1), VWB_13 (BA), Vitas_11 (EB), VroomVroom_12 (AZ4), Warda_13 (AZ1), Webster2_15 (Q), Weirdo19_13 (AH), Westrich_14 (AS1), WheatThin_16 (DI), Widow_11 (CD), Wildwest_14 (AZ1), Wishmaker_15 (Q), Yang_13 (AZ1), YesChef_13 (AZ1), Zeta1847_11 (EH), Zhuangyuan_14 (AS2), Zixiang_13 (AS1), Zodiariah_12 (DW),

Start 57:

- Found in 49 of 778 (6.3%) of genes in pham

- Manual Annotations of this start: 4 of 646
- Called 8.2% of time when present
- Phage (with cluster) where this start called: MalagasyRose_19 (AG), Nergal_17 (AG), Obliviate_13 (CV), Pipp_14 (CV),

Start 58:

- Found in 12 of 778 (1.5%) of genes in pham
- Manual Annotations of this start: 3 of 646
- Called 25.0% of time when present
- Phage (with cluster) where this start called: ATCC29399BT_11 (BU), P100.1_11 (BU), P100A_11 (BU),

Start 59:

- Found in 45 of 778 (5.8%) of genes in pham
- Manual Annotations of this start: 12 of 646
- Called 26.7% of time when present
- Phage (with cluster) where this start called: ATCC29399BC_11 (BU), P1.1_11 (BU), P100D_11 (BU), P101A_11 (BU), P104A_11 (BU), P105_11 (BU), P106A_11 (BU), P106C_11 (BU), P106I_11 (BU), P106L_11 (BU), P106M_11 (BU), P9.1_11 (BU),

Start 60:

- Found in 49 of 778 (6.3%) of genes in pham
- Manual Annotations of this start: 39 of 646
- Called 91.8% of time when present
- Phage (with cluster) where this start called: Archis_15 (CV), Azula_16 (CV), Barco_14 (CV), Begonia_14 (CV), BlingBling_14 (CV), Blino_14 (CV), Blueberry_16 (CV), CaptainKirk2_14 (CV), CarolAnn_14 (CV), CheeseSpider_16 (CV), Delian_14 (CV), Elfy_11 (FP), Fairfaxidum_14 (CV), Ferry_13 (CV), Frokostdame_14 (CV), Gambino_16 (CV), GrimEater_13 (FP), Guacamole_14 (CV), Hitter_14 (CV), Jalammah_15 (CV), Jankie_14 (FP), JasperJr_14 (CV), JuJu_14 (CV), KappaFarmDelta_14 (CV), Lysidious_14 (CV), Malachai_14 (CV), Melba_14 (CV), Mellie_13 (CV), MintFen_14 (CV), MissRona_16 (CV), Murp_14 (CV), PCoral7_14 (CV), Petra_16 (CV), PhrostedPhlake_15 (CV), PrincePatrick_14 (CV), Samba_14 (CV), UmaThurman_14 (CV), Utz_14 (CV), Walrus_15 (CV), William_14 (CV), Wisp_13 (CV), Wocket_15 (CV), Zarbodnamra_14 (CV), ZiggyZoo_13 (CV), Zilla_14 (CV),

Start 61:

- Found in 18 of 778 (2.3%) of genes in pham
- Manual Annotations of this start: 1 of 646
- Called 5.6% of time when present
- Phage (with cluster) where this start called: CallinAllBarbz_12 (FP),

Start 62:

- Found in 25 of 778 (3.2%) of genes in pham
- Manual Annotations of this start: 7 of 646
- Called 92.0% of time when present
- Phage (with cluster) where this start called: Agamoto_16 (FR), AnnabelleLee_14 (FR), Audell_17 (FR), AuntGwenStacy_19 (Y), BaileyBlu_12 (FP), Bipper_19 (Y), CardboardBox_14 (FR), ChamoyPickle_14 (FR), ChipsNGuac_14 (FR), Cracklewink_19 (Y), Ezurina_13 (FR), Faiyaz_19 (Y), Gerri43_14 (FR), Gibbzilla_14 (FB), LastNadiia_17 (FR), Makima_15 (FR), Mireles_14 (FR), Neuville_14 (FR), Roberts_14 (FR), Shambre1_14 (singleton), Studio_14 (FR), TMaxx_14 (FR),

TripleC_17 (FR),

Start 63:

- Found in 25 of 778 (3.2%) of genes in pham
- Manual Annotations of this start: 22 of 646
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Asapag_13 (DN1), BENtherdunthat_13 (DN1), BotCity_13 (DN), Budski_13 (DN), CheeseTouch_13 (DN1), Frickyeah_13 (DN1), Gaia_10 (X), Getalong_13 (DN1), Holliday_13 (DN1), Horus_13 (DN1), Kamaru_13 (DN1), Kenna_13 (DN1), Leroy_13 (DN1), LitninMcQueen_13 (DN1), Lutum_13 (DN1), Malisha_13 (DN), Nebkiss_10 (X), Periwinkle_13 (DN1), Phabuloso_13 (DN1), Phistory_13 (DN1), ShawBrad_13 (DN1), Spooky_13 (DN2), Squiddly_14 (DN2), Stellammi_10 (UNK), Whitney_13 (DN1),

Start 65:

- Found in 73 of 778 (9.4%) of genes in pham
- Manual Annotations of this start: 14 of 646
- Called 21.9% of time when present
- Phage (with cluster) where this start called: Avani_14 (F2), Blarby_15 (F), Che9d_14 (F2), DS6A_16 (singleton), Demsculpinboyz_14 (F2), Fryberger_45 (DP), Guey18_50 (DP), Jabbawokkie_15 (F2), Keelan_43 (DP), Ronaldo_48 (DP), SilverChicken_14 (F2), Soul22_14 (F2), Volt_47 (DP), Yoshi_14 (F2), Zapner_15 (F2), Ziko_48 (DP),

Start 66:

- Found in 11 of 778 (1.4%) of genes in pham
- Manual Annotations of this start: 11 of 646
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apricot_13 (DN3), BearBQ_13 (DN), Birdsong_13 (DN), Crater_13 (DN3), Ecliptus_13 (DN), Kuwabara_13 (DN4), Lucky10_12 (DH), Morkie_12 (DH), MortyNRick_13 (DN), ODay_13 (DN), PhorbesPhlower_12 (DH),

Start 67:

- Found in 59 of 778 (7.6%) of genes in pham
- Manual Annotations of this start: 29 of 646
- Called 69.5% of time when present
- Phage (with cluster) where this start called: Aquarius_11 (BU), Attacne_11 (BU), BruceLethal_11 (BU), Cota_11 (BU), DrParker_11 (BU), Enochoraptor_11 (BU), Enoki_11 (BU), Keiki_11 (BU), Kubed_11 (BU), Lauchelly_11 (BU), Leviosa_11 (BU), LilBandit_11 (BU), MEAK_11 (BU), Moyashi_11 (BU), MrAK_11 (BU), Ouroboros_11 (BU), P104B_11 (BU), P107A_11 (BU), P107C_11 (BU), P108C_11 (BU), PA6_11 (BU), PAD20_11 (BU), PAS50_11 (BU), PHL010M04_11 (BU), PHL037M02_11 (BU), PHL060L00_11 (BU), PHL067M10_11 (BU), PHL071N05_11 (BU), PHL111M01_11 (BU), PHL112N00_11 (BU), PHL113M01_11 (BU), PHL114L00_11 (BU), Pirate_11 (BU), Procrass1_11 (BU), QueenBey_11 (BU), Rileysaurus_11 (BU), SKKY_11 (BU), Solid_11 (BU), Stormborn_11 (BU), Supernova_11 (BU), Wizzo_11 (BU),

Start 68:

- Found in 6 of 778 (0.8%) of genes in pham
- Manual Annotations of this start: 5 of 646
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bimmel_56 (BT), Ibantik_76 (singleton), Ponzi_51 (singleton), RunningOnE_72 (UNK), Spooks_57 (BT), Success_58 (BT),

Start 69:

- Found in 368 of 778 (47.3%) of genes in pham
- Manual Annotations of this start: 1 of 646
- Called 0.3% of time when present
- Phage (with cluster) where this start called: Spartoi_11 (singleton),

Start 74:

- Found in 12 of 778 (1.5%) of genes in pham
- Manual Annotations of this start: 1 of 646
- Called 8.3% of time when present
- Phage (with cluster) where this start called: Samy_17 (singleton),

Start 75:

- Found in 11 of 778 (1.4%) of genes in pham
- Manual Annotations of this start: 10 of 646
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Banquo_21 (CU1), Dardanus_19 (CU3), DinoDaryn_19 (CU1), Goib_18 (CU1), Gspu1_15 (CU2), Huff_19 (CU1), Schmidt_15 (CU4), Splinter_17 (CU1), TZGordon_19 (CU1), TinaLin_20 (CU1), Vendetta_17 (CU1),

Start 76:

- Found in 8 of 778 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 646
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Catfish_16 (CU5),

Start 78:

- Found in 29 of 778 (3.7%) of genes in pham
- Manual Annotations of this start: 1 of 646
- Called 3.4% of time when present
- Phage (with cluster) where this start called: Kromp_14 (singleton),

Summary by clusters:

There are 62 clusters represented in this pham: DN, FP, FR, BA, DH, DI, BL, UNK, DY, singleton, BT, BU, K1, K7, K6, K5, K4, DW, K8, DP, G5, G4, CU3, AG, G1, DN4, DN1, DN3, DN2, G3, AS3, AS2, AS1, AB, EH, G, F, AH, CU5, CD, Q, CU4, CU2, Y, X, EB, CV, G2, K3, F2, CU1, K2, Z, FB, AZ, AZ1, AZ2, AZ3, AZ4, AZ5, AZ6, AZ7,

Info for manual annotations of cluster AB:

- Start number 39 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AG:

- Start number 57 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AH:

- Start number 56 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster AS1:

- Start number 56 was manually annotated 4 times for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 56 was manually annotated 17 times for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 56 was manually annotated 14 times for cluster AS3.

Info for manual annotations of cluster AZ1:

- Start number 56 was manually annotated 46 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 56 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 56 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 56 was manually annotated 5 times for cluster AZ4.

Info for manual annotations of cluster AZ5:

- Start number 56 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster AZ6:

- Start number 56 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster BL:

- Start number 56 was manually annotated 3 times for cluster BL.

Info for manual annotations of cluster BT:

- Start number 68 was manually annotated 3 times for cluster BT.

Info for manual annotations of cluster BU:

- Start number 40 was manually annotated 1 time for cluster BU.
- Start number 58 was manually annotated 3 times for cluster BU.
- Start number 59 was manually annotated 12 times for cluster BU.
- Start number 67 was manually annotated 29 times for cluster BU.

Info for manual annotations of cluster CD:

- Start number 48 was manually annotated 2 times for cluster CD.
- Start number 56 was manually annotated 5 times for cluster CD.

Info for manual annotations of cluster CU1:

- Start number 75 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 75 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 75 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 76 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:

- Start number 42 was manually annotated 1 time for cluster CV.
- Start number 57 was manually annotated 2 times for cluster CV.
- Start number 60 was manually annotated 39 times for cluster CV.

Info for manual annotations of cluster DH:

- Start number 66 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DI:

- Start number 56 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DN:

- Start number 63 was manually annotated 3 times for cluster DN.
- Start number 66 was manually annotated 5 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 63 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 63 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 66 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 66 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DP:

- Start number 65 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DW:

- Start number 56 was manually annotated 5 times for cluster DW.

Info for manual annotations of cluster DY:

- Start number 56 was manually annotated 7 times for cluster DY.

Info for manual annotations of cluster EB:

- Start number 56 was manually annotated 24 times for cluster EB.

Info for manual annotations of cluster EH:

- Start number 56 was manually annotated 13 times for cluster EH.

Info for manual annotations of cluster F2:

- Start number 65 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster FP:

- Start number 61 was manually annotated 1 time for cluster FP.
- Start number 62 was manually annotated 1 time for cluster FP.

Info for manual annotations of cluster FR:

- Start number 62 was manually annotated 2 times for cluster FR.

Info for manual annotations of cluster G1:

- Start number 36 was manually annotated 62 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 36 was manually annotated 3 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 36 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 36 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 36 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster K1:

- Start number 36 was manually annotated 94 times for cluster K1.
- Start number 37 was manually annotated 5 times for cluster K1.
- Start number 39 was manually annotated 9 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 30 was manually annotated 3 times for cluster K2.
- Start number 32 was manually annotated 8 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 35 was manually annotated 7 times for cluster K3.
- Start number 36 was manually annotated 2 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 39 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 36 was manually annotated 23 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 14 was manually annotated 1 time for cluster K6.
- Start number 36 was manually annotated 13 times for cluster K6.
- Start number 39 was manually annotated 10 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 39 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 39 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster Q:

- Start number 56 was manually annotated 23 times for cluster Q.

Info for manual annotations of cluster X:

- Start number 63 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 29 was manually annotated 2 times for cluster Y.
- Start number 62 was manually annotated 3 times for cluster Y.

Info for manual annotations of cluster Z:

- Start number 56 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 32HC_19 Start: 11470, Stop: 12039, Start Num: 56

Candidate Starts for 32HC_19:

(Start: 56 @11470 has 205 MA's), (79, 11515), (109, 11620), (143, 11752), (150, 11782), (151, 11785),

Gene: 8UZL_15 Start: 9344, Stop: 9985, Start Num: 39

Candidate Starts for 8UZL_15:

(25, 9311), (Start: 39 @9344 has 47 MA's), (64, 9377), (Start: 69 @9386 has 1 MA's), (Start: 76 @9404 has 1 MA's), (98, 9470), (111, 9509), (114, 9524), (143, 9629), (149, 9650), (154, 9680), (166, 9719), (182, 9764), (204, 9848), (208, 9869),

Gene: AEgle_13 Start: 9479, Stop: 10030, Start Num: 56

Candidate Starts for AEgle_13:

(Start: 56 @9479 has 205 MA's), (112, 9596), (145, 9722), (150, 9743), (153, 9758), (211, 9962),

Gene: AGrandiflora_13 Start: 9464, Stop: 10015, Start Num: 56

Candidate Starts for AGrandiflora_13:

(Start: 56 @9464 has 205 MA's), (145, 9707), (150, 9728), (153, 9743), (211, 9947),

Gene: ATCC29399BC_11 Start: 7150, Stop: 7785, Start Num: 59

Candidate Starts for ATCC29399BC_11:

(Start: 59 @7150 has 12 MA's), (Start: 65 @7159 has 14 MA's), (Start: 67 @7162 has 29 MA's), (100, 7255), (123, 7342), (182, 7531), (183, 7534), (185, 7543), (205, 7627), (209, 7642), (211, 7648), (222, 7690), (227, 7708),

Gene: ATCC29399BT_11 Start: 7147, Stop: 7782, Start Num: 58

Candidate Starts for ATCC29399BT_11:

(54, 7141), (Start: 58 @7147 has 3 MA's), (Start: 65 @7156 has 14 MA's), (Start: 67 @7159 has 29 MA's), (111, 7291), (123, 7339), (126, 7363), (182, 7528), (183, 7531), (205, 7624), (209, 7639), (211, 7645), (222, 7687), (227, 7705),

Gene: AbbeyMikolon_12 Start: 8168, Stop: 8740, Start Num: 56

Candidate Starts for AbbeyMikolon_12:

(21, 8084), (Start: 56 @8168 has 205 MA's), (Start: 76 @8201 has 1 MA's), (86, 8228), (91, 8237), (99, 8264), (112, 8291), (144, 8411), (151, 8438), (153, 8450), (158, 8468), (178, 8525), (200, 8600),

Gene: ActinUp_18 Start: 10504, Stop: 11118, Start Num: 36

Candidate Starts for ActinUp_18:

(Start: 36 @10504 has 203 MA's), (Start: 69 @10549 has 1 MA's), (111, 10672), (125, 10726), (138, 10783), (144, 10798), (166, 10882), (168, 10888), (182, 10927), (185, 10939), (192, 10966), (204, 11011), (206, 11026), (213, 11050), (230, 11107),

Gene: Adephagia_18 Start: 10504, Stop: 11118, Start Num: 36

Candidate Starts for Adephagia_18:

(Start: 36 @10504 has 203 MA's), (Start: 69 @10549 has 1 MA's), (111, 10672), (125, 10726), (138, 10783), (144, 10798), (166, 10882), (168, 10888), (182, 10927), (185, 10939), (192, 10966), (204, 11011), (206, 11026), (213, 11050), (230, 11107),

Gene: Adolin_13 Start: 9458, Stop: 10006, Start Num: 56

Candidate Starts for Adolin_13:

(Start: 56 @9458 has 205 MA's), (153, 9737), (197, 9881), (207, 9926),

Gene: Adonis_18 Start: 10513, Stop: 11127, Start Num: 36

Candidate Starts for Adonis_18:

(Start: 36 @10513 has 203 MA's), (Start: 69 @10558 has 1 MA's), (111, 10681), (125, 10735), (138, 10792), (144, 10807), (166, 10891), (168, 10897), (182, 10936), (185, 10948), (192, 10975), (204, 11020), (206, 11035), (213, 11059),

Gene: AdoptaAdorbs_12 Start: 8378, Stop: 8959, Start Num: 56

Candidate Starts for AdoptaAdorbs_12:

(Start: 56 @8378 has 205 MA's), (Start: 69 @8399 has 1 MA's), (154, 8687), (182, 8771), (192, 8810), (193, 8813), (201, 8846), (217, 8915), (228, 8945),

Gene: Adumb2043_13 Start: 9478, Stop: 10029, Start Num: 56

Candidate Starts for Adumb2043_13:

(Start: 56 @9478 has 205 MA's), (112, 9595), (145, 9721), (150, 9742), (153, 9757), (211, 9961),

Gene: Agamoto_16 Start: 11215, Stop: 11793, Start Num: 62

Candidate Starts for Agamoto_16:

(Start: 62 @11215 has 7 MA's), (73, 11242), (149, 11494),

Gene: Agent47_16 Start: 10624, Stop: 11235, Start Num: 36

Candidate Starts for Agent47_16:

(Start: 36 @10624 has 203 MA's), (Start: 69 @10669 has 1 MA's), (125, 10846), (138, 10903), (144, 10918), (149, 10933), (166, 11002), (168, 11008), (182, 11047), (188, 11074), (204, 11131), (206, 11146), (213, 11170), (220, 11200),

Gene: Ageofdapage_18 Start: 10435, Stop: 11046, Start Num: 37

Candidate Starts for Ageofdapage_18:

(Start: 37 @10435 has 5 MA's), (Start: 69 @10477 has 1 MA's), (111, 10600), (125, 10654), (138, 10711), (144, 10726), (154, 10771), (166, 10810), (168, 10816), (182, 10855), (185, 10867), (192, 10894), (204, 10939), (206, 10954), (213, 10978),

Gene: AinMach_12 Start: 8582, Stop: 9136, Start Num: 56

Candidate Starts for AinMach_12:

(Start: 56 @8582 has 205 MA's), (153, 8861), (169, 8918), (200, 9017), (207, 9053), (212, 9071),

Gene: AizenPogi_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for AizenPogi_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256),

(177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: AlexMinion_12 Start: 8406, Stop: 8987, Start Num: 56

Candidate Starts for AlexMinion_12:

(8, 8169), (9, 8190), (15, 8265), (Start: 30 @8355 has 3 MA's), (Start: 56 @8406 has 205 MA's), (Start: 69 @8427 has 1 MA's), (154, 8715), (155, 8721), (182, 8799), (192, 8838), (193, 8841), (228, 8973),

Gene: AlishaPH_18 Start: 10503, Stop: 11114, Start Num: 36

Candidate Starts for AlishaPH_18:

(Start: 36 @10503 has 203 MA's), (Start: 69 @10545 has 1 MA's), (125, 10722), (138, 10779), (144, 10794), (166, 10878), (168, 10884), (182, 10923), (185, 10935), (192, 10962), (204, 11007), (206, 11022), (213, 11046), (230, 11103),

Gene: AlleyCat_16 Start: 10500, Stop: 11111, Start Num: 36

Candidate Starts for AlleyCat_16:

(Start: 36 @10500 has 203 MA's), (Start: 69 @10545 has 1 MA's), (138, 10779), (144, 10794), (149, 10809), (166, 10878), (168, 10884), (182, 10923), (185, 10935), (188, 10950), (204, 11007), (206, 11022), (213, 11046), (220, 11076),

Gene: Amanises_14 Start: 8961, Stop: 9545, Start Num: 56

Candidate Starts for Amanises_14:

(Start: 56 @8961 has 205 MA's), (201, 9429), (217, 9498), (221, 9510),

Gene: Amelia_14 Start: 8964, Stop: 9545, Start Num: 56

Candidate Starts for Amelia_14:

(Start: 56 @8964 has 205 MA's), (Start: 69 @8985 has 1 MA's), (100, 9072), (114, 9120), (154, 9273), (182, 9357), (191, 9393), (193, 9399), (201, 9432), (217, 9501),

Gene: Amelie_14 Start: 9777, Stop: 10388, Start Num: 36

Candidate Starts for Amelie_14:

(Start: 36 @9777 has 203 MA's), (Start: 56 @9798 has 205 MA's), (Start: 69 @9819 has 1 MA's), (111, 9942), (114, 9957), (125, 9996), (138, 10053), (144, 10068), (154, 10113), (166, 10152), (168, 10158), (182, 10197), (185, 10209), (204, 10281), (206, 10296), (213, 10320), (220, 10350),

Gene: Amgine_16 Start: 10111, Stop: 10827, Start Num: 14

Candidate Starts for Amgine_16:

(6, 9946), (Start: 14 @10111 has 1 MA's), (22, 10174), (24, 10183), (Start: 39 @10216 has 47 MA's), (Start: 69 @10258 has 1 MA's), (111, 10381), (116, 10402), (125, 10435), (138, 10492), (144, 10507), (166, 10591), (168, 10597), (182, 10636), (185, 10648), (192, 10675), (206, 10735), (213, 10759),

Gene: AmiCi24_12 Start: 8378, Stop: 8959, Start Num: 56

Candidate Starts for AmiCi24_12:

(Start: 56 @8378 has 205 MA's), (Start: 69 @8399 has 1 MA's), (154, 8687), (182, 8771), (192, 8810), (193, 8813), (201, 8846), (217, 8915), (228, 8945),

Gene: Aminay_16 Start: 10358, Stop: 10966, Start Num: 39

Candidate Starts for Aminay_16:

(Start: 39 @10358 has 47 MA's), (80, 10433), (97, 10481), (114, 10538), (116, 10544), (138, 10634), (149, 10664), (154, 10694), (158, 10706), (166, 10733), (168, 10739), (188, 10805), (204, 10862), (206, 10877), (213, 10901),

Gene: Amochick_15 Start: 9932, Stop: 10471, Start Num: 56

Candidate Starts for Amochick_15:

(Start: 56 @9932 has 205 MA's), (Start: 69 @9953 has 1 MA's), (70, 9956), (71, 9959), (79, 9977), (101, 10043), (114, 10079), (133, 10160), (144, 10193), (150, 10217), (171, 10265), (180, 10289), (191, 10331), (211, 10412),

Gene: Amohnition_17 Start: 10531, Stop: 11145, Start Num: 39

Candidate Starts for Amohnition_17:

(Start: 39 @10531 has 47 MA's), (55, 10552), (Start: 56 @10555 has 205 MA's), (Start: 69 @10576 has 1 MA's), (116, 10720), (125, 10753), (138, 10810), (144, 10825), (166, 10909), (168, 10915), (182, 10954), (185, 10966), (192, 10993), (206, 11053), (213, 11077), (220, 11107),

Gene: Amphitrite_12 Start: 8376, Stop: 8957, Start Num: 56

Candidate Starts for Amphitrite_12:

(Start: 56 @8376 has 205 MA's), (Start: 69 @8397 has 1 MA's), (154, 8685), (182, 8769), (192, 8808), (193, 8811), (201, 8844), (217, 8913), (228, 8943),

Gene: Amploria_13 Start: 9478, Stop: 10029, Start Num: 56

Candidate Starts for Amploria_13:

(Start: 56 @9478 has 205 MA's), (112, 9595), (145, 9721), (150, 9742), (153, 9757), (211, 9961),

Gene: Amyev_13 Start: 9490, Stop: 10041, Start Num: 56

Candidate Starts for Amyev_13:

(Start: 56 @9490 has 205 MA's), (145, 9733), (150, 9754),

Gene: Amymech_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for Amymech_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295), (191, 10337), (211, 10418),

Gene: Anaya_19 Start: 10513, Stop: 11124, Start Num: 37

Candidate Starts for Anaya_19:

(Start: 37 @10513 has 5 MA's), (Start: 69 @10555 has 1 MA's), (111, 10678), (138, 10789), (144, 10804), (154, 10849), (166, 10888), (168, 10894), (182, 10933), (204, 11017), (206, 11032), (213, 11056),

Gene: Andrew_13 Start: 8753, Stop: 9334, Start Num: 56

Candidate Starts for Andrew_13:

(Start: 56 @8753 has 205 MA's), (Start: 69 @8774 has 1 MA's), (154, 9062), (182, 9146), (191, 9182), (207, 9248), (228, 9320),

Gene: Angel_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Angel_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Angelica_18 Start: 10475, Stop: 11089, Start Num: 36

Candidate Starts for Angelica_18:

(Start: 36 @10475 has 203 MA's), (Start: 69 @10520 has 1 MA's), (111, 10643), (125, 10697), (138, 10754), (144, 10769), (166, 10853), (168, 10859), (182, 10898), (185, 10910), (192, 10937), (204, 10982), (206, 10997), (213, 11021), (230, 11078),

Gene: Anma_18 Start: 10446, Stop: 11060, Start Num: 36

Candidate Starts for Anma_18:

(Start: 36 @10446 has 203 MA's), (53, 10464), (Start: 69 @10491 has 1 MA's), (125, 10668), (138, 10725), (144, 10740), (149, 10755), (154, 10785), (166, 10824), (168, 10830), (182, 10869), (185, 10881), (192, 10908), (204, 10953), (206, 10968), (213, 10992),

Gene: AnnabelLee_14 Start: 8154, Stop: 8732, Start Num: 62

Candidate Starts for AnnabelLee_14:

(Start: 62 @8154 has 7 MA's), (149, 8433), (177, 8535), (193, 8589), (228, 8721),

Gene: Annihilator_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Annihilator_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Antrice_13 Start: 8717, Stop: 9298, Start Num: 56

Candidate Starts for Antrice_13:

(Start: 56 @8717 has 205 MA's), (Start: 69 @8738 has 1 MA's), (154, 9026), (182, 9110), (192, 9149), (211, 9227), (228, 9284),

Gene: Antsirabe_13 Start: 10190, Stop: 10810, Start Num: 36

Candidate Starts for Antsirabe_13:

(Start: 36 @10190 has 203 MA's), (53, 10214), (77, 10265), (97, 10322), (111, 10364), (114, 10379), (138, 10475), (144, 10490), (150, 10514), (154, 10535), (166, 10574), (173, 10598), (188, 10646), (195, 10670), (197, 10676), (206, 10718), (213, 10742), (220, 10772),

Gene: Apocalypse_18 Start: 10479, Stop: 11093, Start Num: 36

Candidate Starts for Apocalypse_18:

(Start: 36 @10479 has 203 MA's), (Start: 69 @10524 has 1 MA's), (111, 10647), (125, 10701), (138, 10758), (144, 10773), (166, 10857), (168, 10863), (182, 10902), (185, 10914), (192, 10941), (204, 10986), (206, 11001), (213, 11025), (230, 11082),

Gene: Applecrisp_16 Start: 10618, Stop: 11232, Start Num: 39

Candidate Starts for Applecrisp_16:

(Start: 14 @10513 has 1 MA's), (22, 10576), (24, 10585), (Start: 39 @10618 has 47 MA's), (Start: 56 @10642 has 205 MA's), (Start: 69 @10663 has 1 MA's), (111, 10786), (116, 10807), (125, 10840), (138, 10897), (144, 10912), (166, 10996), (168, 11002), (182, 11041), (185, 11053), (192, 11080), (206, 11140), (213, 11164),

Gene: Applejacks_11 Start: 7579, Stop: 8121, Start Num: 56

Candidate Starts for Applejacks_11:

(Start: 56 @7579 has 205 MA's), (79, 7624), (111, 7717), (133, 7813), (140, 7834), (150, 7870),

Gene: Apricot_13 Start: 7836, Stop: 8429, Start Num: 66

Candidate Starts for Apricot_13:

(Start: 66 @7836 has 11 MA's), (Start: 74 @7857 has 1 MA's), (83, 7881), (116, 7995), (129, 8055), (138, 8085), (147, 8109), (149, 8115), (155, 8151), (157, 8154), (168, 8190), (182, 8229), (209, 8340),

Gene: Aquarius_11 Start: 7160, Stop: 7801, Start Num: 67

Candidate Starts for Aquarius_11:

(26, 7076), (38, 7106), (Start: 48 @7130 has 2 MA's), (Start: 60 @7148 has 39 MA's), (Start: 65 @7157 has 14 MA's), (Start: 67 @7160 has 29 MA's), (100, 7253), (123, 7340), (130, 7376), (141, 7412), (181, 7526), (182, 7529), (183, 7532), (205, 7625), (209, 7640), (211, 7646), (222, 7688), (227, 7706),

Gene: ArchiDore_13 Start: 8427, Stop: 8969, Start Num: 56

Candidate Starts for ArchiDore_13:

(28, 8376), (51, 8421), (Start: 56 @8427 has 205 MA's), (88, 8496), (131, 8655), (133, 8661), (171, 8766), (221, 8952),

Gene: Archis_15 Start: 8891, Stop: 9529, Start Num: 60

Candidate Starts for Archis_15:

(Start: 57 @8888 has 4 MA's), (Start: 60 @8891 has 39 MA's), (93, 8981), (97, 8996), (135, 9149), (154, 9224), (161, 9248), (182, 9296), (197, 9353), (205, 9392), (228, 9476), (233, 9512),

Gene: Armstrong_11 Start: 8096, Stop: 8680, Start Num: 56

Candidate Starts for Armstrong_11:

(Start: 56 @8096 has 205 MA's), (Start: 61 @8102 has 1 MA's), (Start: 69 @8117 has 1 MA's), (71, 8123), (103, 8207), (114, 8255), (154, 8408), (155, 8414), (166, 8447), (189, 8522), (191, 8528), (193, 8534),

Gene: Aroostook_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Aroostook_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Asa16_13 Start: 9448, Stop: 9999, Start Num: 56

Candidate Starts for Asa16_13:

(Start: 56 @9448 has 205 MA's), (150, 9712), (153, 9727), (211, 9931),

Gene: Asapag_13 Start: 7514, Stop: 8086, Start Num: 63

Candidate Starts for Asapag_13:

(Start: 63 @7514 has 22 MA's), (72, 7535), (79, 7556), (85, 7568), (128, 7727), (143, 7769), (151, 7802), (207, 7991), (231, 8075),

Gene: Asayake_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Asayake_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: Ascela_13 Start: 9483, Stop: 10034, Start Num: 56

Candidate Starts for Ascela_13:

(Start: 56 @9483 has 205 MA's), (96, 9570), (150, 9747), (153, 9762),

Gene: Ashes_13 Start: 8980, Stop: 9540, Start Num: 56

Candidate Starts for Ashes_13:

(Start: 56 @8980 has 205 MA's), (145, 9223), (153, 9259), (172, 9322), (207, 9448), (222, 9505),

Gene: Atiba_18 Start: 10467, Stop: 11081, Start Num: 36

Candidate Starts for Atiba_18:

(Start: 36 @10467 has 203 MA's), (Start: 69 @10512 has 1 MA's), (111, 10635), (125, 10689), (138, 10746), (144, 10761), (166, 10845), (168, 10851), (182, 10890), (185, 10902), (192, 10929), (204, 10974), (206, 10989), (213, 11013),

Gene: Atlantica_12 Start: 8378, Stop: 8959, Start Num: 56

Candidate Starts for Atlantica_12:

(Start: 56 @8378 has 205 MA's), (Start: 69 @8399 has 1 MA's), (154, 8687), (182, 8771), (192, 8810), (193, 8813), (201, 8846), (217, 8915), (228, 8945),

Gene: Attacne_11 Start: 7163, Stop: 7786, Start Num: 67

Candidate Starts for Attacne_11:

(Start: 59 @7151 has 12 MA's), (Start: 65 @7160 has 14 MA's), (Start: 67 @7163 has 29 MA's), (100, 7256), (123, 7343), (130, 7379), (182, 7532), (183, 7535), (205, 7628), (209, 7643), (211, 7649), (222, 7691), (227, 7709),

Gene: Audell_17 Start: 11494, Stop: 12072, Start Num: 62

Candidate Starts for Audell_17:

(Start: 62 @11494 has 7 MA's), (174, 11869),

Gene: AuntGwenStacy_19 Start: 12547, Stop: 13128, Start Num: 62

Candidate Starts for AuntGwenStacy_19:

(Start: 29 @12487 has 2 MA's), (44, 12517), (Start: 62 @12547 has 7 MA's), (80, 12592), (128, 12763), (145, 12814), (149, 12826), (154, 12856), (182, 12940), (189, 12970), (204, 13024), (228, 13117),

Gene: Avani_14 Start: 7679, Stop: 8272, Start Num: 65

Candidate Starts for Avani_14:

(Start: 65 @7679 has 14 MA's), (72, 7697), (111, 7814), (121, 7853), (136, 7919), (149, 7952), (151, 7964), (155, 7988), (182, 8060), (184, 8069), (186, 8081), (189, 8093), (197, 8117), (201, 8135),

Gene: Avocado_13 Start: 10012, Stop: 10632, Start Num: 36

Candidate Starts for Avocado_13:

(Start: 36 @10012 has 203 MA's), (77, 10087), (97, 10144), (111, 10186), (114, 10201), (138, 10297), (144, 10312), (150, 10336), (154, 10357), (166, 10396), (173, 10420), (182, 10441), (188, 10468), (197, 10498), (206, 10540), (213, 10564),

Gene: Avrafan_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Avrafan_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Ayotoya_16 Start: 9985, Stop: 10530, Start Num: 56

Candidate Starts for Ayotoya_16:

(Start: 56 @9985 has 205 MA's), (Start: 69 @10006 has 1 MA's), (88, 10054), (189, 10384),

Gene: Azaz_12 Start: 8429, Stop: 9010, Start Num: 56

Candidate Starts for Azaz_12:

(Start: 56 @8429 has 205 MA's), (Start: 69 @8450 has 1 MA's), (154, 8738), (182, 8822), (192, 8861), (193, 8864), (201, 8897), (217, 8966), (228, 8996),

Gene: Azula_16 Start: 9023, Stop: 9661, Start Num: 60

Candidate Starts for Azula_16:

(Start: 57 @9020 has 4 MA's), (Start: 60 @9023 has 39 MA's), (93, 9113), (97, 9128), (115, 9194), (124, 9230), (135, 9281), (154, 9356), (161, 9380), (182, 9428), (197, 9485), (205, 9524), (228, 9608), (233, 9644),

Gene: AzulaCat_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for AzulaCat_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: BAjuniper_12 Start: 8258, Stop: 8848, Start Num: 56

Candidate Starts for BAjuniper_12:

(Start: 56 @8258 has 205 MA's), (Start: 61 @8264 has 1 MA's), (Start: 69 @8279 has 1 MA's), (111, 8402), (114, 8417), (154, 8570), (166, 8609), (168, 8615), (182, 8654), (192, 8693),

Gene: BEEST_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for BEEST_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: BENtherdunthat_13 Start: 7514, Stop: 8086, Start Num: 63

Candidate Starts for BENtherdunthat_13:

(Start: 63 @7514 has 22 MA's), (72, 7535), (79, 7556), (85, 7568), (128, 7727), (143, 7769), (151, 7802), (207, 7991), (231, 8075),

Gene: BGlluviae_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for BGlluviae_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: BPs_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for BPs_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: BQuat_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for BQuat_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Babushka_12 Start: 8426, Stop: 9007, Start Num: 56

Candidate Starts for Babushka_12:

(Start: 56 @8426 has 205 MA's), (Start: 69 @8447 has 1 MA's), (154, 8735), (182, 8819), (192, 8858), (201, 8894), (217, 8963), (228, 8993),

Gene: Bachaco_12 Start: 8464, Stop: 9054, Start Num: 56

Candidate Starts for Bachaco_12:

(Start: 56 @8464 has 205 MA's), (Start: 61 @8470 has 1 MA's), (Start: 69 @8485 has 1 MA's), (79, 8512), (86, 8527), (103, 8575), (111, 8608), (114, 8623), (154, 8776), (166, 8815), (168, 8821), (182, 8860), (192, 8899), (198, 8920),

Gene: BaghaKamala_18 Start: 10470, Stop: 11084, Start Num: 36

Candidate Starts for BaghaKamala_18:

(Start: 36 @10470 has 203 MA's), (Start: 69 @10515 has 1 MA's), (111, 10638), (125, 10692), (138, 10749), (144, 10764), (166, 10848), (168, 10854), (182, 10893), (185, 10905), (192, 10932), (204,

10977), (206, 10992), (213, 11016), (230, 11073),

Gene: BaileyBlu_12 Start: 7191, Stop: 7754, Start Num: 62

Candidate Starts for BaileyBlu_12:

(Start: 62 @7191 has 7 MA's), (79, 7236), (85, 7248), (99, 7293), (126, 7398), (137, 7434), (157, 7500), (171, 7539), (182, 7566), (187, 7590), (195, 7617), (205, 7662),

Gene: BananenDer11_16 Start: 10585, Stop: 11196, Start Num: 36

Candidate Starts for BananenDer11_16:

(Start: 36 @10585 has 203 MA's), (Start: 69 @10630 has 1 MA's), (125, 10807), (138, 10864), (144, 10879), (149, 10894), (166, 10963), (168, 10969), (182, 11008), (188, 11035), (204, 11092), (206, 11107), (213, 11131), (220, 11161),

Gene: Banquo_21 Start: 11777, Stop: 12373, Start Num: 75

Candidate Starts for Banquo_21:

(Start: 75 @11777 has 10 MA's), (102, 11861), (108, 11885), (121, 11939), (152, 12062), (184, 12173), (185, 12176), (186, 12185), (192, 12203), (202, 12242), (216, 12293),

Gene: Barco_14 Start: 8679, Stop: 9317, Start Num: 60

Candidate Starts for Barco_14:

(Start: 57 @8676 has 4 MA's), (Start: 60 @8679 has 39 MA's), (93, 8769), (97, 8784), (135, 8937), (154, 9012), (161, 9036), (182, 9084), (197, 9141), (205, 9180), (228, 9264), (233, 9300),

Gene: Barkley26_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Barkley26_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (149, 10163), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Barnstormer_11 Start: 8636, Stop: 9199, Start Num: 56

Candidate Starts for Barnstormer_11:

(Start: 56 @8636 has 205 MA's), (112, 8753), (197, 9059), (217, 9146),

Gene: BarrelRoll_18 Start: 10496, Stop: 11107, Start Num: 36

Candidate Starts for BarrelRoll_18:

(Start: 36 @10496 has 203 MA's), (Start: 69 @10538 has 1 MA's), (111, 10661), (125, 10715), (138, 10772), (144, 10787), (166, 10871), (168, 10877), (182, 10916), (185, 10928), (192, 10955), (204, 11000), (206, 11015), (213, 11039), (230, 11096),

Gene: BearBQ_13 Start: 7836, Stop: 8429, Start Num: 66

Candidate Starts for BearBQ_13:

(Start: 66 @7836 has 11 MA's), (Start: 74 @7857 has 1 MA's), (83, 7881), (127, 8049), (147, 8109), (149, 8115), (155, 8151), (157, 8154), (168, 8190),

Gene: Beaupre_13 Start: 8981, Stop: 9541, Start Num: 56

Candidate Starts for Beaupre_13:

(Start: 56 @8981 has 205 MA's), (145, 9224), (153, 9260), (172, 9323), (207, 9449), (222, 9506),

Gene: Bedetta_14 Start: 8964, Stop: 9545, Start Num: 56

Candidate Starts for Bedetta_14:

(Start: 56 @8964 has 205 MA's), (Start: 69 @8985 has 1 MA's), (100, 9072), (114, 9120), (154, 9273), (182, 9357), (191, 9393), (193, 9399), (201, 9432), (217, 9501),

Gene: Beezoo_18 Start: 10524, Stop: 11135, Start Num: 36

Candidate Starts for Beezoo_18:

(Start: 36 @10524 has 203 MA's), (Start: 69 @10566 has 1 MA's), (111, 10689), (125, 10743), (138, 10800), (144, 10815), (166, 10899), (168, 10905), (182, 10944), (185, 10956), (192, 10983), (204, 11028), (206, 11043), (213, 11067),

Gene: Begonia_14 Start: 8682, Stop: 9320, Start Num: 60

Candidate Starts for Begonia_14:

(Start: 57 @8679 has 4 MA's), (Start: 60 @8682 has 39 MA's), (93, 8772), (97, 8787), (115, 8853), (154, 9015), (161, 9039), (182, 9087), (197, 9144), (205, 9183), (228, 9267), (233, 9303),

Gene: Bella96_18 Start: 10425, Stop: 11039, Start Num: 36

Candidate Starts for Bella96_18:

(Start: 36 @10425 has 203 MA's), (Start: 69 @10470 has 1 MA's), (125, 10647), (138, 10704), (144, 10719), (149, 10734), (154, 10764), (166, 10803), (168, 10809), (182, 10848), (185, 10860), (192, 10887), (204, 10932), (206, 10947), (213, 10971),

Gene: Belladonna_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Belladonna_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: Bern_18 Start: 10456, Stop: 11070, Start Num: 36

Candidate Starts for Bern_18:

(Start: 36 @10456 has 203 MA's), (Start: 69 @10501 has 1 MA's), (111, 10624), (125, 10678), (138, 10735), (144, 10750), (154, 10795), (166, 10834), (168, 10840), (182, 10879), (185, 10891), (192, 10918), (204, 10963), (206, 10978), (213, 11002),

Gene: Bernstein_11 Start: 8156, Stop: 8740, Start Num: 56

Candidate Starts for Bernstein_11:

(Start: 56 @8156 has 205 MA's), (Start: 61 @8162 has 1 MA's), (Start: 69 @8177 has 1 MA's), (71, 8183), (114, 8315), (154, 8468), (155, 8474), (166, 8507), (189, 8582), (191, 8588), (193, 8594),

Gene: Berrie_13 Start: 9450, Stop: 10001, Start Num: 56

Candidate Starts for Berrie_13:

(Start: 56 @9450 has 205 MA's), (150, 9714), (153, 9729),

Gene: BetterKatz_16 Start: 9953, Stop: 10498, Start Num: 56

Candidate Starts for BetterKatz_16:

(Start: 56 @9953 has 205 MA's), (Start: 69 @9974 has 1 MA's), (221, 10478),

Gene: Bible12_14 Start: 8967, Stop: 9548, Start Num: 56

Candidate Starts for Bible12_14:

(Start: 56 @8967 has 205 MA's), (Start: 69 @8988 has 1 MA's), (100, 9075), (114, 9123), (154, 9276), (182, 9360), (191, 9396), (193, 9402), (201, 9435), (217, 9504),

Gene: Biglebops_14 Start: 9777, Stop: 10388, Start Num: 36

Candidate Starts for Biglebops_14:

(Start: 36 @9777 has 203 MA's), (Start: 56 @9798 has 205 MA's), (Start: 69 @9819 has 1 MA's), (111, 9942), (114, 9957), (125, 9996), (138, 10053), (144, 10068), (154, 10113), (166, 10152), (168, 10158), (182, 10197), (185, 10209), (204, 10281), (206, 10296), (213, 10320), (220, 10350),

Gene: Bimmel_56 Start: 31804, Stop: 32394, Start Num: 68

Candidate Starts for Bimmel_56:

(55, 31786), (Start: 68 @31804 has 5 MA's), (111, 31942), (132, 32029), (138, 32050), (156, 32122), (183, 32209), (191, 32242), (192, 32245), (196, 32260),

Gene: Bipper_19 Start: 12607, Stop: 13194, Start Num: 62

Candidate Starts for Bipper_19:

(33, 12580), (Start: 62 @12607 has 7 MA's), (73, 12631), (80, 12652), (85, 12664), (126, 12817), (128, 12823), (144, 12871), (145, 12874), (149, 12886), (154, 12916), (180, 12994), (182, 13000), (189, 13030), (200, 13066), (204, 13084), (211, 13117), (227, 13174), (228, 13177), (229, 13180),

Gene: Birdsong_13 Start: 7836, Stop: 8429, Start Num: 66

Candidate Starts for Birdsong_13:

(Start: 66 @7836 has 11 MA's), (Start: 74 @7857 has 1 MA's), (83, 7881), (127, 8049), (147, 8109), (149, 8115), (155, 8151), (157, 8154), (168, 8190),

Gene: Blarby_15 Start: 8203, Stop: 8796, Start Num: 65

Candidate Starts for Blarby_15:

(Start: 65 @8203 has 14 MA's), (72, 8221), (111, 8338), (121, 8377), (136, 8443), (149, 8476), (151, 8488), (155, 8512), (182, 8584), (184, 8593), (186, 8605), (189, 8617), (197, 8641), (201, 8659),

Gene: BlingBling_14 Start: 8679, Stop: 9317, Start Num: 60

Candidate Starts for BlingBling_14:

(Start: 57 @8676 has 4 MA's), (Start: 60 @8679 has 39 MA's), (93, 8769), (97, 8784), (135, 8937), (154, 9012), (161, 9036), (182, 9084), (197, 9141), (205, 9180), (228, 9264), (233, 9300),

Gene: Blino_14 Start: 8579, Stop: 9217, Start Num: 60

Candidate Starts for Blino_14:

(Start: 57 @8576 has 4 MA's), (Start: 60 @8579 has 39 MA's), (93, 8669), (97, 8684), (115, 8750), (135, 8837), (154, 8912), (161, 8936), (182, 8984), (197, 9041), (205, 9080), (228, 9164), (233, 9200),

Gene: Blizzard_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Blizzard_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: BloominB_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for BloominB_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295), (191, 10337), (211, 10418),

Gene: Blueberry_16 Start: 9023, Stop: 9661, Start Num: 60

Candidate Starts for Blueberry_16:

(Start: 57 @9020 has 4 MA's), (Start: 60 @9023 has 39 MA's), (93, 9113), (97, 9128), (115, 9194), (124, 9230), (135, 9281), (154, 9356), (161, 9380), (182, 9428), (197, 9485), (205, 9524), (228, 9608), (233, 9644),

Gene: Bobquesha_19 Start: 11469, Stop: 12080, Start Num: 39

Candidate Starts for Bobquesha_19:

(Start: 39 @11469 has 47 MA's), (Start: 78 @11535 has 1 MA's), (80, 11541), (85, 11550), (97, 11589), (114, 11646), (116, 11652), (122, 11673), (125, 11685), (138, 11742), (144, 11757), (166, 11841),

(168, 11847), (181, 11883), (182, 11886), (185, 11898), (188, 11913), (204, 11970), (206, 11985),
(213, 12009), (220, 12039),

Gene: Bock_16 Start: 9703, Stop: 10248, Start Num: 56

Candidate Starts for Bock_16:

(Start: 56 @9703 has 205 MA's), (Start: 69 @9724 has 1 MA's), (221, 10228),

Gene: Boiiii_18 Start: 10546, Stop: 11157, Start Num: 36

Candidate Starts for Boiiii_18:

(Start: 36 @10546 has 203 MA's), (Start: 69 @10588 has 1 MA's), (111, 10711), (125, 10765), (138, 10822), (144, 10837), (166, 10921), (168, 10927), (182, 10966), (185, 10978), (192, 11005), (204, 11050), (206, 11065), (213, 11089), (230, 11146),

Gene: Boilgate_15 Start: 10475, Stop: 11086, Start Num: 39

Candidate Starts for Boilgate_15:

(23, 10436), (Start: 39 @10475 has 47 MA's), (Start: 78 @10541 has 1 MA's), (116, 10658), (122, 10679), (125, 10691), (138, 10748), (144, 10763), (149, 10778), (154, 10808), (166, 10847), (182, 10892), (185, 10904), (188, 10919), (204, 10976), (206, 10991), (213, 11015), (214, 11018),

Gene: BoostSeason_14 Start: 8528, Stop: 9151, Start Num: 30

Candidate Starts for BoostSeason_14:

(17, 8462), (Start: 30 @8528 has 3 MA's), (64, 8576), (Start: 69 @8585 has 1 MA's), (114, 8723), (138, 8819), (144, 8834), (149, 8849), (154, 8879), (166, 8918), (168, 8924), (169, 8927), (182, 8963), (185, 8975), (188, 8990), (204, 9047), (206, 9062), (213, 9086),

Gene: BotCity_13 Start: 7512, Stop: 8084, Start Num: 63

Candidate Starts for BotCity_13:

(Start: 63 @7512 has 22 MA's), (72, 7533), (79, 7554), (85, 7566), (128, 7725), (143, 7767), (151, 7800), (207, 7989), (231, 8073),

Gene: Brahms_11 Start: 8096, Stop: 8680, Start Num: 56

Candidate Starts for Brahms_11:

(Start: 56 @8096 has 205 MA's), (Start: 61 @8102 has 1 MA's), (Start: 69 @8117 has 1 MA's), (71, 8123), (114, 8255), (154, 8408), (155, 8414), (166, 8447), (189, 8522), (191, 8528), (193, 8534),

Gene: BruceB_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for BruceB_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: BruceLethal_11 Start: 7160, Stop: 7792, Start Num: 67

Candidate Starts for BruceLethal_11:

(Start: 59 @7148 has 12 MA's), (Start: 65 @7157 has 14 MA's), (Start: 67 @7160 has 29 MA's), (100, 7253), (123, 7340), (130, 7376), (182, 7529), (183, 7532), (205, 7625), (209, 7640), (211, 7646), (222, 7688), (227, 7706),

Gene: Bryler_17 Start: 9523, Stop: 10137, Start Num: 36

Candidate Starts for Bryler_17:

(Start: 36 @9523 has 203 MA's), (47, 9535), (Start: 69 @9568 has 1 MA's), (125, 9745), (138, 9802), (144, 9817), (149, 9832), (154, 9862), (166, 9901), (168, 9907), (192, 9985), (206, 10045), (214, 10072),

Gene: Brylie_16 Start: 9700, Stop: 10245, Start Num: 56
Candidate Starts for Brylie_16:
(Start: 56 @9700 has 205 MA's), (Start: 69 @9721 has 1 MA's), (221, 10225),

Gene: Budski_13 Start: 7501, Stop: 8073, Start Num: 63
Candidate Starts for Budski_13:
(Start: 63 @7501 has 22 MA's), (72, 7522), (79, 7543), (85, 7555), (128, 7714), (143, 7756), (151, 7789), (207, 7978), (231, 8062),

Gene: Buldak_12 Start: 8598, Stop: 9185, Start Num: 56
Candidate Starts for Buldak_12:
(Start: 56 @8598 has 205 MA's), (71, 8625), (103, 8706), (166, 8946), (184, 9000), (189, 9021), (193, 9033),

Gene: CLED96_13 Start: 9854, Stop: 10468, Start Num: 36
Candidate Starts for CLED96_13:
(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: CREW_18 Start: 10544, Stop: 11155, Start Num: 36
Candidate Starts for CREW_18:
(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: Cain_17 Start: 9511, Stop: 10125, Start Num: 36
Candidate Starts for Cain_17:
(Start: 36 @9511 has 203 MA's), (47, 9523), (Start: 69 @9556 has 1 MA's), (125, 9733), (138, 9790), (144, 9805), (149, 9820), (154, 9850), (166, 9889), (168, 9895), (192, 9973), (206, 10033), (214, 10060),

Gene: CallaLilly_18 Start: 10471, Stop: 11082, Start Num: 36
Candidate Starts for CallaLilly_18:
(Start: 36 @10471 has 203 MA's), (Start: 69 @10513 has 1 MA's), (111, 10636), (125, 10690), (138, 10747), (144, 10762), (166, 10846), (168, 10852), (182, 10891), (185, 10903), (192, 10930), (204, 10975), (206, 10990), (213, 11014),

Gene: CallinAllBarbz_12 Start: 7199, Stop: 7762, Start Num: 61
Candidate Starts for CallinAllBarbz_12:
(Start: 61 @7199 has 1 MA's), (79, 7244), (85, 7256), (99, 7301), (121, 7373), (137, 7442), (171, 7547), (182, 7574), (187, 7598), (205, 7670),

Gene: Camara_12 Start: 8379, Stop: 8960, Start Num: 56
Candidate Starts for Camara_12:
(Start: 56 @8379 has 205 MA's), (Start: 69 @8400 has 1 MA's), (154, 8688), (182, 8772), (192, 8811), (193, 8814), (201, 8847), (217, 8916), (228, 8946),

Gene: Cambiare_14 Start: 10474, Stop: 11094, Start Num: 36
Candidate Starts for Cambiare_14:
(Start: 36 @10474 has 203 MA's), (77, 10549), (97, 10606), (111, 10648), (114, 10663), (138, 10759), (144, 10774), (150, 10798), (154, 10819), (166, 10858), (173, 10882), (182, 10903), (188, 10930), (197, 10960), (206, 11002), (213, 11026), (220, 11056),

Gene: Camri_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Camri_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Cappuccino_13 Start: 8889, Stop: 9449, Start Num: 56

Candidate Starts for Cappuccino_13:

(Start: 56 @8889 has 205 MA's), (145, 9132), (153, 9168), (171, 9225), (207, 9357),

Gene: Capricorn_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Capricorn_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: CaptainKirk2_14 Start: 8682, Stop: 9320, Start Num: 60

Candidate Starts for CaptainKirk2_14:

(Start: 57 @8679 has 4 MA's), (Start: 60 @8682 has 39 MA's), (93, 8772), (97, 8787), (135, 8940), (154, 9015), (161, 9039), (182, 9087), (197, 9144), (205, 9183), (228, 9267), (233, 9303),

Gene: CardboardBox_14 Start: 8154, Stop: 8732, Start Num: 62

Candidate Starts for CardboardBox_14:

(Start: 62 @8154 has 7 MA's), (149, 8433), (177, 8535), (193, 8589), (228, 8721),

Gene: CarolAnn_14 Start: 8578, Stop: 9216, Start Num: 60

Candidate Starts for CarolAnn_14:

(Start: 57 @8575 has 4 MA's), (Start: 60 @8578 has 39 MA's), (93, 8668), (97, 8683), (115, 8749), (135, 8836), (154, 8911), (161, 8935), (182, 8983), (197, 9040), (205, 9079), (228, 9163), (233, 9199),

Gene: Caron_11 Start: 8664, Stop: 9239, Start Num: 56

Candidate Starts for Caron_11:

(Start: 56 @8664 has 205 MA's), (153, 8943), (217, 9174),

Gene: CaseJules_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for CaseJules_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: Cassia_13 Start: 9565, Stop: 10116, Start Num: 56

Candidate Starts for Cassia_13:

(Start: 56 @9565 has 205 MA's), (145, 9808), (150, 9829),

Gene: CassieYates_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for CassieYates_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Catfish_16 Start: 9760, Stop: 10344, Start Num: 76

Candidate Starts for Catfish_16:

(Start: 57 @9721 has 4 MA's), (Start: 76 @9760 has 1 MA's), (92, 9811), (102, 9844), (108, 9868), (164, 10096), (176, 10135), (184, 10156), (186, 10168), (202, 10225), (220, 10291), (225, 10297),

Gene: Cedasite_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Cedasite_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Celaena_12 Start: 8400, Stop: 8990, Start Num: 56

Candidate Starts for Celaena_12:

(Start: 56 @8400 has 205 MA's), (Start: 61 @8406 has 1 MA's), (Start: 69 @8421 has 1 MA's), (79, 8448), (107, 8526), (111, 8544), (114, 8559), (154, 8712), (155, 8718), (166, 8751), (168, 8757), (182, 8796), (192, 8835), (198, 8856),

Gene: Cen1621_11 Start: 7782, Stop: 8339, Start Num: 56

Candidate Starts for Cen1621_11:

(Start: 56 @7782 has 205 MA's), (145, 8025),

Gene: ChamoyPickle_14 Start: 8154, Stop: 8732, Start Num: 62

Candidate Starts for ChamoyPickle_14:

(Start: 62 @8154 has 7 MA's), (149, 8433), (177, 8535), (193, 8589), (228, 8721),

Gene: Chance64_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Chance64_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Chancellor_19 Start: 11727, Stop: 12338, Start Num: 39

Candidate Starts for Chancellor_19:

(Start: 39 @11727 has 47 MA's), (Start: 78 @11793 has 1 MA's), (80, 11799), (97, 11847), (114, 11904), (116, 11910), (122, 11931), (125, 11943), (138, 12000), (144, 12015), (166, 12099), (168, 12105), (182, 12144), (185, 12156), (188, 12171), (204, 12228), (206, 12243), (213, 12267), (220, 12297),

Gene: Chavito_18 Start: 9579, Stop: 10190, Start Num: 39

Candidate Starts for Chavito_18:

(Start: 39 @9579 has 47 MA's), (Start: 69 @9621 has 1 MA's), (97, 9702), (114, 9759), (125, 9798), (138, 9855), (144, 9870), (154, 9915), (166, 9954), (168, 9960), (169, 9963), (185, 10011), (188, 10026), (204, 10083),

Gene: Che9d_14 Start: 7688, Stop: 8281, Start Num: 65

Candidate Starts for Che9d_14:

(Start: 65 @7688 has 14 MA's), (72, 7706), (111, 7823), (121, 7862), (136, 7928), (149, 7961), (151, 7973), (155, 7997), (182, 8069), (184, 8078), (186, 8090), (189, 8102), (197, 8126), (201, 8144),

Gene: CheeseSpider_16 Start: 9022, Stop: 9660, Start Num: 60

Candidate Starts for CheeseSpider_16:

(Start: 57 @9019 has 4 MA's), (Start: 60 @9022 has 39 MA's), (93, 9112), (97, 9127), (124, 9229), (135, 9280), (154, 9355), (161, 9379), (182, 9427), (205, 9523), (228, 9607), (233, 9643),

Gene: CheeseTouch_13 Start: 7501, Stop: 8073, Start Num: 63

Candidate Starts for CheeseTouch_13:

(Start: 63 @7501 has 22 MA's), (72, 7522), (79, 7543), (85, 7555), (128, 7714), (143, 7756), (151, 7789), (207, 7978), (231, 8062),

Gene: CheetoDust_18 Start: 10521, Stop: 11132, Start Num: 36

Candidate Starts for CheetoDust_18:

(Start: 36 @10521 has 203 MA's), (Start: 69 @10563 has 1 MA's), (111, 10686), (125, 10740), (138, 10797), (144, 10812), (162, 10881), (166, 10896), (168, 10902), (182, 10941), (192, 10980), (204, 11025), (206, 11040), (213, 11064), (230, 11121),

Gene: Cheetobro_19 Start: 11727, Stop: 12338, Start Num: 39

Candidate Starts for Cheetobro_19:

(Start: 39 @11727 has 47 MA's), (Start: 78 @11793 has 1 MA's), (80, 11799), (97, 11847), (114, 11904), (116, 11910), (122, 11931), (125, 11943), (138, 12000), (144, 12015), (166, 12099), (168, 12105), (182, 12144), (185, 12156), (188, 12171), (204, 12228), (206, 12243), (213, 12267), (220, 12297),

Gene: Cherrybomb426_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Cherrybomb426_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Chicken_13 Start: 8750, Stop: 9334, Start Num: 56

Candidate Starts for Chicken_13:

(Start: 56 @8750 has 205 MA's), (154, 9059), (193, 9185), (201, 9218), (217, 9287), (221, 9299),

Gene: ChipsNGuac_14 Start: 8154, Stop: 8732, Start Num: 62

Candidate Starts for ChipsNGuac_14:

(Start: 62 @8154 has 7 MA's), (149, 8433), (177, 8535), (193, 8589), (228, 8721),

Gene: Chop_16 Start: 9733, Stop: 10278, Start Num: 56

Candidate Starts for Chop_16:

(Start: 56 @9733 has 205 MA's), (Start: 69 @9754 has 1 MA's), (88, 9802), (189, 10132),

Gene: Chris_17 Start: 9487, Stop: 10098, Start Num: 36

Candidate Starts for Chris_17:

(Start: 36 @9487 has 203 MA's), (Start: 69 @9529 has 1 MA's), (125, 9706), (138, 9763), (144, 9778), (154, 9823), (166, 9862), (168, 9868), (197, 9964), (206, 10006), (213, 10030), (220, 10060), (227, 10081),

Gene: Clayda5_11 Start: 8096, Stop: 8680, Start Num: 56

Candidate Starts for Clayda5_11:

(Start: 56 @8096 has 205 MA's), (Start: 61 @8102 has 1 MA's), (Start: 69 @8117 has 1 MA's), (71, 8123), (114, 8255), (154, 8408), (155, 8414), (166, 8447), (189, 8522), (191, 8528), (193, 8534),

Gene: CliffHanger_13 Start: 8293, Stop: 8880, Start Num: 56

Candidate Starts for CliffHanger_13:

(Start: 56 @8293 has 205 MA's), (Start: 61 @8299 has 1 MA's), (Start: 69 @8314 has 1 MA's), (111, 8434), (114, 8449), (166, 8641), (190, 8719),

Gene: Clipper_18 Start: 10521, Stop: 11132, Start Num: 36

Candidate Starts for Clipper_18:

(Start: 36 @10521 has 203 MA's), (Start: 69 @10563 has 1 MA's), (111, 10686), (125, 10740), (138, 10797), (144, 10812), (166, 10896), (168, 10902), (182, 10941), (192, 10980), (204, 11025), (206, 11040), (213, 11064), (230, 11121),

Gene: Cloudyecho_13 Start: 10076, Stop: 10699, Start Num: 36

Candidate Starts for Cloudyecho_13:

(Start: 36 @10076 has 203 MA's), (77, 10154), (97, 10211), (111, 10253), (114, 10268), (138, 10364), (144, 10379), (150, 10403), (154, 10424), (166, 10463), (173, 10487), (188, 10535), (197, 10565), (206, 10607),

Gene: Coleslaw_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Coleslaw_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Collard_16 Start: 10585, Stop: 11196, Start Num: 36

Candidate Starts for Collard_16:

(Start: 36 @10585 has 203 MA's), (Start: 69 @10630 has 1 MA's), (125, 10807), (138, 10864), (144, 10879), (149, 10894), (166, 10963), (168, 10969), (182, 11008), (188, 11035), (204, 11092), (206, 11107), (213, 11131), (220, 11161),

Gene: Coltrane_11 Start: 8096, Stop: 8680, Start Num: 56

Candidate Starts for Coltrane_11:

(Start: 56 @8096 has 205 MA's), (Start: 61 @8102 has 1 MA's), (Start: 69 @8117 has 1 MA's), (71, 8123), (114, 8255), (154, 8408), (155, 8414), (166, 8447), (189, 8522), (191, 8528), (193, 8534),

Gene: Colusalem_13 Start: 8803, Stop: 9384, Start Num: 56

Candidate Starts for Colusalem_13:

(Start: 56 @8803 has 205 MA's), (Start: 69 @8824 has 1 MA's), (100, 8911), (114, 8959), (154, 9112), (182, 9196), (191, 9232), (193, 9238), (201, 9271), (217, 9340),

Gene: Community_14 Start: 10530, Stop: 11081, Start Num: 56

Candidate Starts for Community_14:

(Start: 56 @10530 has 205 MA's), (150, 10794), (153, 10809),

Gene: Coral_13 Start: 8803, Stop: 9384, Start Num: 56

Candidate Starts for Coral_13:

(Start: 56 @8803 has 205 MA's), (Start: 69 @8824 has 1 MA's), (100, 8911), (114, 8959), (154, 9112), (182, 9196), (191, 9232), (193, 9238), (201, 9271), (217, 9340),

Gene: Cota_11 Start: 7170, Stop: 7796, Start Num: 67

Candidate Starts for Cota_11:

(Start: 59 @7158 has 12 MA's), (Start: 65 @7167 has 14 MA's), (Start: 67 @7170 has 29 MA's), (100, 7263), (123, 7350), (130, 7386), (182, 7539), (183, 7542), (197, 7596), (205, 7635), (209, 7650), (211, 7656), (222, 7698), (227, 7716),

Gene: Cote_14 Start: 8964, Stop: 9545, Start Num: 56

Candidate Starts for Cote_14:

(Start: 56 @8964 has 205 MA's), (Start: 69 @8985 has 1 MA's), (100, 9072), (114, 9120), (154, 9273), (182, 9357), (191, 9393), (193, 9399), (201, 9432), (217, 9501),

Gene: Cracklewink_19 Start: 12607, Stop: 13194, Start Num: 62

Candidate Starts for Cracklewink_19:

(33, 12580), (Start: 62 @12607 has 7 MA's), (73, 12631), (80, 12652), (85, 12664), (126, 12817), (128, 12823), (144, 12871), (145, 12874), (149, 12886), (154, 12916), (182, 13000), (189, 13030), (200, 13066), (204, 13084), (211, 13117), (227, 13174), (228, 13177), (229, 13180),

Gene: Crater_13 Start: 7836, Stop: 8429, Start Num: 66

Candidate Starts for Crater_13:

(Start: 66 @7836 has 11 MA's), (Start: 74 @7857 has 1 MA's), (83, 7881), (116, 7995), (129, 8055), (138, 8085), (147, 8109), (149, 8115), (155, 8151), (157, 8154), (168, 8190), (182, 8229), (209, 8340),

Gene: Crespo_13 Start: 9855, Stop: 10469, Start Num: 36

Candidate Starts for Crespo_13:

(Start: 36 @9855 has 203 MA's), (Start: 69 @9900 has 1 MA's), (77, 9924), (106, 10002), (111, 10023), (114, 10038), (138, 10134), (144, 10149), (150, 10173), (154, 10194), (166, 10233), (173, 10257), (177, 10266), (182, 10278), (197, 10335), (204, 10362), (206, 10377), (213, 10401),

Gene: Crewmate_14 Start: 9913, Stop: 10470, Start Num: 56

Candidate Starts for Crewmate_14:

(Start: 56 @9913 has 205 MA's), (150, 10177), (153, 10192),

Gene: CrimD_18 Start: 10473, Stop: 11087, Start Num: 36

Candidate Starts for CrimD_18:

(Start: 36 @10473 has 203 MA's), (Start: 69 @10518 has 1 MA's), (111, 10641), (125, 10695), (138, 10752), (144, 10767), (166, 10851), (168, 10857), (182, 10896), (185, 10908), (192, 10935), (204, 10980), (206, 10995), (213, 11019), (230, 11076),

Gene: Curiosium_19 Start: 9949, Stop: 10563, Start Num: 39

Candidate Starts for Curiosium_19:

(Start: 39 @9949 has 47 MA's), (Start: 69 @9994 has 1 MA's), (114, 10132), (125, 10171), (138, 10228), (149, 10258), (154, 10288), (166, 10327), (169, 10336), (182, 10372), (204, 10456), (213, 10495), (220, 10525), (227, 10546),

Gene: Cyan_13 Start: 9468, Stop: 10019, Start Num: 56

Candidate Starts for Cyan_13:

(Start: 56 @9468 has 205 MA's), (145, 9711), (150, 9732), (153, 9747), (211, 9951),

Gene: Cygnet_13 Start: 8759, Stop: 9340, Start Num: 56

Candidate Starts for Cygnet_13:

(Start: 56 @8759 has 205 MA's), (Start: 69 @8780 has 1 MA's), (154, 9068), (192, 9191), (207, 9254), (228, 9326),

Gene: DMoney_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for DMoney_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: DNAIII_0013 Start: 9863, Stop: 10477, Start Num: 36

Candidate Starts for DNAIII_0013:

(Start: 36 @9863 has 203 MA's), (Start: 69 @9908 has 1 MA's), (77, 9932), (106, 10010), (111, 10031), (114, 10046), (138, 10142), (144, 10157), (150, 10181), (154, 10202), (166, 10241), (173, 10265), (177, 10274), (182, 10286), (197, 10343), (204, 10370), (206, 10385), (213, 10409),

Gene: DS6A_16 Start: 10775, Stop: 11446, Start Num: 65

Candidate Starts for DS6A_16:

(Start: 65 @10775 has 14 MA's), (108, 10898), (111, 10913), (140, 11027), (154, 11084), (155, 11090), (166, 11123), (182, 11168), (183, 11171), (201, 11267), (203, 11273),

Gene: Dadosky_16 Start: 10501, Stop: 11112, Start Num: 36

Candidate Starts for Dadosky_16:

(Start: 36 @10501 has 203 MA's), (Start: 69 @10546 has 1 MA's), (138, 10780), (144, 10795), (149, 10810), (166, 10879), (168, 10885), (182, 10924), (185, 10936), (188, 10951), (204, 11008), (206, 11023), (213, 11047), (220, 11077),

Gene: Daegal_16 Start: 10229, Stop: 10768, Start Num: 56

Candidate Starts for Daegal_16:

(Start: 56 @10229 has 205 MA's), (Start: 69 @10250 has 1 MA's), (70, 10253), (71, 10256), (79, 10274), (101, 10340), (114, 10376), (133, 10457), (144, 10490), (150, 10514), (171, 10562), (180, 10586), (191, 10628), (211, 10709),

Gene: Dalmuri_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Dalmuri_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: DanHam62_12 Start: 8378, Stop: 8959, Start Num: 56

Candidate Starts for DanHam62_12:

(Start: 56 @8378 has 205 MA's), (Start: 69 @8399 has 1 MA's), (154, 8687), (182, 8771), (192, 8810), (193, 8813), (201, 8846), (217, 8915), (228, 8945),

Gene: DanSyl44_19 Start: 11730, Stop: 12341, Start Num: 39

Candidate Starts for DanSyl44_19:

(Start: 39 @11730 has 47 MA's), (Start: 78 @11796 has 1 MA's), (80, 11802), (97, 11850), (114, 11907), (116, 11913), (122, 11934), (125, 11946), (138, 12003), (144, 12018), (166, 12102), (168, 12108), (182, 12147), (185, 12159), (188, 12174), (204, 12231), (206, 12246), (213, 12270), (220, 12300),

Gene: Daob_14 Start: 8967, Stop: 9548, Start Num: 56

Candidate Starts for Daob_14:

(Start: 56 @8967 has 205 MA's), (Start: 69 @8988 has 1 MA's), (100, 9075), (114, 9123), (154, 9276), (182, 9360), (191, 9396), (193, 9402), (201, 9435), (217, 9504),

Gene: Dardanus_19 Start: 10822, Stop: 11409, Start Num: 75

Candidate Starts for Dardanus_19:

(Start: 75 @10822 has 10 MA's), (92, 10873), (97, 10888), (102, 10906), (108, 10930), (140, 11062), (152, 11107), (184, 11218), (220, 11353), (225, 11359),

Gene: Darionha_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Darionha_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: DartGoblin_18 Start: 10425, Stop: 11039, Start Num: 36

Candidate Starts for DartGoblin_18:

(Start: 36 @10425 has 203 MA's), (Start: 69 @10470 has 1 MA's), (125, 10647), (138, 10704), (144, 10719), (149, 10734), (154, 10764), (166, 10803), (168, 10809), (182, 10848), (192, 10887), (204, 10932), (206, 10947), (213, 10971),

Gene: DarthP_17 Start: 10531, Stop: 11145, Start Num: 39

Candidate Starts for DarthP_17:

(Start: 39 @10531 has 47 MA's), (Start: 56 @10555 has 205 MA's), (Start: 69 @10576 has 1 MA's), (116, 10720), (125, 10753), (138, 10810), (144, 10825), (166, 10909), (168, 10915), (182, 10954), (185, 10966), (192, 10993), (206, 11053), (213, 11077), (220, 11107),

Gene: Dartin_18 Start: 9573, Stop: 10184, Start Num: 39

Candidate Starts for Dartin_18:

(Start: 39 @9573 has 47 MA's), (Start: 69 @9615 has 1 MA's), (114, 9753), (125, 9792), (138, 9849), (144, 9864), (154, 9909), (166, 9948), (168, 9954), (169, 9957), (185, 10005), (188, 10020), (204, 10077),

Gene: Deby_18 Start: 10475, Stop: 11089, Start Num: 36

Candidate Starts for Deby_18:

(Start: 36 @10475 has 203 MA's), (Start: 69 @10520 has 1 MA's), (111, 10643), (125, 10697), (138, 10754), (144, 10769), (166, 10853), (168, 10859), (182, 10898), (185, 10910), (192, 10937), (204, 10982), (206, 10997), (213, 11021), (230, 11078),

Gene: DeepSoil15_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for DeepSoil15_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295), (191, 10337), (211, 10418),

Gene: DelRio_17 Start: 10210, Stop: 10755, Start Num: 56

Candidate Starts for DelRio_17:

(Start: 56 @10210 has 205 MA's), (Start: 69 @10231 has 1 MA's), (88, 10279), (189, 10609), (221, 10735),

Gene: Delian_14 Start: 8682, Stop: 9320, Start Num: 60

Candidate Starts for Delian_14:

(Start: 57 @8679 has 4 MA's), (Start: 60 @8682 has 39 MA's), (93, 8772), (97, 8787), (135, 8940), (154, 9015), (161, 9039), (182, 9087), (197, 9144), (205, 9183), (228, 9267), (233, 9303),

Gene: Demsculpinboyz_14 Start: 7679, Stop: 8272, Start Num: 65

Candidate Starts for Demsculpinboyz_14:

(Start: 65 @7679 has 14 MA's), (72, 7697), (111, 7814), (121, 7853), (136, 7919), (149, 7952), (151, 7964), (155, 7988), (182, 8060), (184, 8069), (186, 8081), (189, 8093), (197, 8117), (201, 8135),

Gene: Devera_18 Start: 10492, Stop: 11106, Start Num: 36

Candidate Starts for Devera_18:

(Start: 36 @10492 has 203 MA's), (Start: 69 @10537 has 1 MA's), (111, 10660), (125, 10714), (138, 10771), (144, 10786), (154, 10831), (166, 10870), (168, 10876), (182, 10915), (185, 10927), (192, 10954), (204, 10999), (206, 11014), (213, 11038),

Gene: Dewey_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for Dewey_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295),

(191, 10337), (211, 10418),

Gene: DingDing_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for DingDing_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: DinoDaryn_19 Start: 10919, Stop: 11509, Start Num: 75

Candidate Starts for DinoDaryn_19:

(Start: 75 @10919 has 10 MA's), (87, 10952), (97, 10985), (102, 11003), (152, 11204), (184, 11315), (185, 11318), (192, 11345), (209, 11417),

Gene: DismalFunk_14 Start: 8532, Stop: 9146, Start Num: 32

Candidate Starts for DismalFunk_14:

(Start: 32 @8532 has 8 MA's), (64, 8571), (Start: 69 @8580 has 1 MA's), (138, 8814), (144, 8829), (149, 8844), (154, 8874), (166, 8913), (168, 8919), (181, 8955), (185, 8970), (192, 8997), (204, 9042), (206, 9057), (213, 9081),

Gene: DismalStressor_14 Start: 8532, Stop: 9146, Start Num: 32

Candidate Starts for DismalStressor_14:

(Start: 32 @8532 has 8 MA's), (64, 8571), (Start: 69 @8580 has 1 MA's), (138, 8814), (144, 8829), (149, 8844), (154, 8874), (166, 8913), (168, 8919), (181, 8955), (185, 8970), (192, 8997), (204, 9042), (206, 9057), (213, 9081),

Gene: Dole_18 Start: 10494, Stop: 11108, Start Num: 36

Candidate Starts for Dole_18:

(Start: 36 @10494 has 203 MA's), (Start: 69 @10539 has 1 MA's), (111, 10662), (125, 10716), (138, 10773), (144, 10788), (154, 10833), (166, 10872), (168, 10878), (182, 10917), (185, 10929), (192, 10956), (204, 11001), (206, 11016), (213, 11040),

Gene: Donkey_13 Start: 8889, Stop: 9449, Start Num: 56

Candidate Starts for Donkey_13:

(Start: 56 @8889 has 205 MA's), (145, 9132), (153, 9168), (171, 9225), (207, 9357),

Gene: DonkeyMan_12 Start: 7926, Stop: 8492, Start Num: 56

Candidate Starts for DonkeyMan_12:

(Start: 56 @7926 has 205 MA's), (97, 8025), (140, 8181), (177, 8286), (184, 8304), (198, 8358),

Gene: DoubleChamp_16 Start: 10585, Stop: 11196, Start Num: 36

Candidate Starts for DoubleChamp_16:

(Start: 36 @10585 has 203 MA's), (Start: 69 @10630 has 1 MA's), (125, 10807), (138, 10864), (144, 10879), (149, 10894), (166, 10963), (168, 10969), (182, 11008), (188, 11035), (204, 11092), (206, 11107), (213, 11131), (220, 11161),

Gene: Doughnut_14 Start: 8522, Stop: 9145, Start Num: 30

Candidate Starts for Doughnut_14:

(17, 8456), (Start: 30 @8522 has 3 MA's), (64, 8570), (Start: 69 @8579 has 1 MA's), (114, 8717), (138, 8813), (144, 8828), (149, 8843), (154, 8873), (166, 8912), (168, 8918), (169, 8921), (182, 8957), (185, 8969), (188, 8984), (204, 9041), (206, 9056), (213, 9080),

Gene: DrHayes_18 Start: 10446, Stop: 11060, Start Num: 36

Candidate Starts for DrHayes_18:

(Start: 36 @10446 has 203 MA's), (53, 10464), (Start: 69 @10491 has 1 MA's), (125, 10668), (138, 10725), (144, 10740), (149, 10755), (154, 10785), (166, 10824), (168, 10830), (182, 10869), (185, 10881), (192, 10908), (204, 10953), (206, 10968), (213, 10992),

Gene: DrManhattan_13 Start: 9448, Stop: 9996, Start Num: 56
Candidate Starts for DrManhattan_13:
(Start: 56 @9448 has 205 MA's), (153, 9727), (197, 9871), (207, 9916),

Gene: DrParker_11 Start: 7185, Stop: 7826, Start Num: 67
Candidate Starts for DrParker_11:
(Start: 59 @7173 has 12 MA's), (Start: 65 @7182 has 14 MA's), (Start: 67 @7185 has 29 MA's), (100, 7278), (123, 7365), (130, 7401), (173, 7542), (183, 7557), (197, 7611), (205, 7650), (209, 7665), (211, 7671), (222, 7713), (227, 7731),

Gene: DrSierra_13 Start: 9480, Stop: 10028, Start Num: 56
Candidate Starts for DrSierra_13:
(53, 9474), (Start: 56 @9480 has 205 MA's), (188, 9873), (197, 9903), (212, 9966),

Gene: DumpsterDude_13 Start: 8440, Stop: 8982, Start Num: 56
Candidate Starts for DumpsterDude_13:
(10, 8254), (28, 8389), (Start: 56 @8440 has 205 MA's), (88, 8509), (131, 8668), (133, 8674), (171, 8779), (221, 8965),

Gene: Durfee_18 Start: 10544, Stop: 11155, Start Num: 36
Candidate Starts for Durfee_18:
(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: ECartman_13 Start: 9854, Stop: 10468, Start Num: 36
Candidate Starts for ECartman_13:
(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Ecliptus_13 Start: 7565, Stop: 8158, Start Num: 66
Candidate Starts for Ecliptus_13:
(Start: 66 @7565 has 11 MA's), (Start: 74 @7586 has 1 MA's), (83, 7610), (127, 7778), (129, 7784), (149, 7844), (155, 7880), (157, 7883), (168, 7919),

Gene: Eden_11 Start: 8192, Stop: 8782, Start Num: 56
Candidate Starts for Eden_11:
(12, 8039), (13, 8051), (17, 8078), (Start: 56 @8192 has 205 MA's), (Start: 69 @8213 has 1 MA's), (79, 8240), (111, 8336), (114, 8351), (166, 8543), (190, 8621), (191, 8624), (193, 8630), (209, 8699),

Gene: Edugator_15 Start: 10501, Stop: 11112, Start Num: 36
Candidate Starts for Edugator_15:
(Start: 36 @10501 has 203 MA's), (Start: 69 @10546 has 1 MA's), (138, 10780), (144, 10795), (149, 10810), (166, 10879), (168, 10885), (182, 10924), (188, 10951), (204, 11008), (206, 11023), (213, 11047), (220, 11077),

Gene: Eesa_13 Start: 8964, Stop: 9548, Start Num: 56
Candidate Starts for Eesa_13:

(Start: 56 @8964 has 205 MA's), (154, 9273), (201, 9432), (217, 9501), (221, 9513),

Gene: Efra2_18 Start: 9439, Stop: 10053, Start Num: 39

Candidate Starts for Efra2_18:

(Start: 39 @9439 has 47 MA's), (114, 9622), (125, 9661), (138, 9718), (149, 9748), (154, 9778), (166, 9817), (168, 9823), (182, 9862), (185, 9874), (204, 9946), (213, 9985), (220, 10015), (227, 10036),

Gene: Ein37_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for Ein37_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295), (191, 10337), (211, 10418),

Gene: Ekdilam_15 Start: 10249, Stop: 10860, Start Num: 39

Candidate Starts for Ekdilam_15:

(Start: 39 @10249 has 47 MA's), (Start: 69 @10291 has 1 MA's), (116, 10435), (125, 10468), (138, 10525), (144, 10540), (166, 10624), (168, 10630), (182, 10669), (185, 10681), (206, 10768), (213, 10792), (220, 10822),

Gene: Elezi_13 Start: 9449, Stop: 10000, Start Num: 56

Candidate Starts for Elezi_13:

(Start: 56 @9449 has 205 MA's), (150, 9713), (153, 9728), (211, 9932),

Gene: Elfy_11 Start: 7126, Stop: 7710, Start Num: 60

Candidate Starts for Elfy_11:

(Start: 60 @7126 has 39 MA's), (79, 7174), (100, 7234), (117, 7291), (121, 7303), (126, 7336), (131, 7351), (171, 7489), (182, 7516), (197, 7573), (205, 7612), (209, 7627), (211, 7633),

Gene: Ellie_15 Start: 10291, Stop: 10902, Start Num: 39

Candidate Starts for Ellie_15:

(Start: 14 @10186 has 1 MA's), (22, 10249), (24, 10258), (Start: 39 @10291 has 47 MA's), (Start: 69 @10333 has 1 MA's), (111, 10456), (116, 10477), (125, 10510), (138, 10567), (144, 10582), (166, 10666), (168, 10672), (182, 10711), (185, 10723), (192, 10750), (206, 10810), (213, 10834),

Gene: Emerson_18 Start: 10504, Stop: 11115, Start Num: 36

Candidate Starts for Emerson_18:

(Start: 36 @10504 has 203 MA's), (Start: 69 @10546 has 1 MA's), (125, 10723), (138, 10780), (144, 10795), (166, 10879), (168, 10885), (182, 10924), (185, 10936), (192, 10963), (204, 11008), (206, 11023), (213, 11047), (230, 11104),

Gene: Emotion_12 Start: 7771, Stop: 8325, Start Num: 56

Candidate Starts for Emotion_12:

(Start: 56 @7771 has 205 MA's), (79, 7816), (81, 7822), (109, 7873), (181, 8131),

Gene: Enkosi_14 Start: 9777, Stop: 10388, Start Num: 36

Candidate Starts for Enkosi_14:

(Start: 36 @9777 has 203 MA's), (Start: 56 @9798 has 205 MA's), (Start: 69 @9819 has 1 MA's), (111, 9942), (114, 9957), (125, 9996), (138, 10053), (144, 10068), (154, 10113), (166, 10152), (168, 10158), (182, 10197), (185, 10209), (204, 10281), (206, 10296), (213, 10320), (220, 10350),

Gene: Enochoraptor_11 Start: 7174, Stop: 7800, Start Num: 67

Candidate Starts for Enochoraptor_11:

(Start: 59 @7162 has 12 MA's), (Start: 65 @7171 has 14 MA's), (Start: 67 @7174 has 29 MA's), (100, 7267), (123, 7354), (173, 7531), (183, 7546), (205, 7639), (209, 7654), (211, 7660), (222, 7702), (227, 7720),

Gene: Enoki_11 Start: 7161, Stop: 7781, Start Num: 67

Candidate Starts for Enoki_11:

(Start: 59 @7149 has 12 MA's), (Start: 65 @7158 has 14 MA's), (Start: 67 @7161 has 29 MA's), (100, 7254), (123, 7341), (130, 7377), (141, 7413), (173, 7518), (181, 7527), (182, 7530), (183, 7533), (205, 7626), (209, 7641), (211, 7647), (222, 7689), (227, 7707),

Gene: Eponine_19 Start: 11592, Stop: 12203, Start Num: 39

Candidate Starts for Eponine_19:

(Start: 39 @11592 has 47 MA's), (Start: 78 @11658 has 1 MA's), (80, 11664), (97, 11712), (114, 11769), (116, 11775), (122, 11796), (125, 11808), (138, 11865), (144, 11880), (149, 11895), (166, 11964), (168, 11970), (188, 12036), (204, 12093), (206, 12108), (213, 12132), (220, 12162),

Gene: Eraser_13 Start: 9449, Stop: 10000, Start Num: 56

Candidate Starts for Eraser_13:

(Start: 56 @9449 has 205 MA's), (150, 9713), (153, 9728), (211, 9932),

Gene: Evanesce_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for Evanesce_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295), (191, 10337), (211, 10418),

Gene: Exile_12 Start: 9368, Stop: 9916, Start Num: 56

Candidate Starts for Exile_12:

(Start: 56 @9368 has 205 MA's), (79, 9413), (212, 9851), (213, 9854), (221, 9887),

Gene: Ezurina_13 Start: 7722, Stop: 8300, Start Num: 62

Candidate Starts for Ezurina_13:

(Start: 62 @7722 has 7 MA's), (177, 8103), (193, 8157), (228, 8289),

Gene: FF47_15 Start: 9310, Stop: 9951, Start Num: 39

Candidate Starts for FF47_15:

(Start: 39 @9310 has 47 MA's), (64, 9343), (Start: 69 @9352 has 1 MA's), (98, 9436), (111, 9475), (114, 9490), (143, 9595), (149, 9616), (150, 9625), (154, 9646), (166, 9685), (173, 9709), (200, 9796), (204, 9814), (205, 9826), (208, 9835),

Gene: Fairfaxidum_14 Start: 8713, Stop: 9366, Start Num: 60

Candidate Starts for Fairfaxidum_14:

(Start: 42 @8683 has 1 MA's), (Start: 57 @8710 has 4 MA's), (Start: 60 @8713 has 39 MA's), (93, 8803), (97, 8818), (134, 8968), (154, 9046), (161, 9070), (173, 9100), (182, 9118), (205, 9214), (228, 9298),

Gene: Faiyaz_19 Start: 12547, Stop: 13128, Start Num: 62

Candidate Starts for Faiyaz_19:

(Start: 29 @12487 has 2 MA's), (44, 12517), (Start: 62 @12547 has 7 MA's), (80, 12592), (128, 12763), (145, 12814), (149, 12826), (154, 12856), (182, 12940), (189, 12970), (204, 13024), (228, 13117),

Gene: Fefferhead_17 Start: 10458, Stop: 11069, Start Num: 39

Candidate Starts for Fefferhead_17:

(Start: 14 @10353 has 1 MA's), (22, 10416), (24, 10425), (Start: 39 @10458 has 47 MA's), (Start: 69 @10500 has 1 MA's), (111, 10623), (116, 10644), (125, 10677), (138, 10734), (144, 10749), (166, 10833), (168, 10839), (182, 10878), (185, 10890), (192, 10917), (206, 10977), (213, 11001),

Gene: Fenry_13 Start: 8428, Stop: 9066, Start Num: 60

Candidate Starts for Fenry_13:

(Start: 57 @8425 has 4 MA's), (Start: 60 @8428 has 39 MA's), (93, 8518), (97, 8533), (135, 8686), (154, 8761), (161, 8785), (182, 8833), (197, 8890), (205, 8929), (228, 9013), (233, 9049),

Gene: Feyre_16 Start: 10448, Stop: 11059, Start Num: 36

Candidate Starts for Feyre_16:

(Start: 36 @10448 has 203 MA's), (Start: 69 @10493 has 1 MA's), (85, 10535), (125, 10670), (138, 10727), (144, 10742), (149, 10757), (166, 10826), (168, 10832), (182, 10871), (185, 10883), (188, 10898), (200, 10937), (204, 10955), (206, 10970), (213, 10994), (220, 11024),

Gene: Findley_14 Start: 8532, Stop: 9146, Start Num: 32

Candidate Starts for Findley_14:

(Start: 32 @8532 has 8 MA's), (64, 8571), (Start: 69 @8580 has 1 MA's), (138, 8814), (144, 8829), (149, 8844), (154, 8874), (166, 8913), (168, 8919), (181, 8955), (185, 8970), (192, 8997), (204, 9042), (206, 9057), (213, 9081),

Gene: Fingolfin_12 Start: 8379, Stop: 8960, Start Num: 56

Candidate Starts for Fingolfin_12:

(Start: 56 @8379 has 205 MA's), (Start: 69 @8400 has 1 MA's), (154, 8688), (182, 8772), (192, 8811), (193, 8814), (201, 8847), (217, 8916), (228, 8946),

Gene: Fionnbharth_19 Start: 11717, Stop: 12328, Start Num: 39

Candidate Starts for Fionnbharth_19:

(Start: 39 @11717 has 47 MA's), (Start: 78 @11783 has 1 MA's), (80, 11789), (97, 11837), (114, 11894), (116, 11900), (122, 11921), (125, 11933), (138, 11990), (144, 12005), (166, 12089), (168, 12095), (182, 12134), (185, 12146), (188, 12161), (204, 12218), (206, 12233), (213, 12257), (220, 12287),

Gene: FiveHead_12 Start: 7693, Stop: 8247, Start Num: 56

Candidate Starts for FiveHead_12:

(Start: 56 @7693 has 205 MA's), (150, 7957), (153, 7972),

Gene: FlagStaff_13 Start: 9947, Stop: 10567, Start Num: 36

Candidate Starts for FlagStaff_13:

(Start: 36 @9947 has 203 MA's), (77, 10022), (97, 10079), (111, 10121), (114, 10136), (138, 10232), (144, 10247), (150, 10271), (166, 10331), (173, 10355), (188, 10403), (197, 10433), (206, 10475), (213, 10499), (220, 10529),

Gene: FlameThrower_12 Start: 8288, Stop: 8878, Start Num: 56

Candidate Starts for FlameThrower_12:

(Start: 56 @8288 has 205 MA's), (Start: 61 @8294 has 1 MA's), (Start: 69 @8309 has 1 MA's), (79, 8336), (107, 8414), (111, 8432), (114, 8447), (154, 8600), (166, 8639), (168, 8645), (182, 8684), (192, 8723), (198, 8744),

Gene: Floof_12 Start: 8217, Stop: 8795, Start Num: 56

Candidate Starts for Floof_12:

(Start: 56 @8217 has 205 MA's), (88, 8286), (172, 8562), (192, 8625), (197, 8643), (217, 8730),

Gene: Flutur_13 Start: 9467, Stop: 10018, Start Num: 56
Candidate Starts for Flutur_13:
(Start: 56 @9467 has 205 MA's), (81, 9518), (145, 9710), (150, 9731), (153, 9746), (211, 9950),

Gene: Forester_21 Start: 9770, Stop: 10336, Start Num: 56
Candidate Starts for Forester_21:
(Start: 56 @9770 has 205 MA's), (88, 9839), (145, 10016), (172, 10115), (193, 10181), (212, 10259),
(217, 10283),

Gene: Forge_15 Start: 9938, Stop: 10477, Start Num: 56
Candidate Starts for Forge_15:
(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983),
(101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295),
(191, 10337), (211, 10418),

Gene: Francois_16 Start: 9714, Stop: 10259, Start Num: 56
Candidate Starts for Francois_16:
(Start: 56 @9714 has 205 MA's), (Start: 69 @9735 has 1 MA's), (189, 10113), (221, 10239),

Gene: Franklin22_11 Start: 8165, Stop: 8755, Start Num: 56
Candidate Starts for Franklin22_11:
(16, 8033), (Start: 56 @8165 has 205 MA's), (Start: 61 @8171 has 1 MA's), (Start: 69 @8186 has 1
MA's), (103, 8276), (111, 8309), (114, 8324), (154, 8477), (166, 8516), (189, 8591), (191, 8597), (193,
8603),

Gene: Frickyeah_13 Start: 7514, Stop: 8086, Start Num: 63
Candidate Starts for Frickyeah_13:
(Start: 63 @7514 has 22 MA's), (72, 7535), (79, 7556), (85, 7568), (128, 7727), (143, 7769), (151,
7802), (207, 7991), (231, 8075),

Gene: Frokostdame_14 Start: 8673, Stop: 9311, Start Num: 60
Candidate Starts for Frokostdame_14:
(1, 8058), (5, 8316), (Start: 57 @8670 has 4 MA's), (Start: 60 @8673 has 39 MA's), (97, 8778), (135,
8931), (154, 9006), (161, 9030), (182, 9078), (205, 9174), (228, 9258), (233, 9294),

Gene: Frosty24_13 Start: 9854, Stop: 10468, Start Num: 36
Candidate Starts for Frosty24_13:
(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022),
(114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256),
(177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Fryberger_45 Start: 16970, Stop: 17527, Start Num: 65
Candidate Starts for Fryberger_45:
(Start: 65 @16970 has 14 MA's), (72, 16988), (94, 17051), (154, 17276), (165, 17294), (168, 17303),
(182, 17342), (185, 17354), (205, 17441),

Gene: Gack_11 Start: 8231, Stop: 8821, Start Num: 56
Candidate Starts for Gack_11:
(16, 8099), (Start: 56 @8231 has 205 MA's), (Start: 61 @8237 has 1 MA's), (Start: 69 @8252 has 1
MA's), (111, 8375), (114, 8390), (154, 8543), (155, 8549), (166, 8582), (191, 8663), (227, 8801),

Gene: Gaia_10 Start: 8073, Stop: 8660, Start Num: 63
Candidate Starts for Gaia_10:

(Start: 63 @8073 has 22 MA's), (94, 8154), (108, 8193), (117, 8235), (129, 8289), (141, 8325), (168, 8424), (179, 8454), (201, 8544), (211, 8586), (219, 8619),

Gene: Gambino_16 Start: 9023, Stop: 9661, Start Num: 60

Candidate Starts for Gambino_16:

(Start: 57 @9020 has 4 MA's), (Start: 60 @9023 has 39 MA's), (93, 9113), (97, 9128), (115, 9194), (124, 9230), (135, 9281), (154, 9356), (161, 9380), (182, 9428), (197, 9485), (205, 9524), (228, 9608), (233, 9644),

Gene: Gambol_13 Start: 8889, Stop: 9449, Start Num: 56

Candidate Starts for Gambol_13:

(Start: 56 @8889 has 205 MA's), (145, 9132), (153, 9168), (171, 9225), (207, 9357),

Gene: Gancho_14 Start: 9638, Stop: 10177, Start Num: 56

Candidate Starts for Gancho_14:

(Start: 56 @9638 has 205 MA's), (Start: 69 @9659 has 1 MA's), (70, 9662), (71, 9665), (79, 9683), (101, 9749), (114, 9785), (144, 9899), (150, 9923), (151, 9926), (171, 9971), (180, 9995), (191, 10037), (211, 10118),

Gene: Ganymede_19 Start: 10521, Stop: 11135, Start Num: 36

Candidate Starts for Ganymede_19:

(Start: 36 @10521 has 203 MA's), (Start: 69 @10566 has 1 MA's), (111, 10689), (125, 10743), (138, 10800), (144, 10815), (166, 10899), (168, 10905), (182, 10944), (185, 10956), (192, 10983), (204, 11028), (206, 11043), (213, 11067),

Gene: GardenState_12 Start: 8881, Stop: 9447, Start Num: 56

Candidate Starts for GardenState_12:

(Start: 56 @8881 has 205 MA's), (130, 9079), (172, 9226),

Gene: Gengar_16 Start: 10555, Stop: 11166, Start Num: 36

Candidate Starts for Gengar_16:

(Start: 36 @10555 has 203 MA's), (Start: 69 @10600 has 1 MA's), (125, 10777), (138, 10834), (144, 10849), (149, 10864), (166, 10933), (168, 10939), (182, 10978), (185, 10990), (188, 11005), (200, 11044), (204, 11062), (206, 11077), (213, 11101), (220, 11131),

Gene: Geraldini_18 Start: 10524, Stop: 11135, Start Num: 36

Candidate Starts for Geraldini_18:

(Start: 36 @10524 has 203 MA's), (Start: 69 @10566 has 1 MA's), (111, 10689), (125, 10743), (138, 10800), (144, 10815), (166, 10899), (168, 10905), (182, 10944), (185, 10956), (192, 10983), (204, 11028), (206, 11043), (213, 11067),

Gene: Gerri43_14 Start: 8154, Stop: 8732, Start Num: 62

Candidate Starts for Gerri43_14:

(Start: 62 @8154 has 7 MA's), (149, 8433), (177, 8535), (193, 8589), (228, 8721),

Gene: Getalong_13 Start: 7496, Stop: 8068, Start Num: 63

Candidate Starts for Getalong_13:

(Start: 63 @7496 has 22 MA's), (72, 7517), (79, 7538), (85, 7550), (128, 7709), (143, 7751), (151, 7784), (207, 7973), (231, 8057),

Gene: Gibbzilla_14 Start: 8211, Stop: 8789, Start Num: 62

Candidate Starts for Gibbzilla_14:

(Start: 62 @8211 has 7 MA's), (73, 8235), (114, 8361), (182, 8601), (198, 8661),

Gene: Gideon_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Gideon_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Giles_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for Giles_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295), (191, 10337), (211, 10418),

Gene: Giorgio_13 Start: 8982, Stop: 9551, Start Num: 56

Candidate Starts for Giorgio_13:

(Start: 56 @8982 has 205 MA's), (145, 9225), (153, 9261), (172, 9324), (206, 9447), (217, 9492), (222, 9507),

Gene: Glotell_12 Start: 8378, Stop: 8959, Start Num: 56

Candidate Starts for Glotell_12:

(Start: 56 @8378 has 205 MA's), (Start: 69 @8399 has 1 MA's), (154, 8687), (182, 8771), (192, 8810), (193, 8813), (201, 8846), (217, 8915), (228, 8945),

Gene: GodSpeed_13 Start: 9929, Stop: 10549, Start Num: 36

Candidate Starts for GodSpeed_13:

(3, 9530), (7, 9719), (11, 9803), (Start: 36 @9929 has 203 MA's), (77, 10004), (97, 10061), (111, 10103), (114, 10118), (138, 10214), (144, 10229), (150, 10253), (166, 10313), (173, 10337), (188, 10385), (192, 10397), (197, 10415), (206, 10457), (220, 10511),

Gene: Goib_18 Start: 10694, Stop: 11284, Start Num: 75

Candidate Starts for Goib_18:

(Start: 75 @10694 has 10 MA's), (87, 10727), (97, 10760), (102, 10778), (121, 10856), (184, 11090), (185, 11093), (192, 11120), (209, 11192),

Gene: GoldenAsh_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for GoldenAsh_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Gomashi_13 Start: 9855, Stop: 10469, Start Num: 36

Candidate Starts for Gomashi_13:

(Start: 36 @9855 has 203 MA's), (Start: 69 @9900 has 1 MA's), (77, 9924), (106, 10002), (111, 10023), (114, 10038), (138, 10134), (144, 10149), (150, 10173), (154, 10194), (166, 10233), (173, 10257), (177, 10266), (182, 10278), (197, 10335), (204, 10362), (206, 10377), (213, 10401),

Gene: GrandSlam_16 Start: 9733, Stop: 10278, Start Num: 56

Candidate Starts for GrandSlam_16:

(Start: 56 @9733 has 205 MA's), (Start: 69 @9754 has 1 MA's), (88, 9802), (189, 10132),

Gene: Gravaillia_15 Start: 9671, Stop: 10210, Start Num: 56

Candidate Starts for Gravaillia_15:

(Start: 56 @9671 has 205 MA's), (Start: 69 @9692 has 1 MA's), (70, 9695), (71, 9698), (79, 9716), (101, 9782), (114, 9818), (144, 9932), (150, 9956), (151, 9959), (171, 10004), (180, 10028), (191, 10070), (211, 10151),

Gene: Gravel_14 Start: 8960, Stop: 9544, Start Num: 56

Candidate Starts for Gravel_14:

(Start: 56 @8960 has 205 MA's), (201, 9428), (217, 9497), (221, 9509),

Gene: Gretchen_12 Start: 9764, Stop: 10330, Start Num: 56

Candidate Starts for Gretchen_12:

(Start: 56 @9764 has 205 MA's), (88, 9833), (145, 10010), (172, 10109), (193, 10175), (212, 10253), (217, 10277),

Gene: GrimEater_13 Start: 7199, Stop: 7771, Start Num: 60

Candidate Starts for GrimEater_13:

(Start: 60 @7199 has 39 MA's), (79, 7247), (126, 7409), (171, 7550), (174, 7562), (197, 7634), (205, 7673),

Gene: Grizzly_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Grizzly_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (149, 10163), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Gspu1_15 Start: 9141, Stop: 9716, Start Num: 75

Candidate Starts for Gspu1_15:

(Start: 57 @9105 has 4 MA's), (Start: 75 @9141 has 10 MA's), (87, 9174), (90, 9186), (92, 9192), (97, 9207), (102, 9225), (140, 9381), (141, 9384), (162, 9468), (176, 9504), (184, 9525), (186, 9537),

Gene: Guacamole_14 Start: 8683, Stop: 9321, Start Num: 60

Candidate Starts for Guacamole_14:

(Start: 57 @8680 has 4 MA's), (Start: 60 @8683 has 39 MA's), (93, 8773), (97, 8788), (135, 8941), (154, 9016), (161, 9040), (182, 9088), (197, 9145), (205, 9184), (228, 9268), (233, 9304),

Gene: Guanica15_18 Start: 9455, Stop: 10069, Start Num: 39

Candidate Starts for Guanica15_18:

(Start: 39 @9455 has 47 MA's), (114, 9638), (125, 9677), (138, 9734), (149, 9764), (154, 9794), (166, 9833), (168, 9839), (182, 9878), (185, 9890), (204, 9962), (213, 10001), (220, 10031), (227, 10052),

Gene: Guey18_50 Start: 18163, Stop: 18720, Start Num: 65

Candidate Starts for Guey18_50:

(Start: 65 @18163 has 14 MA's), (72, 18181), (94, 18244), (154, 18469), (165, 18487), (168, 18496), (182, 18535), (185, 18547), (205, 18634),

Gene: Guillsminger_16 Start: 10530, Stop: 11141, Start Num: 36

Candidate Starts for Guillsminger_16:

(Start: 36 @10530 has 203 MA's), (Start: 69 @10575 has 1 MA's), (125, 10752), (138, 10809), (144, 10824), (149, 10839), (166, 10908), (168, 10914), (182, 10953), (185, 10965), (188, 10980), (200, 11019), (204, 11037), (206, 11052), (213, 11076), (220, 11106),

Gene: Gumpizza_13 Start: 8981, Stop: 9541, Start Num: 56

Candidate Starts for Gumpizza_13:

(Start: 56 @8981 has 205 MA's), (145, 9224), (153, 9260), (172, 9323), (207, 9449), (222, 9506),

Gene: Gustav_11 Start: 7634, Stop: 8188, Start Num: 48

Candidate Starts for Gustav_11:

(Start: 48 @7634 has 2 MA's), (Start: 56 @7646 has 205 MA's), (83, 7700), (96, 7742), (101, 7757), (133, 7880), (140, 7901), (194, 8063), (223, 8177),

Gene: HH92_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for HH92_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295), (191, 10337), (211, 10418),

Gene: Hadrien_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for Hadrien_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295), (191, 10337), (211, 10418),

Gene: Hail_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for Hail_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295), (191, 10337), (211, 10418),

Gene: Halo_13 Start: 9849, Stop: 10463, Start Num: 36

Candidate Starts for Halo_13:

(Start: 36 @9849 has 203 MA's), (Start: 69 @9894 has 1 MA's), (77, 9918), (111, 10017), (114, 10032), (138, 10128), (144, 10143), (149, 10158), (150, 10167), (154, 10188), (166, 10227), (173, 10251), (177, 10260), (182, 10272), (197, 10329), (204, 10356), (206, 10371), (213, 10395),

Gene: Halsey_13 Start: 8980, Stop: 9540, Start Num: 56

Candidate Starts for Halsey_13:

(Start: 56 @8980 has 205 MA's), (145, 9223), (153, 9259), (172, 9322), (207, 9448), (222, 9505),

Gene: HamCheese_12 Start: 8378, Stop: 8959, Start Num: 56

Candidate Starts for HamCheese_12:

(Start: 56 @8378 has 205 MA's), (Start: 69 @8399 has 1 MA's), (154, 8687), (182, 8771), (192, 8810), (193, 8813), (201, 8846), (217, 8915), (228, 8945),

Gene: Hammy_17 Start: 10525, Stop: 11139, Start Num: 39

Candidate Starts for Hammy_17:

(Start: 39 @10525 has 47 MA's), (Start: 56 @10549 has 205 MA's), (Start: 69 @10570 has 1 MA's), (116, 10714), (125, 10747), (138, 10804), (144, 10819), (166, 10903), (168, 10909), (182, 10948), (185, 10960), (192, 10987), (206, 11047), (213, 11071), (220, 11101),

Gene: Hamood_16 Start: 9733, Stop: 10278, Start Num: 56

Candidate Starts for Hamood_16:

(Start: 56 @9733 has 205 MA's), (Start: 69 @9754 has 1 MA's), (88, 9802), (189, 10132),

Gene: HannahPhantana_14 Start: 8967, Stop: 9548, Start Num: 56

Candidate Starts for HannahPhantana_14:

(Start: 56 @8967 has 205 MA's), (Start: 69 @8988 has 1 MA's), (100, 9075), (114, 9123), (154, 9276), (182, 9360), (191, 9396), (193, 9402), (201, 9435), (217, 9504),

Gene: HedwigODU_18 Start: 10504, Stop: 11118, Start Num: 36

Candidate Starts for HedwigODU_18:

(Start: 36 @10504 has 203 MA's), (Start: 69 @10549 has 1 MA's), (111, 10672), (125, 10726), (138, 10783), (144, 10798), (166, 10882), (168, 10888), (182, 10927), (185, 10939), (192, 10966), (204, 11011), (206, 11026), (213, 11050), (230, 11107),

Gene: Heftyboy_16 Start: 10657, Stop: 11268, Start Num: 36

Candidate Starts for Heftyboy_16:

(Start: 36 @10657 has 203 MA's), (Start: 69 @10702 has 1 MA's), (125, 10879), (138, 10936), (144, 10951), (149, 10966), (166, 11035), (168, 11041), (182, 11080), (188, 11107), (200, 11146), (204, 11164), (206, 11179), (213, 11203), (220, 11233),

Gene: Heinz_12 Start: 7958, Stop: 8524, Start Num: 56

Candidate Starts for Heinz_12:

(Start: 56 @7958 has 205 MA's), (84, 8015), (140, 8213), (184, 8336), (198, 8390), (218, 8477),

Gene: Hibiscus_12 Start: 7938, Stop: 8504, Start Num: 56

Candidate Starts for Hibiscus_12:

(Start: 56 @7938 has 205 MA's), (140, 8193), (177, 8298), (184, 8316), (198, 8370),

Gene: Hilltopfarm_19 Start: 12517, Stop: 13158, Start Num: 29

Candidate Starts for Hilltopfarm_19:

(Start: 29 @12517 has 2 MA's), (44, 12547), (Start: 62 @12577 has 7 MA's), (80, 12622), (128, 12793), (145, 12844), (149, 12856), (154, 12886), (182, 12970), (189, 13000), (204, 13054), (228, 13147),

Gene: Hitter_14 Start: 8679, Stop: 9317, Start Num: 60

Candidate Starts for Hitter_14:

(Start: 57 @8676 has 4 MA's), (Start: 60 @8679 has 39 MA's), (93, 8769), (97, 8784), (115, 8850), (135, 8937), (154, 9012), (161, 9036), (182, 9084), (197, 9141), (205, 9180), (228, 9264), (233, 9300),

Gene: Holliday_13 Start: 7501, Stop: 8073, Start Num: 63

Candidate Starts for Holliday_13:

(Start: 63 @7501 has 22 MA's), (72, 7522), (79, 7543), (85, 7555), (128, 7714), (143, 7756), (151, 7789), (207, 7978), (231, 8062),

Gene: Homura_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Homura_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: Honk_11 Start: 7750, Stop: 8304, Start Num: 56

Candidate Starts for Honk_11:

(18, 7645), (Start: 56 @7750 has 205 MA's), (145, 7993),

Gene: Hope_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Hope_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Horus_13 Start: 7514, Stop: 8086, Start Num: 63

Candidate Starts for Horus_13:

(Start: 63 @7514 has 22 MA's), (72, 7535), (79, 7556), (85, 7568), (128, 7727), (143, 7769), (151, 7802), (207, 7991), (231, 8075),

Gene: Hotshotbaby7_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Hotshotbaby7_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Huffu_19 Start: 10919, Stop: 11509, Start Num: 75

Candidate Starts for Huffu_19:

(Start: 75 @10919 has 10 MA's), (87, 10952), (97, 10985), (102, 11003), (152, 11204), (184, 11315), (185, 11318), (192, 11345), (209, 11417),

Gene: Hurricane_17 Start: 10577, Stop: 11188, Start Num: 35

Candidate Starts for Hurricane_17:

(Start: 35 @10577 has 7 MA's), (Start: 69 @10622 has 1 MA's), (125, 10799), (138, 10856), (144, 10871), (154, 10916), (166, 10955), (168, 10961), (169, 10964), (182, 11000), (185, 11012), (188, 11027), (204, 11084), (206, 11099), (213, 11123),

Gene: Hyperbowlee_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Hyperbowlee_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: IAmGroot_12 Start: 9525, Stop: 10091, Start Num: 56

Candidate Starts for IAmGroot_12:

(Start: 56 @9525 has 205 MA's), (130, 9723), (172, 9870),

Gene: IUFootball_12 Start: 7927, Stop: 8487, Start Num: 56

Candidate Starts for IUFootball_12:

(Start: 56 @7927 has 205 MA's), (145, 8170), (151, 8194), (181, 8290), (188, 8323), (197, 8353), (200, 8362), (229, 8476),

Gene: Ibantik_76 Start: 35791, Stop: 36390, Start Num: 68

Candidate Starts for Ibantik_76:

(Start: 68 @35791 has 5 MA's), (84, 35836), (111, 35935), (132, 36022), (183, 36205), (196, 36256), (214, 36328), (227, 36373),

Gene: Illumine_18 Start: 10494, Stop: 11108, Start Num: 36

Candidate Starts for Illumine_18:

(Start: 36 @10494 has 203 MA's), (Start: 69 @10539 has 1 MA's), (111, 10662), (125, 10716), (138, 10773), (144, 10788), (154, 10833), (166, 10872), (168, 10878), (182, 10917), (185, 10929), (192, 10956), (204, 11001), (206, 11016), (213, 11040),

Gene: Inky_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Inky_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: InvictusManeo_16 Start: 10628, Stop: 11239, Start Num: 36

Candidate Starts for InvictusManeo_16:

(Start: 36 @10628 has 203 MA's), (Start: 69 @10673 has 1 MA's), (125, 10850), (138, 10907), (144, 10922), (149, 10937), (166, 11006), (168, 11012), (182, 11051), (188, 11078), (204, 11135), (206, 11150), (213, 11174), (220, 11204),

Gene: Iter_13 Start: 9483, Stop: 10034, Start Num: 56

Candidate Starts for Iter_13:

(Start: 56 @9483 has 205 MA's), (96, 9570), (150, 9747), (153, 9762),

Gene: IttyBittyPiggy_13 Start: 9467, Stop: 10018, Start Num: 56

Candidate Starts for IttyBittyPiggy_13:

(Start: 56 @9467 has 205 MA's), (145, 9710),

Gene: JAWS_18 Start: 10498, Stop: 11109, Start Num: 36

Candidate Starts for JAWS_18:

(Start: 36 @10498 has 203 MA's), (Start: 69 @10540 has 1 MA's), (111, 10663), (125, 10717), (138, 10774), (144, 10789), (166, 10873), (168, 10879), (182, 10918), (185, 10930), (192, 10957), (204, 11002), (206, 11017), (213, 11041), (230, 11098),

Gene: JF1_19 Start: 11716, Stop: 12327, Start Num: 39

Candidate Starts for JF1_19:

(Start: 39 @11716 has 47 MA's), (Start: 78 @11782 has 1 MA's), (80, 11788), (97, 11836), (114, 11893), (116, 11899), (122, 11920), (125, 11932), (144, 12004), (166, 12088), (168, 12094), (182, 12133), (185, 12145), (188, 12160), (204, 12217), (206, 12232), (213, 12256), (220, 12286),

Gene: Jabbawokkie_15 Start: 8202, Stop: 8795, Start Num: 65

Candidate Starts for Jabbawokkie_15:

(Start: 65 @8202 has 14 MA's), (72, 8220), (111, 8337), (121, 8376), (136, 8442), (149, 8475), (151, 8487), (155, 8511), (182, 8583), (184, 8592), (186, 8604), (189, 8616), (197, 8640), (201, 8658),

Gene: JacoRen57_12 Start: 8388, Stop: 9011, Start Num: 39

Candidate Starts for JacoRen57_12:

(Start: 39 @8388 has 47 MA's), (111, 8550), (126, 8622), (166, 8769), (173, 8793), (182, 8814), (213, 8937), (227, 8988),

Gene: Jalammah_15 Start: 8950, Stop: 9588, Start Num: 60

Candidate Starts for Jalammah_15:

(Start: 57 @8947 has 4 MA's), (Start: 60 @8950 has 39 MA's), (93, 9040), (97, 9055), (115, 9121), (135, 9208), (154, 9283), (161, 9307), (182, 9355), (197, 9412), (205, 9451), (228, 9535), (233, 9571),

Gene: Jane_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Jane_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Janeemi_14 Start: 10558, Stop: 11109, Start Num: 56

Candidate Starts for Janeemi_14:

(Start: 56 @10558 has 205 MA's), (150, 10822), (153, 10837),

Gene: Jankie_14 Start: 7198, Stop: 7770, Start Num: 60

Candidate Starts for Jankie_14:

(Start: 60 @7198 has 39 MA's), (79, 7246), (126, 7408), (171, 7549), (174, 7561), (197, 7633), (205, 7672),

Gene: Jarvi_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Jarvi_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: JasmineDragon_12 Start: 7693, Stop: 8247, Start Num: 56

Candidate Starts for JasmineDragon_12:

(Start: 56 @7693 has 205 MA's), (153, 7972), (165, 8008),

Gene: JasperJr_14 Start: 8683, Stop: 9321, Start Num: 60

Candidate Starts for JasperJr_14:

(Start: 57 @8680 has 4 MA's), (Start: 60 @8683 has 39 MA's), (93, 8773), (97, 8788), (135, 8941), (154, 9016), (161, 9040), (182, 9088), (197, 9145), (205, 9184), (228, 9268), (233, 9304),

Gene: Jayhawk_18 Start: 10505, Stop: 11119, Start Num: 36

Candidate Starts for Jayhawk_18:

(Start: 36 @10505 has 203 MA's), (Start: 69 @10550 has 1 MA's), (111, 10673), (125, 10727), (138, 10784), (144, 10799), (166, 10883), (168, 10889), (182, 10928), (185, 10940), (192, 10967), (204, 11012), (206, 11027), (213, 11051), (230, 11108),

Gene: Jeckyll_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Jeckyll_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: Jeilious_13 Start: 9853, Stop: 10467, Start Num: 36

Candidate Starts for Jeilious_13:

(Start: 36 @9853 has 203 MA's), (Start: 69 @9898 has 1 MA's), (77, 9922), (106, 10000), (111, 10021), (114, 10036), (138, 10132), (144, 10147), (150, 10171), (154, 10192), (166, 10231), (173, 10255), (177, 10264), (182, 10276), (197, 10333), (204, 10360), (206, 10375), (213, 10399),

Gene: Jerole_14 Start: 8964, Stop: 9545, Start Num: 56

Candidate Starts for Jerole_14:

(Start: 56 @8964 has 205 MA's), (Start: 69 @8985 has 1 MA's), (100, 9072), (114, 9120), (154, 9273), (182, 9357), (191, 9393), (193, 9399), (201, 9432), (217, 9501),

Gene: Joemato_13 Start: 9468, Stop: 10019, Start Num: 56

Candidate Starts for Joemato_13:

(Start: 56 @9468 has 205 MA's), (145, 9711), (150, 9732), (153, 9747), (211, 9951),

Gene: JohnDoe_13 Start: 9466, Stop: 10014, Start Num: 56

Candidate Starts for JohnDoe_13:

(Start: 56 @9466 has 205 MA's), (145, 9709), (150, 9730), (153, 9745), (211, 9949),

Gene: JohnThicc_12 Start: 7693, Stop: 8247, Start Num: 56

Candidate Starts for JohnThicc_12:

(Start: 56 @7693 has 205 MA's), (150, 7957), (153, 7972),

Gene: Jojo24_12 Start: 7933, Stop: 8499, Start Num: 56

Candidate Starts for Jojo24_12:

(Start: 56 @7933 has 205 MA's), (140, 8188), (177, 8293), (184, 8311), (198, 8365),

Gene: Jolene_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Jolene_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Jolie2_13 Start: 9130, Stop: 9750, Start Num: 36

Candidate Starts for Jolie2_13:

(Start: 36 @9130 has 203 MA's), (77, 9205), (97, 9262), (114, 9319), (138, 9415), (144, 9430), (149, 9445), (154, 9475), (166, 9514), (173, 9538), (188, 9586), (197, 9616), (206, 9658), (219, 9709),

Gene: Jonghyun_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Jonghyun_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: JorRay_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for JorRay_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Joy99_18 Start: 10470, Stop: 11084, Start Num: 36

Candidate Starts for Joy99_18:

(Start: 36 @10470 has 203 MA's), (Start: 69 @10515 has 1 MA's), (111, 10638), (125, 10692), (138, 10749), (144, 10764), (166, 10848), (168, 10854), (182, 10893), (185, 10905), (192, 10932), (204, 10977), (206, 10992), (213, 11016), (230, 11073),

Gene: Jstan_13 Start: 9449, Stop: 10000, Start Num: 56

Candidate Starts for Jstan_13:

(Start: 56 @9449 has 205 MA's), (150, 9713), (153, 9728), (211, 9932),

Gene: JuJu_14 Start: 8607, Stop: 9245, Start Num: 60

Candidate Starts for JuJu_14:

(Start: 57 @8604 has 4 MA's), (Start: 60 @8607 has 39 MA's), (93, 8697), (97, 8712), (135, 8865), (154, 8940), (161, 8964), (182, 9012), (197, 9069), (205, 9108), (228, 9192), (233, 9228),

Gene: Juliette_19 Start: 11592, Stop: 12203, Start Num: 39

Candidate Starts for Juliette_19:

(Start: 39 @11592 has 47 MA's), (Start: 78 @11658 has 1 MA's), (80, 11664), (97, 11712), (114, 11769), (116, 11775), (122, 11796), (125, 11808), (138, 11865), (144, 11880), (149, 11895), (166, 11964), (168, 11970), (188, 12036), (204, 12093), (206, 12108), (213, 12132), (220, 12162),

Gene: JuneStar_13 Start: 9561, Stop: 10112, Start Num: 56

Candidate Starts for JuneStar_13:

(Start: 56 @9561 has 205 MA's), (145, 9804), (212, 10047),

Gene: Juno112_12 Start: 8379, Stop: 8960, Start Num: 56

Candidate Starts for Juno112_12:

(Start: 56 @8379 has 205 MA's), (Start: 69 @8400 has 1 MA's), (154, 8688), (182, 8772), (192, 8811), (193, 8814), (201, 8847), (217, 8916), (228, 8946),

Gene: JustASigh_12 Start: 8934, Stop: 9476, Start Num: 56

Candidate Starts for JustASigh_12:

(Start: 56 @8934 has 205 MA's), (Start: 69 @8955 has 1 MA's), (101, 9051), (113, 9084), (144, 9201), (147, 9210), (170, 9270), (171, 9273), (180, 9297), (188, 9330), (194, 9351),

Gene: KHumphrey_12 Start: 8378, Stop: 8959, Start Num: 56

Candidate Starts for KHumphrey_12:

(Start: 56 @8378 has 205 MA's), (Start: 69 @8399 has 1 MA's), (154, 8687), (182, 8771), (192, 8810), (193, 8813), (201, 8846), (217, 8915), (228, 8945),

Gene: Kalimba_13 Start: 8889, Stop: 9449, Start Num: 56

Candidate Starts for Kalimba_13:

(Start: 56 @8889 has 205 MA's), (145, 9132), (153, 9168), (171, 9225), (207, 9357),

Gene: Kamaru_13 Start: 7501, Stop: 8073, Start Num: 63

Candidate Starts for Kamaru_13:

(Start: 63 @7501 has 22 MA's), (72, 7522), (79, 7543), (85, 7555), (128, 7714), (143, 7756), (151, 7789), (207, 7978), (231, 8062),

Gene: KappaFarmDelta_14 Start: 8832, Stop: 9470, Start Num: 60

Candidate Starts for KappaFarmDelta_14:

(Start: 57 @8829 has 4 MA's), (Start: 60 @8832 has 39 MA's), (93, 8922), (97, 8937), (115, 9003), (124, 9039), (154, 9165), (161, 9189), (182, 9237), (197, 9294), (205, 9333), (228, 9417), (233, 9453),

Gene: Kareem_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Kareem_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Kasen3_13 Start: 9855, Stop: 10469, Start Num: 36

Candidate Starts for Kasen3_13:

(Start: 36 @9855 has 203 MA's), (Start: 69 @9900 has 1 MA's), (77, 9924), (106, 10002), (111, 10023), (114, 10038), (138, 10134), (144, 10149), (150, 10173), (154, 10194), (166, 10233), (173, 10257), (177, 10266), (182, 10278), (197, 10335), (204, 10362), (206, 10377), (213, 10401),

Gene: Katzastrophic_12 Start: 8463, Stop: 9053, Start Num: 56

Candidate Starts for Katzastrophic_12:

(Start: 56 @8463 has 205 MA's), (Start: 61 @8469 has 1 MA's), (Start: 69 @8484 has 1 MA's), (79, 8511), (107, 8589), (111, 8607), (114, 8622), (154, 8775), (166, 8814), (168, 8820), (182, 8859), (192, 8898), (198, 8919),

Gene: Kaylissa_13 Start: 9469, Stop: 10020, Start Num: 56

Candidate Starts for Kaylissa_13:

(Start: 56 @9469 has 205 MA's), (145, 9712), (150, 9733), (153, 9748), (211, 9952),

Gene: KeAlii_13 Start: 9493, Stop: 10050, Start Num: 56

Candidate Starts for KeAlii_13:

(Start: 56 @9493 has 205 MA's), (130, 9688), (135, 9706), (150, 9757), (153, 9772), (175, 9850),

Gene: Keelan_43 Start: 16946, Stop: 17503, Start Num: 65

Candidate Starts for Keelan_43:

(Start: 65 @16946 has 14 MA's), (72, 16964), (126, 17153), (168, 17279), (182, 17318), (197, 17378), (205, 17417),

Gene: Keiki_11 Start: 7170, Stop: 7796, Start Num: 67

Candidate Starts for Keiki_11:

(Start: 59 @7158 has 12 MA's), (Start: 65 @7167 has 14 MA's), (Start: 67 @7170 has 29 MA's), (100, 7263), (123, 7350), (130, 7386), (182, 7539), (183, 7542), (197, 7596), (205, 7635), (211, 7656), (222, 7698), (227, 7716),

Gene: KendraB23_14 Start: 8961, Stop: 9545, Start Num: 56

Candidate Starts for KendraB23_14:

(Start: 56 @8961 has 205 MA's), (201, 9429), (217, 9498), (221, 9510),

Gene: Kenna_13 Start: 7514, Stop: 8086, Start Num: 63

Candidate Starts for Kenna_13:

(Start: 63 @7514 has 22 MA's), (72, 7535), (79, 7556), (85, 7568), (128, 7727), (143, 7769), (151, 7802), (207, 7991), (231, 8075),

Gene: Kepler_13 Start: 8802, Stop: 9383, Start Num: 56

Candidate Starts for Kepler_13:

(Start: 56 @8802 has 205 MA's), (Start: 69 @8823 has 1 MA's), (100, 8910), (114, 8958), (154, 9111), (182, 9195), (191, 9231), (193, 9237), (201, 9270), (217, 9339),

Gene: Keshu_17 Start: 10564, Stop: 11175, Start Num: 35

Candidate Starts for Keshu_17:

(Start: 35 @10564 has 7 MA's), (Start: 69 @10609 has 1 MA's), (125, 10786), (138, 10843), (144, 10858), (154, 10903), (166, 10942), (168, 10948), (169, 10951), (182, 10987), (185, 10999), (188, 11014), (204, 11071), (206, 11086), (213, 11110),

Gene: KiSi_17 Start: 9433, Stop: 10044, Start Num: 36

Candidate Starts for KiSi_17:

(Start: 36 @9433 has 203 MA's), (Start: 69 @9475 has 1 MA's), (138, 9709), (144, 9724), (149, 9739), (154, 9769), (166, 9808), (168, 9814), (182, 9853), (185, 9865), (204, 9937), (206, 9952), (213, 9976), (220, 10006), (227, 10027),

Gene: Kinbote_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for Kinbote_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295), (191, 10337), (211, 10418),

Gene: Kratio_15 Start: 10255, Stop: 10866, Start Num: 36

Candidate Starts for Kratio_15:

(Start: 36 @10255 has 203 MA's), (Start: 69 @10300 has 1 MA's), (138, 10534), (144, 10549), (149, 10564), (166, 10633), (168, 10639), (182, 10678), (188, 10705), (204, 10762), (206, 10777), (213, 10801), (220, 10831),

Gene: Kraw_19 Start: 11636, Stop: 12247, Start Num: 39

Candidate Starts for Kraw_19:

(Start: 39 @11636 has 47 MA's), (Start: 78 @11702 has 1 MA's), (80, 11708), (97, 11756), (114, 11813), (116, 11819), (122, 11840), (125, 11852), (138, 11909), (144, 11924), (166, 12008), (168, 12014), (182, 12053), (185, 12065), (188, 12080), (206, 12152), (213, 12176), (220, 12206),

Gene: Kromp_14 Start: 9809, Stop: 10375, Start Num: 78

Candidate Starts for Kromp_14:

(2, 9206), (4, 9401), (Start: 78 @9809 has 1 MA's), (104, 9893), (114, 9935), (118, 9950), (120, 9956), (140, 10037), (160, 10115), (165, 10130), (209, 10292),

Gene: Krueger_17 Start: 9483, Stop: 10097, Start Num: 36

Candidate Starts for Krueger_17:

(Start: 36 @9483 has 203 MA's), (Start: 69 @9528 has 1 MA's), (125, 9705), (138, 9762), (144, 9777), (149, 9792), (154, 9822), (166, 9861), (168, 9867), (206, 10005), (214, 10032), (227, 10080),

Gene: Kubed_11 Start: 7161, Stop: 7790, Start Num: 67

Candidate Starts for Kubed_11:

(Start: 59 @7149 has 12 MA's), (Start: 65 @7158 has 14 MA's), (Start: 67 @7161 has 29 MA's), (109, 7284), (123, 7341), (182, 7530), (183, 7533), (205, 7626), (209, 7641), (211, 7647), (222, 7689), (227, 7707),

Gene: Kuleana_13 Start: 8760, Stop: 9341, Start Num: 56

Candidate Starts for Kuleana_13:

(Start: 56 @8760 has 205 MA's), (Start: 69 @8781 has 1 MA's), (108, 8886), (114, 8916), (154, 9069), (182, 9153), (192, 9192), (201, 9228), (211, 9270), (217, 9297),

Gene: Kuwabara_13 Start: 7836, Stop: 8429, Start Num: 66

Candidate Starts for Kuwabara_13:

(Start: 66 @7836 has 11 MA's), (Start: 74 @7857 has 1 MA's), (83, 7881), (116, 7995), (129, 8055), (138, 8085), (147, 8109), (149, 8115), (155, 8151), (157, 8154), (168, 8190), (182, 8229), (209, 8340),

Gene: LadyAstra_12 Start: 7693, Stop: 8247, Start Num: 56

Candidate Starts for LadyAstra_12:

(Start: 56 @7693 has 205 MA's), (150, 7957), (153, 7972), (211, 8173), (229, 8236),

Gene: Laphuphu24k_12 Start: 8378, Stop: 8959, Start Num: 56

Candidate Starts for Laphuphu24k_12:

(Start: 56 @8378 has 205 MA's), (Start: 69 @8399 has 1 MA's), (154, 8687), (182, 8771), (192, 8810), (193, 8813), (201, 8846), (217, 8915), (228, 8945),

Gene: Larva_16 Start: 10368, Stop: 10979, Start Num: 36

Candidate Starts for Larva_16:

(Start: 36 @10368 has 203 MA's), (Start: 69 @10413 has 1 MA's), (138, 10647), (144, 10662), (149, 10677), (166, 10746), (168, 10752), (182, 10791), (185, 10803), (188, 10818), (204, 10875), (206, 10890), (213, 10914), (220, 10944),

Gene: LastHope_18 Start: 9529, Stop: 10143, Start Num: 39

Candidate Starts for LastHope_18:

(Start: 39 @9529 has 47 MA's), (Start: 69 @9574 has 1 MA's), (93, 9640), (114, 9712), (125, 9751), (138, 9808), (149, 9838), (154, 9868), (166, 9907), (168, 9913), (169, 9916), (182, 9952), (204, 10036), (213, 10075), (220, 10105), (227, 10126),

Gene: LastNadiia_17 Start: 10446, Stop: 11024, Start Num: 62

Candidate Starts for LastNadiia_17:

(Start: 62 @10446 has 7 MA's),

Gene: LaterM_18 Start: 10463, Stop: 11074, Start Num: 37

Candidate Starts for LaterM_18:

(Start: 37 @10463 has 5 MA's), (Start: 69 @10505 has 1 MA's), (111, 10628), (125, 10682), (138, 10739), (144, 10754), (154, 10799), (166, 10838), (168, 10844), (182, 10883), (185, 10895), (192, 10922), (204, 10967), (206, 10982), (213, 11006),

Gene: Lauchelly_11 Start: 7156, Stop: 7794, Start Num: 67

Candidate Starts for Lauchelly_11:

(Start: 58 @7144 has 3 MA's), (Start: 65 @7153 has 14 MA's), (Start: 67 @7156 has 29 MA's), (123, 7336), (130, 7372), (182, 7525), (183, 7528), (185, 7537), (209, 7636), (211, 7642), (222, 7684), (227, 7702),

Gene: Lavahound_16 Start: 10216, Stop: 10827, Start Num: 39

Candidate Starts for Lavahound_16:

(6, 9946), (Start: 14 @10111 has 1 MA's), (22, 10174), (24, 10183), (Start: 39 @10216 has 47 MA's), (Start: 69 @10258 has 1 MA's), (111, 10381), (116, 10402), (125, 10435), (138, 10492), (144, 10507), (166, 10591), (168, 10597), (182, 10636), (185, 10648), (192, 10675), (206, 10735), (213, 10759),

Gene: LeMond_17 Start: 9505, Stop: 10116, Start Num: 36

Candidate Starts for LeMond_17:

(Start: 36 @9505 has 203 MA's), (Start: 69 @9547 has 1 MA's), (138, 9781), (144, 9796), (149, 9811), (154, 9841), (166, 9880), (168, 9886), (182, 9925), (185, 9937), (204, 10009), (206, 10024), (213, 10048), (220, 10078), (227, 10099),

Gene: Lea83_17 Start: 10567, Stop: 11178, Start Num: 35

Candidate Starts for Lea83_17:

(Start: 35 @10567 has 7 MA's), (Start: 69 @10612 has 1 MA's), (125, 10789), (138, 10846), (144, 10861), (154, 10906), (166, 10945), (168, 10951), (169, 10954), (182, 10990), (185, 11002), (188, 11017), (204, 11074), (206, 11089), (213, 11113),

Gene: Lebo14_19 Start: 11730, Stop: 12341, Start Num: 39

Candidate Starts for Lebo14_19:

(Start: 39 @11730 has 47 MA's), (Start: 78 @11796 has 1 MA's), (80, 11802), (97, 11850), (114, 11907), (116, 11913), (122, 11934), (125, 11946), (138, 12003), (144, 12018), (166, 12102), (168, 12108), (182, 12147), (185, 12159), (188, 12174), (204, 12231), (206, 12246), (213, 12270), (220, 12300),

Gene: Lego_13 Start: 9467, Stop: 10018, Start Num: 56

Candidate Starts for Lego_13:

(Start: 56 @9467 has 205 MA's), (145, 9710), (150, 9731), (153, 9746), (211, 9950),

Gene: Lemuria_13 Start: 9183, Stop: 9803, Start Num: 36

Candidate Starts for Lemuria_13:

(Start: 36 @9183 has 203 MA's), (Start: 69 @9234 has 1 MA's), (77, 9258), (97, 9315), (111, 9357), (114, 9372), (138, 9468), (144, 9483), (149, 9498), (150, 9507), (154, 9528), (166, 9567), (173, 9591), (182, 9612), (188, 9639), (195, 9663), (197, 9669), (206, 9711),

Gene: Leona_12 Start: 8429, Stop: 9010, Start Num: 56

Candidate Starts for Leona_12:

(Start: 56 @8429 has 205 MA's), (Start: 69 @8450 has 1 MA's), (154, 8738), (182, 8822), (192, 8861), (193, 8864), (201, 8897), (217, 8966), (228, 8996),

Gene: Leroy_13 Start: 7515, Stop: 8087, Start Num: 63

Candidate Starts for Leroy_13:

(Start: 63 @7515 has 22 MA's), (72, 7536), (79, 7557), (85, 7569), (128, 7728), (143, 7770), (151, 7803), (207, 7992), (231, 8076),

Gene: Leston_16 Start: 10660, Stop: 11271, Start Num: 36

Candidate Starts for Leston_16:

(Start: 36 @10660 has 203 MA's), (Start: 69 @10705 has 1 MA's), (125, 10882), (138, 10939), (144, 10954), (149, 10969), (166, 11038), (168, 11044), (182, 11083), (185, 11095), (188, 11110), (200, 11149), (204, 11167), (206, 11182), (213, 11206), (220, 11236),

Gene: Leviosa_11 Start: 7181, Stop: 7813, Start Num: 67

Candidate Starts for Leviosa_11:

(Start: 59 @7169 has 12 MA's), (Start: 65 @7178 has 14 MA's), (Start: 67 @7181 has 29 MA's), (123, 7361), (182, 7550), (183, 7553), (185, 7562), (205, 7646), (209, 7661), (211, 7667), (222, 7709), (227, 7727),

Gene: Liebe_12 Start: 7927, Stop: 8487, Start Num: 56

Candidate Starts for Liebe_12:

(Start: 56 @7927 has 205 MA's), (145, 8170), (151, 8194), (181, 8290), (188, 8323), (197, 8353), (200, 8362), (229, 8476),

Gene: Liefie_13 Start: 9853, Stop: 10467, Start Num: 36

Candidate Starts for Liefie_13:

(Start: 36 @9853 has 203 MA's), (Start: 69 @9898 has 1 MA's), (77, 9922), (106, 10000), (111, 10021), (114, 10036), (138, 10132), (144, 10147), (149, 10162), (150, 10171), (154, 10192), (166, 10231), (173, 10255), (177, 10264), (182, 10276), (197, 10333), (204, 10360), (206, 10375), (213, 10399),

Gene: LilBandit_11 Start: 7167, Stop: 7796, Start Num: 67

Candidate Starts for LilBandit_11:

(Start: 40 @7119 has 1 MA's), (41, 7125), (43, 7128), (50, 7143), (55, 7149), (Start: 59 @7155 has 12 MA's), (Start: 65 @7164 has 14 MA's), (Start: 67 @7167 has 29 MA's), (100, 7260), (123, 7347), (182, 7536), (183, 7539), (185, 7548), (205, 7632), (209, 7647), (211, 7653), (222, 7695), (227, 7713),

Gene: LilDirt_15 Start: 10385, Stop: 10996, Start Num: 36

Candidate Starts for LilDirt_15:

(Start: 36 @10385 has 203 MA's), (Start: 69 @10430 has 1 MA's), (125, 10607), (138, 10664), (144, 10679), (149, 10694), (166, 10763), (168, 10769), (182, 10808), (188, 10835), (204, 10892), (206, 10907), (213, 10931), (220, 10961),

Gene: LilHazelnut_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for LilHazelnut_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295), (191, 10337), (211, 10418),

Gene: LilPharaoh_14 Start: 9777, Stop: 10388, Start Num: 36

Candidate Starts for LilPharaoh_14:

(Start: 36 @9777 has 203 MA's), (Start: 56 @9798 has 205 MA's), (Start: 69 @9819 has 1 MA's), (111, 9942), (114, 9957), (125, 9996), (138, 10053), (144, 10068), (154, 10113), (166, 10152), (168, 10158), (182, 10197), (185, 10209), (204, 10281), (206, 10296), (213, 10320), (220, 10350),

Gene: LindNT_18 Start: 10468, Stop: 11082, Start Num: 36

Candidate Starts for LindNT_18:

(Start: 36 @10468 has 203 MA's), (Start: 69 @10513 has 1 MA's), (111, 10636), (125, 10690), (138, 10747), (144, 10762), (166, 10846), (168, 10852), (182, 10891), (185, 10903), (204, 10975), (206, 10990), (213, 11014), (230, 11071),

Gene: LitninMcQueen_13 Start: 7501, Stop: 8073, Start Num: 63

Candidate Starts for LitninMcQueen_13:

(Start: 63 @7501 has 22 MA's), (72, 7522), (79, 7543), (85, 7555), (128, 7714), (143, 7756), (151, 7789), (207, 7978), (231, 8062),

Gene: LittleTokyo_13 Start: 8714, Stop: 9298, Start Num: 56

Candidate Starts for LittleTokyo_13:

(Start: 56 @8714 has 205 MA's), (Start: 69 @8735 has 1 MA's), (103, 8825), (154, 9023), (182, 9107), (192, 9146), (201, 9182), (207, 9209), (211, 9224), (228, 9281),

Gene: Lizalica_13 Start: 9453, Stop: 10004, Start Num: 56

Candidate Starts for Lizalica_13:

(Start: 56 @9453 has 205 MA's), (150, 9717), (151, 9720), (153, 9732), (211, 9936),

Gene: Llorens_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Llorens_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: London_13 Start: 9449, Stop: 10000, Start Num: 56

Candidate Starts for London_13:

(Start: 56 @9449 has 205 MA's), (150, 9713), (153, 9728), (211, 9932),

Gene: LongHai_16 Start: 9646, Stop: 10287, Start Num: 39

Candidate Starts for LongHai_16:

(25, 9613), (Start: 39 @9646 has 47 MA's), (64, 9679), (Start: 69 @9688 has 1 MA's), (Start: 76 @9706 has 1 MA's), (98, 9772), (111, 9811), (114, 9826), (143, 9931), (149, 9952), (154, 9982), (166, 10021), (182, 10066), (204, 10150), (208, 10171),

Gene: LouisV14_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for LouisV14_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Lucky10_12 Start: 7042, Stop: 7632, Start Num: 66

Candidate Starts for Lucky10_12:

(Start: 66 @7042 has 11 MA's), (Start: 74 @7063 has 1 MA's), (98, 7132), (129, 7261), (149, 7321), (168, 7396), (192, 7474), (208, 7540),

Gene: Luke_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for Luke_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295), (191, 10337), (211, 10418),

Gene: Luna22_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for Luna22_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295), (191, 10337), (211, 10418),

Gene: Lunahalos_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Lunahalos_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: Lunar_14 Start: 8964, Stop: 9545, Start Num: 56

Candidate Starts for Lunar_14:

(Start: 56 @8964 has 205 MA's), (Start: 69 @8985 has 1 MA's), (100, 9072), (114, 9120), (154, 9273), (182, 9357), (191, 9393), (193, 9399), (201, 9432), (217, 9501),

Gene: Lutum_13 Start: 7514, Stop: 8086, Start Num: 63

Candidate Starts for Lutum_13:

(Start: 63 @7514 has 22 MA's), (72, 7535), (79, 7556), (85, 7568), (128, 7727), (143, 7769), (151, 7802), (207, 7991), (231, 8075),

Gene: Lysidious_14 Start: 8679, Stop: 9317, Start Num: 60

Candidate Starts for Lysidious_14:

(Start: 57 @8676 has 4 MA's), (Start: 60 @8679 has 39 MA's), (93, 8769), (97, 8784), (115, 8850), (135, 8937), (154, 9012), (161, 9036), (182, 9084), (197, 9141), (205, 9180), (228, 9264), (233, 9300),

Gene: MEAK_11 Start: 7162, Stop: 7782, Start Num: 67

Candidate Starts for MEAK_11:

(Start: 59 @7150 has 12 MA's), (Start: 65 @7159 has 14 MA's), (Start: 67 @7162 has 29 MA's), (100, 7255), (123, 7342), (141, 7414), (173, 7519), (183, 7534), (205, 7627), (209, 7642), (211, 7648), (222, 7690), (227, 7708),

Gene: MOOREtheMARYer_13 Start: 10071, Stop: 10694, Start Num: 36

Candidate Starts for MOOREtheMARYer_13:

(Start: 36 @10071 has 203 MA's), (53, 10098), (77, 10149), (97, 10206), (111, 10248), (114, 10263), (138, 10359), (144, 10374), (150, 10398), (154, 10419), (166, 10458), (173, 10482), (188, 10530), (195, 10554), (197, 10560), (206, 10602),

Gene: MZKinsey_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for MZKinsey_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: MaGuCo_12 Start: 7863, Stop: 8423, Start Num: 56

Candidate Starts for MaGuCo_12:

(Start: 56 @7863 has 205 MA's), (79, 7908), (145, 8106), (151, 8130), (181, 8226), (188, 8259), (197, 8289), (200, 8298), (229, 8412),

Gene: Mabodamaca_12 Start: 8972, Stop: 9535, Start Num: 56

Candidate Starts for Mabodamaca_12:

(Start: 56 @8972 has 205 MA's), (112, 9089), (130, 9167), (217, 9482),

Gene: MacKat_18 Start: 10521, Stop: 11132, Start Num: 36

Candidate Starts for MacKat_18:

(Start: 36 @10521 has 203 MA's), (Start: 69 @10563 has 1 MA's), (111, 10686), (125, 10740), (138, 10797), (144, 10812), (166, 10896), (168, 10902), (182, 10941), (192, 10980), (204, 11025), (206, 11040), (213, 11064), (230, 11121),

Gene: MacnCheese_18 Start: 10792, Stop: 11403, Start Num: 35

Candidate Starts for MacnCheese_18:

(Start: 35 @10792 has 7 MA's), (Start: 69 @10837 has 1 MA's), (125, 11014), (138, 11071), (144, 11086), (154, 11131), (166, 11170), (168, 11176), (169, 11179), (182, 11215), (185, 11227), (188, 11242), (206, 11314), (213, 11338),

Gene: Maco6_13 Start: 8602, Stop: 9243, Start Num: 39

Candidate Starts for Maco6_13:

(25, 8569), (Start: 39 @8602 has 47 MA's), (64, 8635), (Start: 69 @8644 has 1 MA's), (Start: 76 @8662 has 1 MA's), (98, 8728), (111, 8767), (114, 8782), (143, 8887), (149, 8908), (154, 8938), (166, 8977), (182, 9022), (204, 9106), (208, 9127),

Gene: Mahdia_11 Start: 7651, Stop: 8193, Start Num: 56

Candidate Starts for Mahdia_11:

(Start: 56 @7651 has 205 MA's), (89, 7723), (101, 7762), (133, 7885), (140, 7906), (150, 7942), (171, 7990), (194, 8068), (198, 8080), (223, 8182),

Gene: MakCheese_14 Start: 8246, Stop: 8788, Start Num: 56

Candidate Starts for MakCheese_14:

(34, 8204), (51, 8240), (Start: 56 @8246 has 205 MA's), (133, 8480), (171, 8585), (221, 8771),

Gene: Makima_15 Start: 9530, Stop: 10108, Start Num: 62

Candidate Starts for Makima_15:

(Start: 62 @9530 has 7 MA's),

Gene: Malachai_14 Start: 8682, Stop: 9320, Start Num: 60

Candidate Starts for Malachai_14:

(Start: 57 @8679 has 4 MA's), (Start: 60 @8682 has 39 MA's), (93, 8772), (97, 8787), (115, 8853), (154, 9015), (161, 9039), (182, 9087), (197, 9144), (205, 9183), (228, 9267), (233, 9303),

Gene: MalagasyRose_19 Start: 10934, Stop: 11524, Start Num: 57

Candidate Starts for MalagasyRose_19:

(Start: 57 @10934 has 4 MA's), (Start: 67 @10949 has 29 MA's), (Start: 78 @10982 has 1 MA's), (94, 11027), (154, 11249), (177, 11321), (189, 11366), (194, 11384), (210, 11450), (211, 11453),

Gene: Malibo_12 Start: 8220, Stop: 8765, Start Num: 56

Candidate Starts for Malibo_12:

(31, 8172), (Start: 56 @8220 has 205 MA's), (79, 8265), (96, 8316), (140, 8475), (151, 8514), (169, 8553), (171, 8559), (194, 8637), (198, 8649),

Gene: Maliketh_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Maliketh_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Malisha_13 Start: 8564, Stop: 9133, Start Num: 63

Candidate Starts for Malisha_13:

(Start: 63 @8564 has 22 MA's), (72, 8585), (79, 8606), (85, 8618), (128, 8777), (143, 8819), (151, 8852), (186, 8960), (207, 9041),

Gene: Malthus_19 Start: 11636, Stop: 12247, Start Num: 39

Candidate Starts for Malthus_19:

(Start: 39 @11636 has 47 MA's), (Start: 78 @11702 has 1 MA's), (80, 11708), (97, 11756), (114, 11813), (116, 11819), (122, 11840), (125, 11852), (138, 11909), (144, 11924), (166, 12008), (168, 12014), (182, 12053), (185, 12065), (188, 12080), (206, 12152), (213, 12176), (220, 12206),

Gene: Marcoliusprime_14 Start: 8532, Stop: 9146, Start Num: 32

Candidate Starts for Marcoliusprime_14:

(Start: 32 @8532 has 8 MA's), (64, 8571), (Start: 69 @8580 has 1 MA's), (138, 8814), (144, 8829), (149, 8844), (154, 8874), (166, 8913), (168, 8919), (181, 8955), (185, 8970), (192, 8997), (204, 9042), (206, 9057), (213, 9081),

Gene: MarkPhew_18 Start: 9393, Stop: 10004, Start Num: 36

Candidate Starts for MarkPhew_18:

(Start: 36 @9393 has 203 MA's), (Start: 69 @9435 has 1 MA's), (114, 9573), (138, 9669), (144, 9684), (154, 9729), (166, 9768), (168, 9774), (206, 9912), (213, 9936), (220, 9966), (227, 9987),

Gene: Marmie_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Marmie_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Marshawn_19 Start: 10081, Stop: 10695, Start Num: 39

Candidate Starts for Marshawn_19:

(Start: 39 @10081 has 47 MA's), (Start: 56 @10105 has 205 MA's), (Start: 69 @10126 has 1 MA's), (111, 10249), (116, 10270), (138, 10360), (144, 10375), (166, 10459), (168, 10465), (182, 10504), (185, 10516), (192, 10543), (204, 10588), (206, 10603), (213, 10627),

Gene: Maureen_12 Start: 7927, Stop: 8487, Start Num: 56

Candidate Starts for Maureen_12:

(Start: 56 @7927 has 205 MA's), (145, 8170), (151, 8194), (181, 8290), (188, 8323), (197, 8353), (200, 8362), (229, 8476),

Gene: McMater_18 Start: 9573, Stop: 10184, Start Num: 39

Candidate Starts for McMater_18:

(Start: 39 @9573 has 47 MA's), (Start: 69 @9615 has 1 MA's), (114, 9753), (125, 9792), (138, 9849), (144, 9864), (154, 9909), (166, 9948), (168, 9954), (169, 9957), (185, 10005), (188, 10020), (204, 10077),

Gene: Mdavu_14 Start: 9765, Stop: 10376, Start Num: 36

Candidate Starts for Mdavu_14:

(Start: 36 @9765 has 203 MA's), (Start: 56 @9786 has 205 MA's), (Start: 69 @9807 has 1 MA's), (111, 9930), (114, 9945), (125, 9984), (138, 10041), (144, 10056), (154, 10101), (166, 10140), (168, 10146), (182, 10185), (185, 10197), (204, 10269), (206, 10284), (213, 10308), (220, 10338),

Gene: MeaningOfLife_18 Start: 10477, Stop: 11091, Start Num: 36

Candidate Starts for MeaningOfLife_18:

(Start: 36 @10477 has 203 MA's), (Start: 69 @10522 has 1 MA's), (111, 10645), (125, 10699), (138, 10756), (144, 10771), (166, 10855), (168, 10861), (182, 10900), (185, 10912), (192, 10939), (204, 10984), (206, 10999), (213, 11023), (230, 11080),

Gene: Megsy_18 Start: 10471, Stop: 11085, Start Num: 36

Candidate Starts for Megsy_18:

(Start: 36 @10471 has 203 MA's), (Start: 69 @10516 has 1 MA's), (111, 10639), (125, 10693), (138, 10750), (144, 10765), (166, 10849), (168, 10855), (182, 10894), (185, 10906), (192, 10933), (204, 10978), (206, 10993), (213, 11017), (230, 11074),

Gene: Melba_14 Start: 8679, Stop: 9317, Start Num: 60

Candidate Starts for Melba_14:

(Start: 57 @8676 has 4 MA's), (Start: 60 @8679 has 39 MA's), (93, 8769), (97, 8784), (135, 8937), (154, 9012), (161, 9036), (182, 9084), (197, 9141), (205, 9180), (228, 9264), (233, 9300),

Gene: Mellie_13 Start: 8419, Stop: 9057, Start Num: 60

Candidate Starts for Mellie_13:

(Start: 57 @8416 has 4 MA's), (Start: 60 @8419 has 39 MA's), (93, 8509), (97, 8524), (115, 8590), (135, 8677), (154, 8752), (161, 8776), (182, 8824), (197, 8881), (205, 8920), (228, 9004), (233, 9040),

Gene: Melons_14 Start: 8964, Stop: 9545, Start Num: 56

Candidate Starts for Melons_14:

(Start: 56 @8964 has 205 MA's), (Start: 69 @8985 has 1 MA's), (100, 9072), (114, 9120), (154, 9273), (182, 9357), (191, 9393), (193, 9399), (201, 9432), (217, 9501),

Gene: Mercurio_14 Start: 9826, Stop: 10446, Start Num: 36

Candidate Starts for Mercurio_14:

(Start: 36 @9826 has 203 MA's), (77, 9901), (97, 9958), (114, 10015), (138, 10111), (144, 10126), (149, 10141), (154, 10171), (166, 10210), (173, 10234), (182, 10255), (188, 10282), (195, 10306), (197, 10312), (206, 10354), (220, 10408),

Gene: Milly_14 Start: 8532, Stop: 9146, Start Num: 32

Candidate Starts for Milly_14:

(Start: 32 @8532 has 8 MA's), (64, 8571), (Start: 69 @8580 has 1 MA's), (138, 8814), (144, 8829), (149, 8844), (154, 8874), (166, 8913), (168, 8919), (181, 8955), (185, 8970), (192, 8997), (204, 9042), (206, 9057), (213, 9081),

Gene: MiniMommy_11 Start: 7693, Stop: 8247, Start Num: 56

Candidate Starts for MiniMommy_11:

(Start: 56 @7693 has 205 MA's), (153, 7972), (165, 8008),

Gene: MintFen_14 Start: 8679, Stop: 9317, Start Num: 60

Candidate Starts for MintFen_14:

(Start: 57 @8676 has 4 MA's), (Start: 60 @8679 has 39 MA's), (93, 8769), (97, 8784), (135, 8937), (154, 9012), (161, 9036), (182, 9084), (197, 9141), (205, 9180), (228, 9264), (233, 9300),

Gene: Mireles_14 Start: 7926, Stop: 8504, Start Num: 62

Candidate Starts for Mireles_14:

(Start: 62 @7926 has 7 MA's), (73, 7953), (145, 8193), (189, 8349), (193, 8361),

Gene: Miryou_16 Start: 10508, Stop: 11119, Start Num: 36

Candidate Starts for Miryou_16:

(Start: 36 @10508 has 203 MA's), (Start: 69 @10553 has 1 MA's), (125, 10730), (138, 10787), (144, 10802), (149, 10817), (166, 10886), (168, 10892), (182, 10931), (185, 10943), (188, 10958), (200, 10997), (204, 11015), (206, 11030), (213, 11054), (220, 11084),

Gene: MissDaisy_19 Start: 11490, Stop: 12101, Start Num: 39

Candidate Starts for MissDaisy_19:

(Start: 39 @11490 has 47 MA's), (Start: 78 @11556 has 1 MA's), (80, 11562), (85, 11571), (97, 11610), (114, 11667), (116, 11673), (122, 11694), (125, 11706), (138, 11763), (144, 11778), (166, 11862), (168, 11868), (181, 11904), (182, 11907), (185, 11919), (188, 11934), (204, 11991), (206, 12006), (213, 12030), (220, 12060),

Gene: MissRona_16 Start: 9023, Stop: 9661, Start Num: 60

Candidate Starts for MissRona_16:

(Start: 57 @9020 has 4 MA's), (Start: 60 @9023 has 39 MA's), (93, 9113), (97, 9128), (115, 9194), (124, 9230), (135, 9281), (154, 9356), (161, 9380), (182, 9428), (197, 9485), (205, 9524), (228, 9608), (233, 9644),

Gene: MissSwiss_13 Start: 9452, Stop: 10000, Start Num: 56

Candidate Starts for MissSwiss_13:

(Start: 56 @9452 has 205 MA's), (153, 9731), (171, 9788), (197, 9875), (207, 9920),

Gene: Mitti_19 Start: 11640, Stop: 12251, Start Num: 39

Candidate Starts for Mitti_19:

(Start: 39 @11640 has 47 MA's), (Start: 78 @11706 has 1 MA's), (80, 11712), (97, 11760), (114, 11817), (116, 11823), (122, 11844), (125, 11856), (138, 11913), (144, 11928), (166, 12012), (168, 12018), (182, 12057), (185, 12069), (188, 12084), (204, 12141), (206, 12156), (213, 12180), (220, 12210),

Gene: Morkie_12 Start: 7004, Stop: 7594, Start Num: 66

Candidate Starts for Morkie_12:

(Start: 66 @7004 has 11 MA's), (Start: 74 @7025 has 1 MA's), (98, 7094), (129, 7223), (149, 7283), (168, 7358), (192, 7436), (197, 7454), (208, 7502),

Gene: Morrissey_12 Start: 8032, Stop: 8586, Start Num: 48

Candidate Starts for Morrissey_12:

(Start: 48 @8032 has 2 MA's), (Start: 56 @8044 has 205 MA's), (83, 8098), (112, 8188), (133, 8278), (140, 8299), (170, 8380), (171, 8383),

Gene: MortyNRick_13 Start: 7836, Stop: 8429, Start Num: 66

Candidate Starts for MortyNRick_13:

(Start: 66 @7836 has 11 MA's), (Start: 74 @7857 has 1 MA's), (83, 7881), (127, 8049), (147, 8109), (149, 8115), (155, 8151), (157, 8154), (168, 8190),

Gene: Moss_13 Start: 8980, Stop: 9540, Start Num: 56

Candidate Starts for Moss_13:

(Start: 56 @8980 has 205 MA's), (145, 9223), (153, 9259), (172, 9322), (207, 9448), (222, 9505),

Gene: Mowgli_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Mowgli_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Moyashi_11 Start: 7180, Stop: 7824, Start Num: 67

Candidate Starts for Moyashi_11:

(Start: 59 @7168 has 12 MA's), (Start: 65 @7177 has 14 MA's), (Start: 67 @7180 has 29 MA's), (100, 7273), (123, 7360), (130, 7396), (173, 7537), (183, 7552), (197, 7606), (205, 7645), (209, 7660), (211, 7666), (222, 7708), (227, 7726),

Gene: MrAK_11 Start: 7192, Stop: 7836, Start Num: 67

Candidate Starts for MrAK_11:

(Start: 59 @7180 has 12 MA's), (Start: 65 @7189 has 14 MA's), (Start: 67 @7192 has 29 MA's), (100, 7285), (123, 7372), (130, 7408), (182, 7561), (183, 7564), (197, 7618), (205, 7657), (209, 7672), (211, 7678), (222, 7720), (227, 7738),

Gene: Muddy_15 Start: 9552, Stop: 10193, Start Num: 39

Candidate Starts for Muddy_15:

(25, 9519), (Start: 39 @9552 has 47 MA's), (64, 9585), (Start: 69 @9594 has 1 MA's), (Start: 76 @9612 has 1 MA's), (98, 9678), (111, 9717), (114, 9732), (143, 9837), (149, 9858), (154, 9888), (166, 9927), (182, 9972), (204, 10056), (208, 10077),

Gene: Mudpuppy_13 Start: 9467, Stop: 10018, Start Num: 56

Candidate Starts for Mudpuppy_13:

(Start: 56 @9467 has 205 MA's), (150, 9731), (151, 9734), (153, 9746), (211, 9950),

Gene: Mufasa_14 Start: 8522, Stop: 9145, Start Num: 30

Candidate Starts for Mufasa_14:

(17, 8456), (Start: 30 @8522 has 3 MA's), (64, 8570), (114, 8717), (138, 8813), (144, 8828), (149, 8843), (154, 8873), (166, 8912), (168, 8918), (169, 8921), (182, 8957), (185, 8969), (188, 8984), (204, 9041), (206, 9056), (213, 9080),

Gene: Mulch_16 Start: 9700, Stop: 10245, Start Num: 56

Candidate Starts for Mulch_16:

(Start: 56 @9700 has 205 MA's), (Start: 69 @9721 has 1 MA's), (221, 10225),

Gene: Murp_14 Start: 8672, Stop: 9310, Start Num: 60

Candidate Starts for Murp_14:

(Start: 57 @8669 has 4 MA's), (Start: 60 @8672 has 39 MA's), (93, 8762), (97, 8777), (115, 8843), (124, 8879), (135, 8930), (154, 9005), (161, 9029), (197, 9134), (205, 9173), (228, 9257), (233, 9293),

Gene: Murucutumbu_18 Start: 10456, Stop: 11067, Start Num: 37

Candidate Starts for Murucutumbu_18:

(Start: 37 @10456 has 5 MA's), (Start: 69 @10498 has 1 MA's), (111, 10621), (125, 10675), (138, 10732), (144, 10747), (154, 10792), (166, 10831), (168, 10837), (182, 10876), (185, 10888), (192, 10915), (204, 10960), (206, 10975), (213, 10999),

Gene: Mynx_18 Start: 10524, Stop: 11138, Start Num: 36

Candidate Starts for Mynx_18:

(Start: 36 @10524 has 203 MA's), (Start: 69 @10569 has 1 MA's), (111, 10692), (125, 10746), (138, 10803), (144, 10818), (166, 10902), (168, 10908), (182, 10947), (185, 10959), (192, 10986), (204, 11031), (206, 11046), (213, 11070), (230, 11127),

Gene: Mysterium_13 Start: 8981, Stop: 9541, Start Num: 56

Candidate Starts for Mysterium_13:

(Start: 56 @8981 has 205 MA's), (145, 9224), (153, 9260), (172, 9323), (207, 9449), (222, 9506),

Gene: Nadeem_16 Start: 9700, Stop: 10245, Start Num: 56
Candidate Starts for Nadeem_16:
(Start: 56 @9700 has 205 MA's), (Start: 69 @9721 has 1 MA's), (221, 10225),

Gene: NancyRae_16 Start: 9700, Stop: 10245, Start Num: 56
Candidate Starts for NancyRae_16:
(Start: 56 @9700 has 205 MA's), (Start: 69 @9721 has 1 MA's), (221, 10225),

Gene: Nebkiss_10 Start: 8074, Stop: 8661, Start Num: 63
Candidate Starts for Nebkiss_10:
(Start: 63 @8074 has 22 MA's), (94, 8155), (108, 8194), (117, 8236), (129, 8290), (141, 8326), (168, 8425), (179, 8455), (201, 8545), (211, 8587), (219, 8620),

Gene: Neighly_16 Start: 10367, Stop: 10978, Start Num: 36
Candidate Starts for Neighly_16:
(Start: 36 @10367 has 203 MA's), (Start: 69 @10412 has 1 MA's), (138, 10646), (144, 10661), (149, 10676), (166, 10745), (168, 10751), (182, 10790), (185, 10802), (188, 10817), (204, 10874), (206, 10889), (213, 10913), (220, 10943),

Gene: Neoh_13 Start: 9855, Stop: 10469, Start Num: 36
Candidate Starts for Neoh_13:
(Start: 36 @9855 has 203 MA's), (Start: 69 @9900 has 1 MA's), (77, 9924), (106, 10002), (111, 10023), (114, 10038), (138, 10134), (144, 10149), (150, 10173), (154, 10194), (166, 10233), (173, 10257), (177, 10266), (182, 10278), (197, 10335), (204, 10362), (206, 10377), (213, 10401),

Gene: Nergal_17 Start: 11411, Stop: 12001, Start Num: 57
Candidate Starts for Nergal_17:
(Start: 57 @11411 has 4 MA's), (Start: 67 @11426 has 29 MA's), (72, 11441), (Start: 78 @11459 has 1 MA's), (106, 11537), (126, 11627), (143, 11675), (177, 11798), (189, 11843), (210, 11927), (211, 11930),

Gene: Nesbitt_12 Start: 8240, Stop: 8812, Start Num: 56
Candidate Starts for Nesbitt_12:
(21, 8156), (Start: 56 @8240 has 205 MA's), (Start: 76 @8273 has 1 MA's), (86, 8300), (91, 8309), (99, 8336), (112, 8363), (144, 8483), (151, 8510), (153, 8522), (158, 8540), (178, 8597), (200, 8672),

Gene: Neuville_14 Start: 8154, Stop: 8732, Start Num: 62
Candidate Starts for Neuville_14:
(Start: 62 @8154 has 7 MA's), (149, 8433), (177, 8535), (193, 8589), (228, 8721),

Gene: Nibb_17 Start: 9545, Stop: 10156, Start Num: 36
Candidate Starts for Nibb_17:
(Start: 36 @9545 has 203 MA's), (Start: 69 @9587 has 1 MA's), (114, 9725), (125, 9764), (138, 9821), (144, 9836), (154, 9881), (166, 9920), (168, 9926), (185, 9977), (206, 10064), (213, 10088), (227, 10139),

Gene: Niblet_13 Start: 8750, Stop: 9334, Start Num: 56
Candidate Starts for Niblet_13:
(Start: 56 @8750 has 205 MA's), (154, 9059), (193, 9185), (201, 9218), (217, 9287), (221, 9299),

Gene: Nikao_14 Start: 9777, Stop: 10388, Start Num: 36
Candidate Starts for Nikao_14:

(Start: 36 @9777 has 203 MA's), (Start: 56 @9798 has 205 MA's), (Start: 69 @9819 has 1 MA's), (111, 9942), (114, 9957), (125, 9996), (138, 10053), (144, 10068), (154, 10113), (166, 10152), (168, 10158), (182, 10197), (185, 10209), (204, 10281), (206, 10296), (213, 10320), (220, 10350),

Gene: Niklas_18 Start: 9573, Stop: 10184, Start Num: 39

Candidate Starts for Niklas_18:

(Start: 39 @9573 has 47 MA's), (Start: 69 @9615 has 1 MA's), (114, 9753), (125, 9792), (138, 9849), (144, 9864), (154, 9909), (166, 9948), (168, 9954), (169, 9957), (185, 10005), (188, 10020), (204, 10077),

Gene: Niobe_13 Start: 9449, Stop: 10000, Start Num: 56

Candidate Starts for Niobe_13:

(Start: 56 @9449 has 205 MA's), (150, 9713), (153, 9728), (211, 9932),

Gene: Nitro_13 Start: 9472, Stop: 10023, Start Num: 56

Candidate Starts for Nitro_13:

(Start: 56 @9472 has 205 MA's), (150, 9736), (153, 9751), (211, 9955),

Gene: NoShow_13 Start: 8694, Stop: 9302, Start Num: 39

Candidate Starts for NoShow_13:

(Start: 39 @8694 has 47 MA's), (79, 8763), (126, 8928), (149, 8997), (160, 9048), (166, 9066), (167, 9069), (173, 9090), (189, 9141), (204, 9195),

Gene: November_16 Start: 10373, Stop: 10987, Start Num: 39

Candidate Starts for November_16:

(Start: 39 @10373 has 47 MA's), (Start: 56 @10397 has 205 MA's), (Start: 69 @10418 has 1 MA's), (116, 10562), (125, 10595), (138, 10652), (144, 10667), (166, 10751), (168, 10757), (182, 10796), (185, 10808), (192, 10835), (206, 10895), (213, 10919), (220, 10949),

Gene: NovoPizza_13 Start: 10041, Stop: 10583, Start Num: 56

Candidate Starts for NovoPizza_13:

(Start: 56 @10041 has 205 MA's), (Start: 69 @10062 has 1 MA's), (81, 10092), (101, 10152), (114, 10188), (144, 10302), (150, 10326), (171, 10374), (191, 10440), (192, 10443), (198, 10464), (211, 10521),

Gene: Nutello_14 Start: 9777, Stop: 10388, Start Num: 36

Candidate Starts for Nutello_14:

(Start: 36 @9777 has 203 MA's), (Start: 56 @9798 has 205 MA's), (Start: 69 @9819 has 1 MA's), (111, 9942), (114, 9957), (125, 9996), (138, 10053), (144, 10068), (154, 10113), (166, 10152), (168, 10158), (182, 10197), (185, 10209), (204, 10281), (206, 10296), (213, 10320), (220, 10350),

Gene: OBUpride_15 Start: 9932, Stop: 10471, Start Num: 56

Candidate Starts for OBUpride_15:

(Start: 56 @9932 has 205 MA's), (Start: 69 @9953 has 1 MA's), (70, 9956), (71, 9959), (79, 9977), (101, 10043), (114, 10079), (133, 10160), (144, 10193), (150, 10217), (171, 10265), (180, 10289), (191, 10331), (211, 10412),

Gene: ODay_13 Start: 7563, Stop: 8147, Start Num: 66

Candidate Starts for ODay_13:

(Start: 66 @7563 has 11 MA's), (Start: 74 @7584 has 1 MA's), (83, 7608), (127, 7776), (129, 7782), (149, 7842), (155, 7878), (157, 7881), (168, 7917), (226, 8124),

Gene: ObiToo_13 Start: 9650, Stop: 10207, Start Num: 56

Candidate Starts for ObiToo_13:

(Start: 56 @9650 has 205 MA's), (150, 9914), (153, 9929),

Gene: Obliviate_13 Start: 8445, Stop: 9086, Start Num: 57

Candidate Starts for Obliviate_13:

(Start: 57 @8445 has 4 MA's), (Start: 60 @8448 has 39 MA's), (93, 8538), (97, 8553), (115, 8619), (135, 8706), (154, 8781), (161, 8805), (182, 8853), (197, 8910), (205, 8949), (228, 9033), (233, 9069),

Gene: OctaviousRex_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for OctaviousRex_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: OkiRoe_16 Start: 10530, Stop: 11141, Start Num: 36

Candidate Starts for OkiRoe_16:

(Start: 36 @10530 has 203 MA's), (Start: 69 @10575 has 1 MA's), (125, 10752), (138, 10809), (144, 10824), (149, 10839), (166, 10908), (168, 10914), (182, 10953), (185, 10965), (188, 10980), (200, 11019), (204, 11037), (206, 11052), (213, 11076), (220, 11106),

Gene: Olga_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Olga_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Olliecat_12 Start: 8550, Stop: 9137, Start Num: 56

Candidate Starts for Olliecat_12:

(Start: 56 @8550 has 205 MA's), (71, 8577), (111, 8691), (166, 8898), (177, 8931), (189, 8973), (190, 8976), (193, 8985),

Gene: OmniCritical_19 Start: 11627, Stop: 12238, Start Num: 39

Candidate Starts for OmniCritical_19:

(Start: 39 @11627 has 47 MA's), (Start: 78 @11693 has 1 MA's), (80, 11699), (97, 11747), (114, 11804), (116, 11810), (122, 11831), (125, 11843), (138, 11900), (144, 11915), (166, 11999), (168, 12005), (182, 12044), (185, 12056), (188, 12071), (204, 12128), (206, 12143), (213, 12167), (220, 12197),

Gene: Omnicron_16 Start: 9598, Stop: 10209, Start Num: 36

Candidate Starts for Omnicron_16:

(Start: 36 @9598 has 203 MA's), (Start: 69 @9643 has 1 MA's), (97, 9724), (125, 9820), (138, 9877), (144, 9892), (149, 9907), (166, 9976), (168, 9982), (182, 10021), (188, 10048), (204, 10105), (206, 10120), (213, 10144), (220, 10174), (229, 10195),

Gene: Oppalora_12 Start: 8378, Stop: 8959, Start Num: 56

Candidate Starts for Oppalora_12:

(Start: 56 @8378 has 205 MA's), (Start: 69 @8399 has 1 MA's), (154, 8687), (182, 8771), (192, 8810), (193, 8813), (201, 8846), (217, 8915), (228, 8945),

Gene: Orcanus_13 Start: 8754, Stop: 9338, Start Num: 56

Candidate Starts for Orcanus_13:

(Start: 56 @8754 has 205 MA's), (201, 9222), (217, 9291), (221, 9303),

Gene: Origami_12 Start: 7693, Stop: 8247, Start Num: 56

Candidate Starts for Origami_12:

(Start: 56 @7693 has 205 MA's), (150, 7957), (153, 7972), (211, 8173), (229, 8236),

Gene: Oscar_17 Start: 9506, Stop: 10117, Start Num: 36

Candidate Starts for Oscar_17:

(Start: 36 @9506 has 203 MA's), (Start: 69 @9548 has 1 MA's), (138, 9782), (144, 9797), (149, 9812), (154, 9842), (166, 9881), (168, 9887), (182, 9926), (185, 9938), (204, 10010), (206, 10025), (213, 10049), (220, 10079), (227, 10100),

Gene: OtsoOtso_13 Start: 8803, Stop: 9384, Start Num: 56

Candidate Starts for OtsoOtso_13:

(Start: 56 @8803 has 205 MA's), (Start: 69 @8824 has 1 MA's), (100, 8911), (114, 8959), (154, 9112), (182, 9196), (191, 9232), (193, 9238), (201, 9271), (217, 9340),

Gene: Ouroboros_11 Start: 7164, Stop: 7787, Start Num: 67

Candidate Starts for Ouroboros_11:

(54, 7146), (Start: 58 @7152 has 3 MA's), (Start: 65 @7161 has 14 MA's), (Start: 67 @7164 has 29 MA's), (109, 7287), (111, 7296), (123, 7344), (182, 7533), (183, 7536), (209, 7644), (211, 7650), (222, 7692), (227, 7710),

Gene: P1.1_11 Start: 7152, Stop: 7793, Start Num: 59

Candidate Starts for P1.1_11:

(Start: 59 @7152 has 12 MA's), (Start: 65 @7161 has 14 MA's), (Start: 67 @7164 has 29 MA's), (100, 7257), (123, 7344), (130, 7380), (181, 7530), (182, 7533), (183, 7536), (197, 7590), (205, 7629), (209, 7644), (211, 7650), (222, 7692), (227, 7710),

Gene: P100.1_11 Start: 7148, Stop: 7801, Start Num: 58

Candidate Starts for P100.1_11:

(54, 7142), (Start: 58 @7148 has 3 MA's), (Start: 65 @7157 has 14 MA's), (Start: 67 @7160 has 29 MA's), (100, 7253), (123, 7340), (130, 7376), (173, 7517), (183, 7532), (197, 7586), (205, 7625), (209, 7640), (211, 7646), (222, 7688), (227, 7706),

Gene: P100A_11 Start: 7160, Stop: 7795, Start Num: 58

Candidate Starts for P100A_11:

(54, 7154), (Start: 58 @7160 has 3 MA's), (Start: 65 @7169 has 14 MA's), (Start: 67 @7172 has 29 MA's), (100, 7265), (111, 7304), (123, 7352), (130, 7388), (183, 7544), (185, 7553), (209, 7652), (211, 7658), (222, 7700), (227, 7718),

Gene: P100D_11 Start: 7145, Stop: 7798, Start Num: 59

Candidate Starts for P100D_11:

(Start: 59 @7145 has 12 MA's), (Start: 65 @7154 has 14 MA's), (Start: 67 @7157 has 29 MA's), (100, 7250), (123, 7337), (173, 7514), (181, 7523), (182, 7526), (183, 7529), (197, 7583), (205, 7622), (209, 7637), (211, 7643), (222, 7685), (227, 7703),

Gene: P101A_11 Start: 7152, Stop: 7808, Start Num: 59

Candidate Starts for P101A_11:

(Start: 59 @7152 has 12 MA's), (Start: 65 @7161 has 14 MA's), (Start: 67 @7164 has 29 MA's), (100, 7257), (123, 7344), (130, 7380), (173, 7521), (183, 7536), (197, 7590), (205, 7629), (209, 7644), (211, 7650), (222, 7692), (227, 7710),

Gene: P104A_11 Start: 7149, Stop: 7781, Start Num: 59

Candidate Starts for P104A_11:

(Start: 59 @7149 has 12 MA's), (Start: 65 @7158 has 14 MA's), (Start: 67 @7161 has 29 MA's), (100, 7254), (123, 7341), (173, 7518), (183, 7533), (197, 7587), (205, 7626), (209, 7641), (211, 7647), (222, 7689), (227, 7707),

Gene: P104B_11 Start: 7169, Stop: 7798, Start Num: 67

Candidate Starts for P104B_11:

(Start: 40 @7121 has 1 MA's), (41, 7127), (43, 7130), (50, 7145), (55, 7151), (Start: 59 @7157 has 12 MA's), (Start: 65 @7166 has 14 MA's), (Start: 67 @7169 has 29 MA's), (100, 7262), (105, 7283), (123, 7349), (182, 7538), (183, 7541), (197, 7595), (205, 7634), (209, 7649), (211, 7655), (222, 7697), (227, 7715),

Gene: P105_11 Start: 7140, Stop: 7781, Start Num: 59

Candidate Starts for P105_11:

(Start: 59 @7140 has 12 MA's), (Start: 65 @7149 has 14 MA's), (Start: 67 @7152 has 29 MA's), (100, 7245), (123, 7332), (130, 7368), (182, 7521), (183, 7524), (205, 7617), (209, 7632), (211, 7638), (222, 7680), (227, 7698),

Gene: P106A_11 Start: 7168, Stop: 7824, Start Num: 59

Candidate Starts for P106A_11:

(Start: 59 @7168 has 12 MA's), (Start: 65 @7177 has 14 MA's), (Start: 67 @7180 has 29 MA's), (100, 7273), (123, 7360), (130, 7396), (173, 7537), (182, 7549), (183, 7552), (197, 7606), (205, 7645), (209, 7660), (211, 7666), (222, 7708), (227, 7726),

Gene: P106C_11 Start: 7168, Stop: 7824, Start Num: 59

Candidate Starts for P106C_11:

(Start: 59 @7168 has 12 MA's), (Start: 65 @7177 has 14 MA's), (Start: 67 @7180 has 29 MA's), (100, 7273), (123, 7360), (130, 7396), (173, 7537), (182, 7549), (183, 7552), (197, 7606), (205, 7645), (209, 7660), (211, 7666), (222, 7708), (227, 7726),

Gene: P106I_11 Start: 7168, Stop: 7824, Start Num: 59

Candidate Starts for P106I_11:

(Start: 59 @7168 has 12 MA's), (Start: 65 @7177 has 14 MA's), (Start: 67 @7180 has 29 MA's), (100, 7273), (123, 7360), (130, 7396), (173, 7537), (182, 7549), (183, 7552), (197, 7606), (205, 7645), (209, 7660), (211, 7666), (222, 7708), (227, 7726),

Gene: P106L_11 Start: 7168, Stop: 7824, Start Num: 59

Candidate Starts for P106L_11:

(Start: 59 @7168 has 12 MA's), (Start: 65 @7177 has 14 MA's), (Start: 67 @7180 has 29 MA's), (100, 7273), (123, 7360), (130, 7396), (173, 7537), (182, 7549), (183, 7552), (197, 7606), (205, 7645), (209, 7660), (211, 7666), (222, 7708), (227, 7726),

Gene: P106M_11 Start: 7168, Stop: 7824, Start Num: 59

Candidate Starts for P106M_11:

(Start: 59 @7168 has 12 MA's), (Start: 65 @7177 has 14 MA's), (Start: 67 @7180 has 29 MA's), (100, 7273), (123, 7360), (130, 7396), (173, 7537), (182, 7549), (183, 7552), (197, 7606), (205, 7645), (209, 7660), (211, 7666), (222, 7708), (227, 7726),

Gene: P107A_11 Start: 7168, Stop: 7800, Start Num: 67

Candidate Starts for P107A_11:

(Start: 58 @7156 has 3 MA's), (Start: 65 @7165 has 14 MA's), (Start: 67 @7168 has 29 MA's), (123, 7348), (130, 7384), (173, 7525), (181, 7534), (182, 7537), (183, 7540), (185, 7549), (205, 7633), (209, 7648), (211, 7654), (222, 7696), (227, 7714),

Gene: P107C_11 Start: 7162, Stop: 7785, Start Num: 67

Candidate Starts for P107C_11:

(Start: 59 @7150 has 12 MA's), (Start: 65 @7159 has 14 MA's), (Start: 67 @7162 has 29 MA's), (100, 7255), (123, 7342), (182, 7531), (183, 7534), (185, 7543), (205, 7627), (209, 7642), (211, 7648), (222, 7690), (227, 7708),

Gene: P108C_11 Start: 7167, Stop: 7793, Start Num: 67

Candidate Starts for P108C_11:

(Start: 59 @7155 has 12 MA's), (Start: 65 @7164 has 14 MA's), (Start: 67 @7167 has 29 MA's), (100, 7260), (123, 7347), (173, 7524), (183, 7539), (205, 7632), (209, 7647), (211, 7653), (222, 7695), (227, 7713),

Gene: P14.4_11 Start: 7116, Stop: 7793, Start Num: 40

Candidate Starts for P14.4_11:

(Start: 40 @7116 has 1 MA's), (41, 7122), (43, 7125), (50, 7140), (55, 7146), (Start: 59 @7152 has 12 MA's), (Start: 65 @7161 has 14 MA's), (Start: 67 @7164 has 29 MA's), (100, 7257), (105, 7278), (123, 7344), (130, 7380), (173, 7521), (181, 7530), (182, 7533), (183, 7536), (205, 7629), (209, 7644), (211, 7650), (222, 7692), (227, 7710),

Gene: P9.1_11 Start: 7144, Stop: 7788, Start Num: 59

Candidate Starts for P9.1_11:

(Start: 59 @7144 has 12 MA's), (Start: 65 @7153 has 14 MA's), (Start: 67 @7156 has 29 MA's), (100, 7249), (123, 7336), (130, 7372), (173, 7513), (183, 7528), (205, 7621), (209, 7636), (211, 7642), (222, 7684), (227, 7702), (232, 7732),

Gene: PA6_11 Start: 7172, Stop: 7813, Start Num: 67

Candidate Starts for PA6_11:

(Start: 40 @7124 has 1 MA's), (41, 7130), (43, 7133), (50, 7148), (55, 7154), (Start: 59 @7160 has 12 MA's), (Start: 65 @7169 has 14 MA's), (Start: 67 @7172 has 29 MA's), (100, 7265), (123, 7352), (130, 7388), (182, 7541), (183, 7544), (197, 7598), (205, 7637), (209, 7652), (211, 7658), (222, 7700), (227, 7718),

Gene: PAD20_11 Start: 7164, Stop: 7793, Start Num: 67

Candidate Starts for PAD20_11:

(Start: 59 @7152 has 12 MA's), (Start: 65 @7161 has 14 MA's), (Start: 67 @7164 has 29 MA's), (100, 7257), (123, 7344), (182, 7533), (183, 7536), (185, 7545), (197, 7590), (205, 7629), (209, 7644), (211, 7650), (222, 7692), (227, 7710),

Gene: PAS50_11 Start: 7161, Stop: 7799, Start Num: 67

Candidate Starts for PAS50_11:

(Start: 59 @7149 has 12 MA's), (Start: 65 @7158 has 14 MA's), (Start: 67 @7161 has 29 MA's), (100, 7254), (109, 7284), (123, 7341), (130, 7377), (173, 7518), (182, 7530), (183, 7533), (197, 7587), (205, 7626), (209, 7641), (211, 7647), (222, 7689), (227, 7707),

Gene: PCoral7_14 Start: 8656, Stop: 9306, Start Num: 60

Candidate Starts for PCoral7_14:

(Start: 42 @8626 has 1 MA's), (Start: 57 @8653 has 4 MA's), (Start: 60 @8656 has 39 MA's), (93, 8746), (97, 8761), (124, 8863), (134, 8911), (154, 8989), (161, 9013), (173, 9043), (182, 9061), (205, 9157), (228, 9241),

Gene: PHL010M04_11 Start: 7155, Stop: 7787, Start Num: 67

Candidate Starts for PHL010M04_11:

(Start: 58 @7143 has 3 MA's), (Start: 65 @7152 has 14 MA's), (Start: 67 @7155 has 29 MA's), (123, 7335), (130, 7371), (182, 7524), (183, 7527), (205, 7620), (222, 7683), (227, 7701),

Gene: PHL037M02_11 Start: 7161, Stop: 7802, Start Num: 67

Candidate Starts for PHL037M02_11:

(Start: 59 @7149 has 12 MA's), (Start: 65 @7158 has 14 MA's), (Start: 67 @7161 has 29 MA's), (100, 7254), (123, 7341), (130, 7377), (182, 7530), (183, 7533), (197, 7587), (205, 7626), (209, 7641), (211, 7647), (222, 7689), (227, 7707),

Gene: PHL060L00_11 Start: 7151, Stop: 7804, Start Num: 67

Candidate Starts for PHL060L00_11:

(Start: 59 @7139 has 12 MA's), (Start: 65 @7148 has 14 MA's), (Start: 67 @7151 has 29 MA's), (100, 7244), (123, 7331), (130, 7367), (182, 7520), (183, 7523), (185, 7532), (205, 7616), (209, 7631), (211, 7637), (222, 7679), (227, 7697),

Gene: PHL067M10_11 Start: 7157, Stop: 7771, Start Num: 67

Candidate Starts for PHL067M10_11:

(Start: 59 @7145 has 12 MA's), (Start: 65 @7154 has 14 MA's), (Start: 67 @7157 has 29 MA's), (100, 7250), (111, 7289), (123, 7337), (173, 7514), (181, 7523), (182, 7526), (183, 7529), (205, 7622), (209, 7637), (211, 7643), (222, 7685), (227, 7703),

Gene: PHL071N05_11 Start: 7159, Stop: 7797, Start Num: 67

Candidate Starts for PHL071N05_11:

(Start: 59 @7147 has 12 MA's), (Start: 65 @7156 has 14 MA's), (Start: 67 @7159 has 29 MA's), (100, 7252), (123, 7339), (182, 7528), (183, 7531), (205, 7624), (209, 7639), (211, 7645), (222, 7687), (227, 7705),

Gene: PHL111M01_11 Start: 7168, Stop: 7788, Start Num: 67

Candidate Starts for PHL111M01_11:

(Start: 59 @7156 has 12 MA's), (Start: 65 @7165 has 14 MA's), (Start: 67 @7168 has 29 MA's), (100, 7261), (123, 7348), (130, 7384), (173, 7525), (182, 7537), (183, 7540), (197, 7594), (205, 7633), (209, 7648), (211, 7654), (222, 7696), (227, 7714),

Gene: PHL112N00_11 Start: 7164, Stop: 7784, Start Num: 67

Candidate Starts for PHL112N00_11:

(Start: 59 @7152 has 12 MA's), (Start: 65 @7161 has 14 MA's), (Start: 67 @7164 has 29 MA's), (100, 7257), (105, 7278), (123, 7344), (130, 7380), (182, 7533), (183, 7536), (205, 7629), (209, 7644), (211, 7650), (222, 7692), (227, 7710),

Gene: PHL113M01_11 Start: 7172, Stop: 7813, Start Num: 67

Candidate Starts for PHL113M01_11:

(Start: 59 @7160 has 12 MA's), (Start: 65 @7169 has 14 MA's), (Start: 67 @7172 has 29 MA's), (123, 7352), (182, 7541), (183, 7544), (185, 7553), (205, 7637), (209, 7652), (211, 7658), (222, 7700), (227, 7718),

Gene: PHL114L00_11 Start: 7168, Stop: 7791, Start Num: 67

Candidate Starts for PHL114L00_11:

(49, 7144), (54, 7150), (Start: 58 @7156 has 3 MA's), (Start: 65 @7165 has 14 MA's), (Start: 67 @7168 has 29 MA's), (123, 7348), (183, 7540), (209, 7648), (211, 7654), (222, 7696), (227, 7714),

Gene: Pace1224_13 Start: 9947, Stop: 10567, Start Num: 36

Candidate Starts for Pace1224_13:

(Start: 36 @9947 has 203 MA's), (77, 10022), (97, 10079), (111, 10121), (114, 10136), (138, 10232), (144, 10247), (150, 10271), (166, 10331), (173, 10355), (188, 10403), (197, 10433), (206, 10475), (213, 10499), (220, 10529),

Gene: Padfoot_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Padfoot_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: Padpat_18 Start: 10504, Stop: 11115, Start Num: 36

Candidate Starts for Padpat_18:

(Start: 36 @10504 has 203 MA's), (Start: 69 @10546 has 1 MA's), (125, 10723), (138, 10780), (144, 10795), (166, 10879), (168, 10885), (182, 10924), (185, 10936), (192, 10963), (204, 11008), (206, 11023), (213, 11047), (230, 11104),

Gene: Paito_13 Start: 9962, Stop: 10582, Start Num: 36

Candidate Starts for Paito_13:

(Start: 36 @9962 has 203 MA's), (77, 10037), (111, 10136), (114, 10151), (138, 10247), (144, 10262), (149, 10277), (150, 10286), (154, 10307), (166, 10346), (173, 10370), (177, 10379), (182, 10391), (195, 10442), (197, 10448), (204, 10475), (206, 10490), (213, 10514),

Gene: Paola_16 Start: 10530, Stop: 11141, Start Num: 36

Candidate Starts for Paola_16:

(Start: 36 @10530 has 203 MA's), (Start: 69 @10575 has 1 MA's), (125, 10752), (138, 10809), (144, 10824), (149, 10839), (166, 10908), (168, 10914), (182, 10953), (185, 10965), (188, 10980), (200, 11019), (204, 11037), (206, 11052), (213, 11076), (220, 11106),

Gene: Parada_16 Start: 9700, Stop: 10245, Start Num: 56

Candidate Starts for Parada_16:

(Start: 56 @9700 has 205 MA's), (Start: 69 @9721 has 1 MA's), (221, 10225),

Gene: Patt_19 Start: 11466, Stop: 12077, Start Num: 39

Candidate Starts for Patt_19:

(Start: 39 @11466 has 47 MA's), (Start: 78 @11532 has 1 MA's), (80, 11538), (85, 11547), (97, 11586), (114, 11643), (116, 11649), (122, 11670), (125, 11682), (138, 11739), (144, 11754), (166, 11838), (168, 11844), (181, 11880), (182, 11883), (185, 11895), (188, 11910), (204, 11967), (206, 11982), (213, 12006), (220, 12036),

Gene: Peanam_18 Start: 9573, Stop: 10184, Start Num: 39

Candidate Starts for Peanam_18:

(Start: 39 @9573 has 47 MA's), (Start: 69 @9615 has 1 MA's), (114, 9753), (125, 9792), (138, 9849), (144, 9864), (154, 9909), (166, 9948), (168, 9954), (169, 9957), (185, 10005), (188, 10020), (204, 10077),

Gene: Peeb_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Peeb_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (149, 10163), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Peel_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Peel_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: Pelletreau_14 Start: 8960, Stop: 9544, Start Num: 56
Candidate Starts for Pelletreau_14:
(Start: 56 @8960 has 205 MA's), (201, 9428), (217, 9497), (221, 9509),

Gene: Percival_12 Start: 9598, Stop: 10164, Start Num: 56
Candidate Starts for Percival_12:
(Start: 56 @9598 has 205 MA's), (88, 9667), (145, 9844), (172, 9943), (193, 10009), (212, 10087), (217, 10111),

Gene: Periodt_13 Start: 9854, Stop: 10468, Start Num: 36
Candidate Starts for Periodt_13:
(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Periwinkle_13 Start: 7496, Stop: 8068, Start Num: 63
Candidate Starts for Periwinkle_13:
(Start: 63 @7496 has 22 MA's), (72, 7517), (79, 7538), (85, 7550), (128, 7709), (143, 7751), (151, 7784), (207, 7973), (231, 8057),

Gene: Petra_16 Start: 9059, Stop: 9697, Start Num: 60
Candidate Starts for Petra_16:
(Start: 57 @9056 has 4 MA's), (Start: 60 @9059 has 39 MA's), (93, 9149), (97, 9164), (115, 9230), (135, 9317), (154, 9392), (161, 9416), (182, 9464), (197, 9521), (205, 9560), (228, 9644), (233, 9680),

Gene: Phabuloso_13 Start: 7501, Stop: 8073, Start Num: 63
Candidate Starts for Phabuloso_13:
(Start: 63 @7501 has 22 MA's), (72, 7522), (79, 7543), (85, 7555), (128, 7714), (143, 7756), (151, 7789), (207, 7978), (231, 8062),

Gene: Pharb_17 Start: 10403, Stop: 11017, Start Num: 36
Candidate Starts for Pharb_17:
(Start: 36 @10403 has 203 MA's), (Start: 69 @10451 has 1 MA's), (138, 10685), (144, 10700), (154, 10745), (166, 10784), (168, 10790), (169, 10793), (182, 10829), (185, 10841), (188, 10856), (204, 10913), (206, 10928), (213, 10952),

Gene: PhelpsODU_17 Start: 9556, Stop: 10170, Start Num: 36
Candidate Starts for PhelpsODU_17:
(Start: 36 @9556 has 203 MA's), (47, 9568), (Start: 69 @9601 has 1 MA's), (125, 9778), (138, 9835), (144, 9850), (149, 9865), (154, 9895), (166, 9934), (168, 9940), (185, 9991), (192, 10018), (206, 10078), (214, 10105),

Gene: PhirstandPhine_14 Start: 8964, Stop: 9545, Start Num: 56
Candidate Starts for PhirstandPhine_14:
(Start: 56 @8964 has 205 MA's), (Start: 69 @8985 has 1 MA's), (100, 9072), (114, 9120), (154, 9273), (182, 9357), (191, 9393), (193, 9399), (201, 9432), (217, 9501),

Gene: Phish_13 Start: 9854, Stop: 10468, Start Num: 36
Candidate Starts for Phish_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Phistory_13 Start: 7485, Stop: 8057, Start Num: 63

Candidate Starts for Phistory_13:

(Start: 63 @7485 has 22 MA's), (72, 7506), (79, 7527), (85, 7539), (128, 7698), (143, 7740), (151, 7773), (207, 7962), (231, 8046),

Gene: Phives_14 Start: 10550, Stop: 11101, Start Num: 56

Candidate Starts for Phives_14:

(Start: 56 @10550 has 205 MA's), (112, 10667), (145, 10793), (150, 10814), (153, 10829),

Gene: Phloodle_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Phloodle_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: PhluffyCoco_12 Start: 8378, Stop: 8959, Start Num: 56

Candidate Starts for PhluffyCoco_12:

(Start: 56 @8378 has 205 MA's), (Start: 69 @8399 has 1 MA's), (154, 8687), (182, 8771), (192, 8810), (193, 8813), (201, 8846), (217, 8915), (228, 8945),

Gene: PhorbesPhlower_12 Start: 7004, Stop: 7594, Start Num: 66

Candidate Starts for PhorbesPhlower_12:

(Start: 66 @7004 has 11 MA's), (Start: 74 @7025 has 1 MA's), (98, 7094), (129, 7223), (149, 7283), (168, 7358), (192, 7436), (197, 7454), (208, 7502),

Gene: Phrank_17 Start: 9499, Stop: 10113, Start Num: 36

Candidate Starts for Phrank_17:

(Start: 36 @9499 has 203 MA's), (47, 9511), (Start: 69 @9544 has 1 MA's), (125, 9721), (138, 9778), (144, 9793), (149, 9808), (154, 9838), (166, 9877), (168, 9883), (192, 9961), (206, 10021), (214, 10048),

Gene: Phreak_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Phreak_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: PhrostedPhlake_15 Start: 9037, Stop: 9675, Start Num: 60

Candidate Starts for PhrostedPhlake_15:

(Start: 57 @9034 has 4 MA's), (Start: 60 @9037 has 39 MA's), (93, 9127), (97, 9142), (115, 9208), (135, 9295), (154, 9370), (161, 9394), (182, 9442), (197, 9499), (205, 9538), (228, 9622), (233, 9658),

Gene: Piatt_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Piatt_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: Pimento_17 Start: 9904, Stop: 10449, Start Num: 56

Candidate Starts for Pimento_17:

(Start: 56 @9904 has 205 MA's), (Start: 69 @9925 has 1 MA's), (221, 10429),

Gene: Pineda_14 Start: 8964, Stop: 9545, Start Num: 56

Candidate Starts for Pineda_14:

(Start: 56 @8964 has 205 MA's), (Start: 69 @8985 has 1 MA's), (100, 9072), (114, 9120), (154, 9273), (182, 9357), (191, 9393), (193, 9399), (201, 9432), (217, 9501),

Gene: PinkYoshi_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for PinkYoshi_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Pinnie_14 Start: 10537, Stop: 11160, Start Num: 36

Candidate Starts for Pinnie_14:

(Start: 36 @10537 has 203 MA's), (53, 10564), (77, 10615), (97, 10672), (111, 10714), (114, 10729), (138, 10825), (144, 10840), (150, 10864), (154, 10885), (166, 10924), (173, 10948), (188, 10996), (195, 11020), (197, 11026), (206, 11068),

Gene: Pipp_14 Start: 8651, Stop: 9292, Start Num: 57

Candidate Starts for Pipp_14:

(Start: 57 @8651 has 4 MA's), (Start: 60 @8654 has 39 MA's), (93, 8744), (97, 8759), (154, 8987), (161, 9011), (182, 9059), (197, 9116), (205, 9155), (228, 9239), (233, 9275),

Gene: Pirate_11 Start: 7156, Stop: 7782, Start Num: 67

Candidate Starts for Pirate_11:

(Start: 59 @7144 has 12 MA's), (Start: 65 @7153 has 14 MA's), (Start: 67 @7156 has 29 MA's), (100, 7249), (123, 7336), (173, 7513), (183, 7528), (205, 7621), (209, 7636), (211, 7642), (222, 7684), (227, 7702),

Gene: Pisa1_17 Start: 10259, Stop: 10870, Start Num: 36

Candidate Starts for Pisa1_17:

(27, 10244), (Start: 36 @10259 has 203 MA's), (Start: 69 @10301 has 1 MA's), (125, 10478), (138, 10535), (144, 10550), (154, 10595), (166, 10634), (168, 10640), (182, 10679), (185, 10691), (192, 10718), (204, 10763), (206, 10778), (213, 10802),

Gene: Pisa4_17 Start: 10259, Stop: 10870, Start Num: 36

Candidate Starts for Pisa4_17:

(27, 10244), (Start: 36 @10259 has 203 MA's), (Start: 69 @10301 has 1 MA's), (125, 10478), (138, 10535), (144, 10550), (154, 10595), (166, 10634), (168, 10640), (182, 10679), (185, 10691), (192, 10718), (204, 10763), (206, 10778), (213, 10802),

Gene: Pixelle_13 Start: 9493, Stop: 10044, Start Num: 56

Candidate Starts for Pixelle_13:

(Start: 56 @9493 has 205 MA's), (145, 9736), (150, 9757),

Gene: Pixie_17 Start: 10319, Stop: 10930, Start Num: 35

Candidate Starts for Pixie_17:

(Start: 35 @10319 has 7 MA's), (Start: 69 @10364 has 1 MA's), (125, 10541), (138, 10598), (144, 10613), (154, 10658), (166, 10697), (168, 10703), (169, 10706), (182, 10742), (185, 10754), (188, 10769), (204, 10826), (206, 10841), (213, 10865),

Gene: Plagueis_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Plagueis_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Pokerus_17 Start: 10458, Stop: 11072, Start Num: 36

Candidate Starts for Pokerus_17:

(Start: 36 @10458 has 203 MA's), (Start: 69 @10503 has 1 MA's), (111, 10626), (125, 10680), (138, 10737), (144, 10752), (166, 10836), (168, 10842), (182, 10881), (185, 10893), (192, 10920), (204, 10965), (206, 10980), (213, 11004),

Gene: Polka_13 Start: 8803, Stop: 9384, Start Num: 56

Candidate Starts for Polka_13:

(Start: 56 @8803 has 205 MA's), (Start: 69 @8824 has 1 MA's), (100, 8911), (114, 8959), (154, 9112), (182, 9196), (191, 9232), (193, 9238), (201, 9271), (217, 9340),

Gene: Ponzi_51 Start: 29147, Stop: 29737, Start Num: 68

Candidate Starts for Ponzi_51:

(45, 29111), (Start: 68 @29147 has 5 MA's), (114, 29300), (119, 29318), (132, 29372), (144, 29408), (183, 29546), (196, 29597), (227, 29714),

Gene: Powerpuff_13 Start: 9518, Stop: 10069, Start Num: 56

Candidate Starts for Powerpuff_13:

(Start: 56 @9518 has 205 MA's), (145, 9761), (150, 9782), (153, 9797), (211, 10001),

Gene: PrincePatrick_14 Start: 8714, Stop: 9367, Start Num: 60

Candidate Starts for PrincePatrick_14:

(Start: 42 @8684 has 1 MA's), (Start: 57 @8711 has 4 MA's), (Start: 60 @8714 has 39 MA's), (93, 8804), (97, 8819), (124, 8921), (134, 8969), (154, 9047), (161, 9071), (173, 9101), (182, 9119), (205, 9215), (228, 9299),

Gene: Prithvi_18 Start: 10468, Stop: 11082, Start Num: 36

Candidate Starts for Prithvi_18:

(Start: 36 @10468 has 203 MA's), (Start: 69 @10513 has 1 MA's), (111, 10636), (125, 10690), (138, 10747), (144, 10762), (166, 10846), (168, 10852), (182, 10891), (185, 10903), (204, 10975), (206, 10990), (213, 11014), (230, 11071),

Gene: Procrass1_11 Start: 7169, Stop: 7795, Start Num: 67

Candidate Starts for Procrass1_11:

(Start: 59 @7157 has 12 MA's), (Start: 65 @7166 has 14 MA's), (Start: 67 @7169 has 29 MA's), (100, 7262), (123, 7349), (173, 7526), (183, 7541), (205, 7634), (209, 7649), (211, 7655), (222, 7697), (227, 7715),

Gene: Psycho_16 Start: 10498, Stop: 11109, Start Num: 36

Candidate Starts for Psycho_16:

(Start: 36 @10498 has 203 MA's), (Start: 69 @10543 has 1 MA's), (138, 10777), (144, 10792), (149, 10807), (166, 10876), (168, 10882), (182, 10921), (185, 10933), (188, 10948), (204, 11005), (206, 11020), (213, 11044), (220, 11074),

Gene: Pumpkins_13 Start: 9570, Stop: 10121, Start Num: 56

Candidate Starts for Pumpkins_13:

(Start: 56 @9570 has 205 MA's), (145, 9813), (150, 9834),

Gene: Puppies_11 Start: 7567, Stop: 8112, Start Num: 56

Candidate Starts for Puppies_11:

(Start: 56 @7567 has 205 MA's), (140, 7822), (194, 7984), (198, 7996), (199, 7999),

Gene: Qhanda_19 Start: 11736, Stop: 12347, Start Num: 39

Candidate Starts for Qhanda_19:

(Start: 39 @11736 has 47 MA's), (Start: 78 @11802 has 1 MA's), (80, 11808), (97, 11856), (114, 11913), (116, 11919), (122, 11940), (125, 11952), (138, 12009), (144, 12024), (166, 12108), (168, 12114), (182, 12153), (185, 12165), (188, 12180), (204, 12237), (206, 12252), (213, 12276), (220, 12306),

Gene: QueenBey_11 Start: 7157, Stop: 7789, Start Num: 67

Candidate Starts for QueenBey_11:

(Start: 58 @7145 has 3 MA's), (Start: 65 @7154 has 14 MA's), (Start: 67 @7157 has 29 MA's), (123, 7337), (130, 7373), (141, 7409), (182, 7526), (183, 7529), (209, 7637), (211, 7643), (222, 7685), (227, 7703),

Gene: Quenya_13 Start: 8462, Stop: 9052, Start Num: 56

Candidate Starts for Quenya_13:

(Start: 56 @8462 has 205 MA's), (Start: 61 @8468 has 1 MA's), (Start: 69 @8483 has 1 MA's), (79, 8510), (103, 8573), (111, 8606), (114, 8621), (154, 8774), (166, 8813), (168, 8819), (182, 8858), (184, 8867), (192, 8897), (198, 8918),

Gene: QuincyRose_17 Start: 10521, Stop: 11135, Start Num: 36

Candidate Starts for QuincyRose_17:

(Start: 36 @10521 has 203 MA's), (Start: 69 @10566 has 1 MA's), (111, 10689), (125, 10743), (138, 10800), (144, 10815), (166, 10899), (168, 10905), (182, 10944), (185, 10956), (192, 10983), (204, 11028), (206, 11043), (213, 11067),

Gene: Rabbs_13 Start: 9837, Stop: 10457, Start Num: 36

Candidate Starts for Rabbs_13:

(Start: 36 @9837 has 203 MA's), (77, 9912), (111, 10011), (114, 10026), (138, 10122), (144, 10137), (149, 10152), (150, 10161), (154, 10182), (166, 10221), (173, 10245), (177, 10254), (182, 10266), (195, 10317), (197, 10323), (203, 10347), (206, 10365), (213, 10389),

Gene: Ramen_18 Start: 10504, Stop: 11118, Start Num: 36

Candidate Starts for Ramen_18:

(Start: 36 @10504 has 203 MA's), (Start: 69 @10549 has 1 MA's), (111, 10672), (125, 10726), (138, 10783), (144, 10798), (166, 10882), (168, 10888), (182, 10927), (185, 10939), (192, 10966), (204, 11011), (206, 11026), (213, 11050), (230, 11107),

Gene: Rando14_16 Start: 9500, Stop: 10111, Start Num: 36

Candidate Starts for Rando14_16:

(Start: 36 @9500 has 203 MA's), (Start: 69 @9545 has 1 MA's), (125, 9722), (138, 9779), (144, 9794), (149, 9809), (154, 9839), (166, 9878), (168, 9884), (182, 9923), (185, 9935), (188, 9950), (192, 9962), (204, 10007), (206, 10022), (213, 10046), (220, 10076), (229, 10097),

Gene: Rapunzel97_18 Start: 10505, Stop: 11119, Start Num: 36

Candidate Starts for Rapunzel97_18:

(Start: 36 @10505 has 203 MA's), (Start: 69 @10550 has 1 MA's), (111, 10673), (125, 10727), (138, 10784), (144, 10799), (166, 10883), (168, 10889), (182, 10928), (185, 10940), (192, 10967), (204, 11012), (206, 11027), (213, 11051), (230, 11108),

Gene: Rattail_12 Start: 8429, Stop: 9010, Start Num: 56

Candidate Starts for Rattail_12:

(Start: 56 @8429 has 205 MA's), (Start: 69 @8450 has 1 MA's), (154, 8738), (182, 8822), (192, 8861), (193, 8864), (201, 8897), (217, 8966), (228, 8996),

Gene: Rattrick_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Rattrick_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: RedFox_12 Start: 8378, Stop: 8959, Start Num: 56

Candidate Starts for RedFox_12:

(Start: 56 @8378 has 205 MA's), (Start: 69 @8399 has 1 MA's), (154, 8687), (182, 8771), (192, 8810), (193, 8813), (201, 8846), (217, 8915), (228, 8945),

Gene: Reedo_13 Start: 9508, Stop: 10059, Start Num: 56

Candidate Starts for Reedo_13:

(Start: 56 @9508 has 205 MA's), (130, 9703), (135, 9721), (153, 9787), (197, 9937),

Gene: Rem711_18 Start: 11518, Stop: 12087, Start Num: 56

Candidate Starts for Rem711_18:

(Start: 56 @11518 has 205 MA's), (79, 11563), (109, 11668), (143, 11800), (144, 11806), (150, 11830), (151, 11833),

Gene: Remy19_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Remy19_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Renaissance_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Renaissance_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Renna12_13 Start: 8581, Stop: 9165, Start Num: 56

Candidate Starts for Renna12_13:

(Start: 56 @8581 has 205 MA's), (Start: 69 @8602 has 1 MA's), (154, 8890), (182, 8974), (192, 9013), (193, 9016), (217, 9118),

Gene: Reptar3000_19 Start: 11468, Stop: 12079, Start Num: 39

Candidate Starts for Reptar3000_19:

(Start: 39 @11468 has 47 MA's), (Start: 78 @11534 has 1 MA's), (80, 11540), (85, 11549), (97, 11588), (114, 11645), (116, 11651), (122, 11672), (125, 11684), (138, 11741), (144, 11756), (166, 11840), (168, 11846), (181, 11882), (182, 11885), (185, 11897), (188, 11912), (204, 11969), (206, 11984), (213, 12008), (220, 12038),

Gene: Reyja_13 Start: 8077, Stop: 8643, Start Num: 56

Candidate Starts for Reyja_13:

(Start: 56 @8077 has 205 MA's), (97, 8176), (140, 8332), (177, 8437), (198, 8509),

Gene: Richarlison_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Richarlison_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Richo_18 Start: 9573, Stop: 10184, Start Num: 39

Candidate Starts for Richo_18:

(Start: 39 @9573 has 47 MA's), (Start: 69 @9615 has 1 MA's), (114, 9753), (125, 9792), (138, 9849), (144, 9864), (154, 9909), (166, 9948), (168, 9954), (169, 9957), (185, 10005), (188, 10020), (204, 10077),

Gene: Rileysaurus_11 Start: 7153, Stop: 7785, Start Num: 67

Candidate Starts for Rileysaurus_11:

(Start: 58 @7141 has 3 MA's), (Start: 65 @7150 has 14 MA's), (Start: 67 @7153 has 29 MA's), (100, 7246), (109, 7276), (123, 7333), (183, 7525), (185, 7534), (205, 7618), (222, 7681), (227, 7699),

Gene: Roberts_14 Start: 8154, Stop: 8732, Start Num: 62

Candidate Starts for Roberts_14:

(Start: 62 @8154 has 7 MA's), (149, 8433), (177, 8535), (193, 8589), (228, 8721),

Gene: RockScotty_13 Start: 8980, Stop: 9540, Start Num: 56

Candidate Starts for RockScotty_13:

(Start: 56 @8980 has 205 MA's), (145, 9223), (153, 9259), (172, 9322), (207, 9448), (222, 9505),

Gene: Rollins_11 Start: 8156, Stop: 8740, Start Num: 56

Candidate Starts for Rollins_11:

(Start: 56 @8156 has 205 MA's), (Start: 61 @8162 has 1 MA's), (Start: 69 @8177 has 1 MA's), (71, 8183), (114, 8315), (154, 8468), (155, 8474), (166, 8507), (189, 8582), (191, 8588), (193, 8594),

Gene: Ronaldo_48 Start: 17900, Stop: 18457, Start Num: 65

Candidate Starts for Ronaldo_48:

(Start: 65 @17900 has 14 MA's), (72, 17918), (94, 17981), (154, 18206), (165, 18224), (168, 18233), (182, 18272), (185, 18284), (205, 18371),

Gene: Rosmarinus_18 Start: 10532, Stop: 11143, Start Num: 36

Candidate Starts for Rosmarinus_18:

(Start: 36 @10532 has 203 MA's), (Start: 69 @10574 has 1 MA's), (111, 10697), (125, 10751), (138, 10808), (144, 10823), (166, 10907), (168, 10913), (182, 10952), (185, 10964), (192, 10991), (204, 11036), (206, 11051), (213, 11075), (230, 11132),

Gene: Rowa_12 Start: 8015, Stop: 8572, Start Num: 56

Candidate Starts for Rowa_12:

(Start: 56 @8015 has 205 MA's), (64, 8027), (99, 8111), (144, 8258), (151, 8285), (158, 8315), (169, 8348), (217, 8525),

Gene: RunningOnE_72 Start: 34517, Stop: 35101, Start Num: 68

Candidate Starts for RunningOnE_72:

(Start: 68 @34517 has 5 MA's), (84, 34562), (111, 34658), (116, 34679), (119, 34691), (156, 34835), (196, 34967), (214, 35039), (227, 35084),

Gene: Ruriko_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Ruriko_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Ruthiejr_18 Start: 11323, Stop: 11934, Start Num: 39

Candidate Starts for Ruthiejr_18:

(Start: 39 @11323 has 47 MA's), (Start: 78 @11389 has 1 MA's), (80, 11395), (97, 11443), (114, 11500), (116, 11506), (122, 11527), (125, 11539), (138, 11596), (144, 11611), (149, 11626), (166, 11695), (168, 11701), (188, 11767), (204, 11824), (206, 11839), (213, 11863), (220, 11893),

Gene: Ruthy_13 Start: 8511, Stop: 9053, Start Num: 56

Candidate Starts for Ruthy_13:

(10, 8325), (28, 8460), (Start: 56 @8511 has 205 MA's), (88, 8580), (131, 8739), (133, 8745), (171, 8850), (221, 9036),

Gene: SKKY_11 Start: 7186, Stop: 7830, Start Num: 67

Candidate Starts for SKKY_11:

(52, 7165), (Start: 58 @7174 has 3 MA's), (Start: 65 @7183 has 14 MA's), (Start: 67 @7186 has 29 MA's), (100, 7279), (123, 7366), (130, 7402), (173, 7543), (182, 7555), (183, 7558), (197, 7612), (205, 7651), (209, 7666), (211, 7672), (222, 7714), (227, 7732),

Gene: Sabourin_13 Start: 8889, Stop: 9449, Start Num: 56

Candidate Starts for Sabourin_13:

(Start: 56 @8889 has 205 MA's), (145, 9132), (153, 9168), (171, 9225), (207, 9357),

Gene: Salvus_16 Start: 9646, Stop: 10287, Start Num: 39

Candidate Starts for Salvus_16:

(25, 9613), (Start: 39 @9646 has 47 MA's), (64, 9679), (Start: 69 @9688 has 1 MA's), (Start: 76 @9706 has 1 MA's), (98, 9772), (111, 9811), (114, 9826), (143, 9931), (149, 9952), (154, 9982), (166, 10021), (182, 10066), (204, 10150), (208, 10171),

Gene: SamScheppers_17 Start: 11243, Stop: 11854, Start Num: 39

Candidate Starts for SamScheppers_17:

(Start: 39 @11243 has 47 MA's), (Start: 78 @11309 has 1 MA's), (80, 11315), (97, 11363), (114, 11420), (116, 11426), (122, 11447), (125, 11459), (138, 11516), (144, 11531), (166, 11615), (168, 11621), (182, 11660), (185, 11672), (188, 11687), (204, 11744), (206, 11759), (213, 11783), (220, 11813),

Gene: Samba_14 Start: 8787, Stop: 9425, Start Num: 60

Candidate Starts for Samba_14:

(Start: 57 @8784 has 4 MA's), (Start: 60 @8787 has 39 MA's), (93, 8877), (97, 8892), (154, 9120), (161, 9144), (182, 9192), (197, 9249), (205, 9288), (228, 9372), (233, 9408),

Gene: SamuelLPlaqson_18 Start: 10446, Stop: 11060, Start Num: 36

Candidate Starts for SamuelLPlaqson_18:

(Start: 36 @10446 has 203 MA's), (53, 10464), (Start: 69 @10491 has 1 MA's), (125, 10668), (138, 10725), (144, 10740), (149, 10755), (154, 10785), (166, 10824), (168, 10830), (182, 10869), (185, 10881), (192, 10908), (204, 10953), (206, 10968), (213, 10992),

Gene: Samy_17 Start: 9940, Stop: 10539, Start Num: 74

Candidate Starts for Samy_17:

(Start: 56 @9904 has 205 MA's), (Start: 74 @9940 has 1 MA's), (82, 9964), (97, 10006), (135, 10156), (193, 10366), (206, 10423), (208, 10429), (209, 10435), (211, 10441), (220, 10477), (230, 10510),

Gene: Santhid_12 Start: 7942, Stop: 8508, Start Num: 56

Candidate Starts for Santhid_12:

(Start: 56 @7942 has 205 MA's), (97, 8041), (140, 8197), (177, 8302), (198, 8374),

Gene: Scarlett_17 Start: 9505, Stop: 10116, Start Num: 36

Candidate Starts for Scarlett_17:

(Start: 36 @9505 has 203 MA's), (Start: 69 @9547 has 1 MA's), (138, 9781), (144, 9796), (149, 9811), (154, 9841), (166, 9880), (168, 9886), (182, 9925), (185, 9937), (204, 10009), (206, 10024), (213, 10048), (220, 10078), (227, 10099),

Gene: Schaffner_13 Start: 9558, Stop: 10109, Start Num: 56

Candidate Starts for Schaffner_13:

(Start: 56 @9558 has 205 MA's), (145, 9801), (212, 10044),

Gene: Schiebel_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Schiebel_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Schmidt_15 Start: 9115, Stop: 9729, Start Num: 75

Candidate Starts for Schmidt_15:

(11, 8911), (Start: 75 @9115 has 10 MA's), (92, 9166), (97, 9181), (102, 9199), (108, 9223), (124, 9289), (134, 9337), (155, 9421), (176, 9487), (185, 9511),

Gene: SgtBeansprout_14 Start: 9777, Stop: 10388, Start Num: 36

Candidate Starts for SgtBeansprout_14:

(Start: 36 @9777 has 203 MA's), (Start: 56 @9798 has 205 MA's), (Start: 69 @9819 has 1 MA's), (111, 9942), (114, 9957), (125, 9996), (138, 10053), (144, 10068), (154, 10113), (166, 10152), (168, 10158), (182, 10197), (185, 10209), (204, 10281), (206, 10296), (213, 10320), (220, 10350),

Gene: ShaboiShabazz_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for ShaboiShabazz_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Shadow1_16 Start: 9392, Stop: 10006, Start Num: 36

Candidate Starts for Shadow1_16:

(Start: 36 @9392 has 203 MA's), (Start: 69 @9437 has 1 MA's), (125, 9614), (138, 9671), (144, 9686), (154, 9731), (166, 9770), (168, 9776), (206, 9914), (214, 9941),

Gene: ShakeltOph_12 Start: 7693, Stop: 8247, Start Num: 56

Candidate Starts for ShakeltOph_12:

(Start: 56 @7693 has 205 MA's), (153, 7972), (165, 8008),

Gene: Shambre1_14 Start: 9456, Stop: 10025, Start Num: 62

Candidate Starts for Shambre1_14:

(Start: 62 @9456 has 7 MA's), (140, 9705), (182, 9849), (187, 9873), (205, 9945), (215, 9984),

Gene: Shaobing_18 Start: 9573, Stop: 10184, Start Num: 39

Candidate Starts for Shaobing_18:

(Start: 39 @9573 has 47 MA's), (Start: 69 @9615 has 1 MA's), (114, 9753), (125, 9792), (138, 9849), (144, 9864), (154, 9909), (166, 9948), (168, 9954), (169, 9957), (185, 10005), (188, 10020), (204, 10077),

Gene: ShawBrad_13 Start: 7519, Stop: 8091, Start Num: 63

Candidate Starts for ShawBrad_13:

(Start: 63 @7519 has 22 MA's), (72, 7540), (79, 7561), (85, 7573), (128, 7732), (143, 7774), (151, 7807), (207, 7996), (231, 8080),

Gene: Shayna_11 Start: 8161, Stop: 8745, Start Num: 56

Candidate Starts for Shayna_11:

(Start: 56 @8161 has 205 MA's), (Start: 69 @8182 has 1 MA's), (111, 8299), (154, 8467), (166, 8506), (190, 8584),

Gene: ShedlockHolmes_17 Start: 10567, Stop: 11178, Start Num: 35

Candidate Starts for ShedlockHolmes_17:

(Start: 35 @10567 has 7 MA's), (Start: 69 @10612 has 1 MA's), (125, 10789), (138, 10846), (144, 10861), (154, 10906), (158, 10918), (166, 10945), (168, 10951), (169, 10954), (182, 10990), (185, 11002), (188, 11017), (204, 11074), (206, 11089), (213, 11113),

Gene: Shen_14 Start: 8961, Stop: 9545, Start Num: 56

Candidate Starts for Shen_14:

(Start: 56 @8961 has 205 MA's), (201, 9429), (217, 9498), (221, 9510),

Gene: ShiaSurprise_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for ShiaSurprise_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: SilverChicken_14 Start: 7679, Stop: 8272, Start Num: 65

Candidate Starts for SilverChicken_14:

(Start: 65 @7679 has 14 MA's), (72, 7697), (111, 7814), (121, 7853), (136, 7919), (149, 7952), (151, 7964), (155, 7988), (182, 8060), (184, 8069), (186, 8081), (189, 8093), (197, 8117), (201, 8135),

Gene: Simpson_14 Start: 9468, Stop: 10019, Start Num: 56

Candidate Starts for Simpson_14:

(Start: 56 @9468 has 205 MA's), (145, 9711), (150, 9732), (153, 9747), (211, 9951),

Gene: SirPhilip_17 Start: 9268, Stop: 9879, Start Num: 36

Candidate Starts for SirPhilip_17:

(Start: 36 @9268 has 203 MA's), (93, 9376), (114, 9448), (125, 9487), (138, 9544), (144, 9559), (154, 9604), (162, 9628), (166, 9643), (168, 9649), (182, 9688), (185, 9700), (206, 9787), (213, 9811), (227, 9862),

Gene: Sizemore_13 Start: 9855, Stop: 10469, Start Num: 36

Candidate Starts for Sizemore_13:

(Start: 36 @9855 has 203 MA's), (Start: 69 @9900 has 1 MA's), (77, 9924), (106, 10002), (111, 10023), (114, 10038), (138, 10134), (144, 10149), (150, 10173), (154, 10194), (166, 10233), (173, 10257), (177, 10266), (182, 10278), (197, 10335), (204, 10362), (206, 10377), (213, 10401),

Gene: Skelbel_13 Start: 9449, Stop: 10000, Start Num: 56
Candidate Starts for Skelbel_13:
(Start: 56 @9449 has 205 MA's), (150, 9713), (153, 9728), (211, 9932),

Gene: Skylord_11 Start: 8096, Stop: 8680, Start Num: 56
Candidate Starts for Skylord_11:
(Start: 56 @8096 has 205 MA's), (Start: 61 @8102 has 1 MA's), (Start: 69 @8117 has 1 MA's), (71, 8123), (114, 8255), (154, 8408), (155, 8414), (166, 8447), (189, 8522), (191, 8528), (193, 8534),

Gene: Slarp_19 Start: 11727, Stop: 12338, Start Num: 39
Candidate Starts for Slarp_19:
(Start: 39 @11727 has 47 MA's), (Start: 78 @11793 has 1 MA's), (80, 11799), (97, 11847), (114, 11904), (116, 11910), (122, 11931), (125, 11943), (138, 12000), (144, 12015), (166, 12099), (168, 12105), (182, 12144), (185, 12156), (188, 12171), (204, 12228), (206, 12243), (213, 12267), (220, 12297),

Gene: Slimphazie_18 Start: 10505, Stop: 11119, Start Num: 36
Candidate Starts for Slimphazie_18:
(Start: 36 @10505 has 203 MA's), (Start: 69 @10550 has 1 MA's), (111, 10673), (125, 10727), (138, 10784), (144, 10799), (166, 10883), (168, 10889), (182, 10928), (185, 10940), (192, 10967), (204, 11012), (206, 11027), (213, 11051), (230, 11108),

Gene: Sneeze_13 Start: 9836, Stop: 10456, Start Num: 36
Candidate Starts for Sneeze_13:
(Start: 36 @9836 has 203 MA's), (77, 9911), (111, 10010), (114, 10025), (138, 10121), (144, 10136), (149, 10151), (150, 10160), (154, 10181), (166, 10220), (173, 10244), (177, 10253), (182, 10265), (195, 10316), (197, 10322), (203, 10346), (206, 10364), (213, 10388),

Gene: Snek_13 Start: 8559, Stop: 9110, Start Num: 56
Candidate Starts for Snek_13:
(Start: 56 @8559 has 205 MA's), (130, 8754), (145, 8802), (197, 8982),

Gene: SoSeph_16 Start: 10657, Stop: 11268, Start Num: 36
Candidate Starts for SoSeph_16:
(Start: 36 @10657 has 203 MA's), (Start: 69 @10702 has 1 MA's), (125, 10879), (138, 10936), (144, 10951), (149, 10966), (166, 11035), (168, 11041), (182, 11080), (188, 11107), (200, 11146), (204, 11164), (206, 11179), (213, 11203), (220, 11233),

Gene: Solid_11 Start: 7163, Stop: 7783, Start Num: 67
Candidate Starts for Solid_11:
(Start: 59 @7151 has 12 MA's), (Start: 65 @7160 has 14 MA's), (Start: 67 @7163 has 29 MA's), (100, 7256), (123, 7343), (182, 7532), (183, 7535), (185, 7544), (205, 7628), (209, 7643), (211, 7649), (222, 7691), (227, 7709),

Gene: Soondubu_12 Start: 9369, Stop: 9917, Start Num: 56
Candidate Starts for Soondubu_12:
(Start: 56 @9369 has 205 MA's), (79, 9414), (212, 9852), (213, 9855), (221, 9888),

Gene: Sooty_13 Start: 8890, Stop: 9450, Start Num: 56
Candidate Starts for Sooty_13:
(Start: 56 @8890 has 205 MA's), (145, 9133), (153, 9169), (171, 9226), (207, 9358),

Gene: Soul22_14 Start: 7679, Stop: 8272, Start Num: 65

Candidate Starts for Soul22_14:

(19, 7577), (Start: 65 @7679 has 14 MA's), (72, 7697), (111, 7814), (121, 7853), (136, 7919), (149, 7952), (151, 7964), (155, 7988), (182, 8060), (183, 8063), (186, 8081), (189, 8093), (197, 8117), (201, 8135),

Gene: Spartoi_11 Start: 7044, Stop: 7571, Start Num: 69

Candidate Starts for Spartoi_11:

(Start: 69 @7044 has 1 MA's), (91, 7104), (139, 7290), (142, 7296), (197, 7458), (224, 7563),

Gene: SpecialK_13 Start: 8887, Stop: 9447, Start Num: 56

Candidate Starts for SpecialK_13:

(Start: 56 @8887 has 205 MA's), (145, 9130), (153, 9166), (171, 9223), (207, 9355), (222, 9412),

Gene: Splinter_17 Start: 10694, Stop: 11284, Start Num: 75

Candidate Starts for Splinter_17:

(Start: 75 @10694 has 10 MA's), (87, 10727), (97, 10760), (102, 10778), (121, 10856), (184, 11090), (185, 11093), (192, 11120), (209, 11192),

Gene: Spock_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Spock_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: Spooks_57 Start: 33105, Stop: 33695, Start Num: 68

Candidate Starts for Spooks_57:

(55, 33087), (Start: 68 @33105 has 5 MA's), (95, 33183), (123, 33291), (132, 33330), (138, 33351), (148, 33381), (156, 33423), (183, 33510), (191, 33543), (192, 33546), (196, 33561),

Gene: Spooky_13 Start: 7512, Stop: 8081, Start Num: 63

Candidate Starts for Spooky_13:

(Start: 63 @7512 has 22 MA's), (72, 7533), (79, 7554), (85, 7566), (128, 7725), (143, 7767), (151, 7800), (186, 7908), (207, 7989),

Gene: Sprinklemunch_12 Start: 8286, Stop: 8828, Start Num: 56

Candidate Starts for Sprinklemunch_12:

(34, 8244), (51, 8280), (Start: 56 @8286 has 205 MA's), (110, 8418), (133, 8520), (171, 8625), (221, 8811),

Gene: Squiddly_14 Start: 8181, Stop: 8753, Start Num: 63

Candidate Starts for Squiddly_14:

(Start: 63 @8181 has 22 MA's), (72, 8202), (79, 8223), (85, 8235), (128, 8394), (143, 8436), (151, 8469), (207, 8658), (231, 8742),

Gene: Squiracle_12 Start: 8549, Stop: 9136, Start Num: 56

Candidate Starts for Squiracle_12:

(Start: 56 @8549 has 205 MA's), (71, 8576), (111, 8690), (166, 8897), (177, 8930), (189, 8972), (190, 8975), (193, 8984),

Gene: Stargaze_13 Start: 10149, Stop: 10772, Start Num: 36

Candidate Starts for Stargaze_13:

(Start: 36 @10149 has 203 MA's), (77, 10227), (97, 10284), (111, 10326), (114, 10341), (138, 10437), (144, 10452), (150, 10476), (154, 10497), (166, 10536), (173, 10560), (188, 10608), (197, 10638),

(206, 10680), (213, 10704),

Gene: Stellammi_10 Start: 6989, Stop: 7576, Start Num: 63

Candidate Starts for Stellammi_10:

(46, 6965), (Start: 63 @6989 has 22 MA's), (85, 7043), (103, 7094), (117, 7151), (143, 7244), (149, 7265), (155, 7301), (165, 7328), (168, 7340), (174, 7361), (179, 7370), (201, 7460), (209, 7496), (211, 7502), (213, 7508), (219, 7535),

Gene: Stinson_18 Start: 10468, Stop: 11079, Start Num: 37

Candidate Starts for Stinson_18:

(Start: 37 @10468 has 5 MA's), (Start: 69 @10510 has 1 MA's), (111, 10633), (125, 10687), (138, 10744), (144, 10759), (154, 10804), (166, 10843), (168, 10849), (182, 10888), (185, 10900), (192, 10927), (204, 10972), (206, 10987), (213, 11011),

Gene: Stormborn_11 Start: 7159, Stop: 7797, Start Num: 67

Candidate Starts for Stormborn_11:

(Start: 58 @7147 has 3 MA's), (Start: 65 @7156 has 14 MA's), (Start: 67 @7159 has 29 MA's), (123, 7339), (182, 7528), (183, 7531), (197, 7585), (205, 7624), (209, 7639), (211, 7645), (222, 7687), (227, 7705),

Gene: Strobilo_14 Start: 8532, Stop: 9146, Start Num: 32

Candidate Starts for Strobilo_14:

(Start: 32 @8532 has 8 MA's), (64, 8571), (Start: 69 @8580 has 1 MA's), (138, 8814), (144, 8829), (149, 8844), (154, 8874), (166, 8913), (168, 8919), (181, 8955), (185, 8970), (192, 8997), (204, 9042), (206, 9057), (213, 9081),

Gene: StuartMinion_12 Start: 8406, Stop: 8987, Start Num: 56

Candidate Starts for StuartMinion_12:

(8, 8169), (9, 8190), (15, 8265), (Start: 30 @8355 has 3 MA's), (Start: 56 @8406 has 205 MA's), (Start: 69 @8427 has 1 MA's), (154, 8715), (155, 8721), (182, 8799), (192, 8838), (193, 8841), (228, 8973),

Gene: Studio_14 Start: 7913, Stop: 8494, Start Num: 62

Candidate Starts for Studio_14:

(Start: 62 @7913 has 7 MA's), (177, 8294), (193, 8348), (228, 8480),

Gene: Stuu_13 Start: 8980, Stop: 9540, Start Num: 56

Candidate Starts for Stuu_13:

(Start: 56 @8980 has 205 MA's), (145, 9223), (153, 9259), (172, 9322), (207, 9448), (222, 9505),

Gene: SuMoo_11 Start: 7932, Stop: 8495, Start Num: 56

Candidate Starts for SuMoo_11:

(Start: 56 @7932 has 205 MA's), (112, 8049), (130, 8127), (217, 8442),

Gene: Subaru_13 Start: 9449, Stop: 10000, Start Num: 56

Candidate Starts for Subaru_13:

(Start: 56 @9449 has 205 MA's), (150, 9713), (153, 9728), (211, 9932),

Gene: Success_58 Start: 32224, Stop: 32814, Start Num: 68

Candidate Starts for Success_58:

(55, 32206), (Start: 68 @32224 has 5 MA's), (111, 32362), (132, 32449), (138, 32470), (156, 32542), (163, 32563), (183, 32629), (191, 32662), (192, 32665), (196, 32680),

Gene: Sue2_13 Start: 9472, Stop: 10023, Start Num: 56

Candidate Starts for Sue2_13:
(Start: 56 @9472 has 205 MA's), (145, 9715),

Gene: Sulley_18 Start: 10474, Stop: 11088, Start Num: 36
Candidate Starts for Sulley_18:
(Start: 36 @10474 has 203 MA's), (Start: 69 @10519 has 1 MA's), (111, 10642), (125, 10696), (138, 10753), (144, 10768), (166, 10852), (168, 10858), (182, 10897), (185, 10909), (192, 10936), (204, 10981), (206, 10996), (213, 11020), (230, 11077),

Gene: Sunflower1121_16 Start: 9403, Stop: 10017, Start Num: 36
Candidate Starts for Sunflower1121_16:
(Start: 36 @9403 has 203 MA's), (Start: 69 @9448 has 1 MA's), (125, 9625), (138, 9682), (144, 9697), (154, 9742), (166, 9781), (168, 9787), (206, 9925), (214, 9952),

Gene: SunnyD_11 Start: 8161, Stop: 8745, Start Num: 56
Candidate Starts for SunnyD_11:
(Start: 56 @8161 has 205 MA's), (Start: 69 @8182 has 1 MA's), (111, 8299), (154, 8467), (166, 8506), (190, 8584),

Gene: SuperHands_13 Start: 9770, Stop: 10336, Start Num: 56
Candidate Starts for SuperHands_13:
(Start: 56 @9770 has 205 MA's), (88, 9839), (145, 10016), (172, 10115), (193, 10181), (212, 10259), (217, 10283),

Gene: Supernova_11 Start: 7163, Stop: 7804, Start Num: 67
Candidate Starts for Supernova_11:
(Start: 59 @7151 has 12 MA's), (Start: 65 @7160 has 14 MA's), (Start: 67 @7163 has 29 MA's), (100, 7256), (109, 7286), (123, 7343), (130, 7379), (182, 7532), (183, 7535), (197, 7589), (205, 7628), (209, 7643), (211, 7649), (222, 7691), (227, 7709),

Gene: Sweets_13 Start: 9849, Stop: 10463, Start Num: 36
Candidate Starts for Sweets_13:
(Start: 36 @9849 has 203 MA's), (Start: 69 @9894 has 1 MA's), (77, 9918), (106, 9996), (111, 10017), (114, 10032), (138, 10128), (144, 10143), (150, 10167), (154, 10188), (166, 10227), (173, 10251), (177, 10260), (182, 10272), (197, 10329), (204, 10356), (206, 10371), (213, 10395),

Gene: Syra333_17 Start: 9500, Stop: 10114, Start Num: 36
Candidate Starts for Syra333_17:
(Start: 36 @9500 has 203 MA's), (Start: 69 @9545 has 1 MA's), (125, 9722), (138, 9779), (144, 9794), (149, 9809), (154, 9839), (166, 9878), (168, 9884), (206, 10022), (214, 10049), (227, 10097),

Gene: TBond007_17 Start: 10318, Stop: 10929, Start Num: 35
Candidate Starts for TBond007_17:
(Start: 35 @10318 has 7 MA's), (Start: 69 @10363 has 1 MA's), (125, 10540), (138, 10597), (144, 10612), (154, 10657), (166, 10696), (168, 10702), (169, 10705), (182, 10741), (185, 10753), (188, 10768), (204, 10825), (206, 10840), (213, 10864),

Gene: TClif_17 Start: 9491, Stop: 10102, Start Num: 36
Candidate Starts for TClif_17:
(20, 9443), (Start: 36 @9491 has 203 MA's), (Start: 59 @9515 has 12 MA's), (114, 9671), (125, 9710), (138, 9767), (144, 9782), (149, 9797), (154, 9827), (166, 9866), (168, 9872), (182, 9911), (185, 9923), (192, 9950), (206, 10010), (213, 10034), (219, 10061), (227, 10085),

Gene: TM4_14 Start: 8590, Stop: 9204, Start Num: 32

Candidate Starts for TM4_14:

(Start: 32 @8590 has 8 MA's), (Start: 69 @8638 has 1 MA's), (138, 8872), (144, 8887), (149, 8902), (154, 8932), (162, 8956), (166, 8971), (168, 8977), (182, 9016), (185, 9028), (188, 9043), (204, 9100), (206, 9115), (213, 9139), (220, 9169),

Gene: TMaxx_14 Start: 8024, Stop: 8605, Start Num: 62

Candidate Starts for TMaxx_14:

(Start: 62 @8024 has 7 MA's), (73, 8051), (189, 8447),

Gene: TZGordon_19 Start: 10836, Stop: 11426, Start Num: 75

Candidate Starts for TZGordon_19:

(Start: 75 @10836 has 10 MA's), (87, 10869), (97, 10902), (102, 10920), (152, 11121), (184, 11232), (185, 11235), (192, 11262), (209, 11334),

Gene: Tachez_18 Start: 10467, Stop: 11081, Start Num: 36

Candidate Starts for Tachez_18:

(Start: 36 @10467 has 203 MA's), (Start: 69 @10512 has 1 MA's), (111, 10635), (125, 10689), (138, 10746), (144, 10761), (166, 10845), (168, 10851), (182, 10890), (185, 10902), (192, 10929), (204, 10974), (206, 10989), (213, 11013),

Gene: Taheera_13 Start: 9846, Stop: 10466, Start Num: 36

Candidate Starts for Taheera_13:

(Start: 36 @9846 has 203 MA's), (77, 9921), (114, 10035), (138, 10131), (144, 10146), (149, 10161), (154, 10191), (166, 10230), (173, 10254), (177, 10263), (182, 10275), (195, 10326), (197, 10332), (203, 10356), (206, 10374), (213, 10398),

Gene: TaiwanKao_19 Start: 10474, Stop: 11088, Start Num: 36

Candidate Starts for TaiwanKao_19:

(Start: 36 @10474 has 203 MA's), (Start: 69 @10519 has 1 MA's), (111, 10642), (125, 10696), (138, 10753), (144, 10768), (166, 10852), (168, 10858), (182, 10897), (185, 10909), (192, 10936), (204, 10981), (206, 10996), (213, 11020), (230, 11077),

Gene: Tallboi_13 Start: 9476, Stop: 10027, Start Num: 56

Candidate Starts for Tallboi_13:

(Start: 56 @9476 has 205 MA's), (145, 9719), (153, 9755), (211, 9959),

Gene: Taquito_17 Start: 11314, Stop: 11925, Start Num: 39

Candidate Starts for Taquito_17:

(Start: 39 @11314 has 47 MA's), (Start: 78 @11380 has 1 MA's), (80, 11386), (97, 11434), (114, 11491), (116, 11497), (122, 11518), (125, 11530), (138, 11587), (144, 11602), (149, 11617), (166, 11686), (168, 11692), (188, 11758), (204, 11815), (206, 11830), (213, 11854), (220, 11884),

Gene: Tarzan_12 Start: 7931, Stop: 8497, Start Num: 56

Candidate Starts for Tarzan_12:

(Start: 56 @7931 has 205 MA's), (97, 8030), (140, 8186), (177, 8291), (184, 8309), (198, 8363),

Gene: TaylorSipht_13 Start: 8839, Stop: 9423, Start Num: 56

Candidate Starts for TaylorSipht_13:

(Start: 56 @8839 has 205 MA's), (97, 8938), (192, 9271), (217, 9376), (221, 9388),

Gene: Tbone_13 Start: 9461, Stop: 10012, Start Num: 56

Candidate Starts for Tbone_13:

(Start: 56 @9461 has 205 MA's), (150, 9725), (151, 9728), (153, 9740), (211, 9944),

Gene: Teagster_11 Start: 8161, Stop: 8745, Start Num: 56

Candidate Starts for Teagster_11:

(Start: 56 @8161 has 205 MA's), (Start: 69 @8182 has 1 MA's), (154, 8467), (166, 8506), (190, 8584),

Gene: Teejan_14 Start: 9777, Stop: 10388, Start Num: 36

Candidate Starts for Teejan_14:

(Start: 36 @9777 has 203 MA's), (Start: 56 @9798 has 205 MA's), (Start: 69 @9819 has 1 MA's), (111, 9942), (114, 9957), (125, 9996), (138, 10053), (144, 10068), (154, 10113), (166, 10152), (168, 10158), (182, 10197), (185, 10209), (204, 10281), (206, 10296), (213, 10320), (220, 10350),

Gene: Terror_13 Start: 9846, Stop: 10466, Start Num: 36

Candidate Starts for Terror_13:

(Start: 36 @9846 has 203 MA's), (77, 9921), (114, 10035), (138, 10131), (144, 10146), (149, 10161), (154, 10191), (166, 10230), (173, 10254), (177, 10263), (182, 10275), (195, 10326), (197, 10332), (203, 10356), (206, 10374), (213, 10398),

Gene: TforTroy_13 Start: 9590, Stop: 10141, Start Num: 56

Candidate Starts for TforTroy_13:

(Start: 56 @9590 has 205 MA's), (96, 9677), (145, 9833),

Gene: ThursdayNight_12 Start: 7964, Stop: 8515, Start Num: 56

Candidate Starts for ThursdayNight_12:

(Start: 56 @7964 has 205 MA's), (79, 8009), (130, 8159), (151, 8231), (200, 8396), (212, 8450),

Gene: Thyatira_16 Start: 10529, Stop: 11140, Start Num: 36

Candidate Starts for Thyatira_16:

(Start: 36 @10529 has 203 MA's), (Start: 69 @10574 has 1 MA's), (85, 10616), (125, 10751), (138, 10808), (144, 10823), (149, 10838), (166, 10907), (168, 10913), (182, 10952), (185, 10964), (188, 10979), (200, 11018), (204, 11036), (206, 11051), (213, 11075), (220, 11105),

Gene: Tian_13 Start: 9490, Stop: 10041, Start Num: 56

Candidate Starts for Tian_13:

(Start: 56 @9490 has 205 MA's), (145, 9733), (150, 9754),

Gene: Tierra_17 Start: 10220, Stop: 10834, Start Num: 36

Candidate Starts for Tierra_17:

(Start: 36 @10220 has 203 MA's), (47, 10232), (Start: 69 @10265 has 1 MA's), (125, 10442), (138, 10499), (144, 10514), (149, 10529), (154, 10559), (166, 10598), (168, 10604), (192, 10682), (206, 10742), (214, 10769),

Gene: Tigress9_17 Start: 9483, Stop: 10097, Start Num: 36

Candidate Starts for Tigress9_17:

(Start: 36 @9483 has 203 MA's), (Start: 69 @9528 has 1 MA's), (125, 9705), (138, 9762), (144, 9777), (149, 9792), (154, 9822), (166, 9861), (168, 9867), (206, 10005), (214, 10032), (227, 10080),

Gene: TinaBug_13 Start: 9849, Stop: 10463, Start Num: 36

Candidate Starts for TinaBug_13:

(Start: 36 @9849 has 203 MA's), (Start: 69 @9894 has 1 MA's), (77, 9918), (111, 10017), (114, 10032), (138, 10128), (144, 10143), (149, 10158), (150, 10167), (154, 10188), (166, 10227), (173, 10251), (177, 10260), (182, 10272), (197, 10329), (204, 10356), (206, 10371), (213, 10395),

Gene: TinaLin_20 Start: 11401, Stop: 11997, Start Num: 75

Candidate Starts for TinaLin_20:

(Start: 75 @11401 has 10 MA's), (102, 11485), (108, 11509), (121, 11563), (152, 11686), (184, 11797), (185, 11800), (186, 11809), (192, 11827), (202, 11866), (216, 11917),

Gene: TingHuaYa_18 Start: 9532, Stop: 10146, Start Num: 39

Candidate Starts for TingHuaYa_18:

(Start: 39 @9532 has 47 MA's), (Start: 69 @9577 has 1 MA's), (114, 9715), (125, 9754), (138, 9811), (149, 9841), (154, 9871), (166, 9910), (168, 9916), (182, 9955), (204, 10039), (213, 10078), (220, 10108), (227, 10129),

Gene: TiniBug_18 Start: 10446, Stop: 11060, Start Num: 36

Candidate Starts for TiniBug_18:

(Start: 36 @10446 has 203 MA's), (53, 10464), (Start: 69 @10491 has 1 MA's), (125, 10668), (138, 10725), (144, 10740), (149, 10755), (154, 10785), (166, 10824), (168, 10830), (182, 10869), (185, 10881), (192, 10908), (204, 10953), (206, 10968), (213, 10992),

Gene: Tiri_18 Start: 10513, Stop: 11127, Start Num: 36

Candidate Starts for Tiri_18:

(Start: 36 @10513 has 203 MA's), (Start: 69 @10558 has 1 MA's), (111, 10681), (125, 10735), (138, 10792), (144, 10807), (166, 10891), (168, 10897), (182, 10936), (185, 10948), (192, 10975), (204, 11020), (206, 11035), (213, 11059),

Gene: Toad24_14 Start: 8961, Stop: 9545, Start Num: 56

Candidate Starts for Toad24_14:

(Start: 56 @8961 has 205 MA's), (201, 9429), (217, 9498), (221, 9510),

Gene: Toast_14 Start: 8626, Stop: 9306, Start Num: 42

Candidate Starts for Toast_14:

(Start: 42 @8626 has 1 MA's), (Start: 57 @8653 has 4 MA's), (Start: 60 @8656 has 39 MA's), (93, 8746), (97, 8761), (124, 8863), (134, 8911), (154, 8989), (161, 9013), (173, 9043), (182, 9061), (205, 9157), (228, 9241),

Gene: TomBrady_13 Start: 9855, Stop: 10469, Start Num: 36

Candidate Starts for TomBrady_13:

(Start: 36 @9855 has 203 MA's), (Start: 69 @9900 has 1 MA's), (77, 9924), (106, 10002), (111, 10023), (114, 10038), (138, 10134), (144, 10149), (150, 10173), (154, 10194), (166, 10233), (173, 10257), (177, 10266), (182, 10278), (197, 10335), (204, 10362), (206, 10377), (213, 10401),

Gene: Topper_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Topper_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: Torres_14 Start: 9777, Stop: 10388, Start Num: 36

Candidate Starts for Torres_14:

(Start: 36 @9777 has 203 MA's), (Start: 56 @9798 has 205 MA's), (Start: 69 @9819 has 1 MA's), (111, 9942), (114, 9957), (125, 9996), (138, 10053), (144, 10068), (154, 10113), (166, 10152), (168, 10158), (182, 10197), (185, 10209), (204, 10281), (206, 10296), (213, 10320), (220, 10350),

Gene: TreyKay_18 Start: 10468, Stop: 11082, Start Num: 36

Candidate Starts for TreyKay_18:

(Start: 36 @10468 has 203 MA's), (Start: 69 @10513 has 1 MA's), (111, 10636), (125, 10690), (138, 10747), (144, 10762), (166, 10846), (168, 10852), (182, 10891), (185, 10903), (204, 10975), (206, 10990), (213, 11014), (230, 11071),

Gene: TribelTrouble_16 Start: 10378, Stop: 10989, Start Num: 36

Candidate Starts for TribelTrouble_16:

(Start: 36 @10378 has 203 MA's), (Start: 69 @10423 has 1 MA's), (125, 10600), (138, 10657), (144, 10672), (154, 10717), (166, 10756), (168, 10762), (169, 10765), (185, 10813), (188, 10828), (204, 10885), (206, 10900), (213, 10924),

Gene: Trice_14 Start: 9777, Stop: 10388, Start Num: 36

Candidate Starts for Trice_14:

(Start: 36 @9777 has 203 MA's), (Start: 56 @9798 has 205 MA's), (Start: 69 @9819 has 1 MA's), (111, 9942), (114, 9957), (125, 9996), (138, 10053), (144, 10068), (154, 10113), (166, 10152), (168, 10158), (182, 10197), (185, 10209), (204, 10281), (206, 10296), (213, 10320), (220, 10350),

Gene: Trine_11 Start: 7558, Stop: 8103, Start Num: 56

Candidate Starts for Trine_11:

(Start: 56 @7558 has 205 MA's), (89, 7630), (101, 7669), (133, 7792), (140, 7813),

Gene: TripleC_17 Start: 11530, Stop: 12108, Start Num: 62

Candidate Starts for TripleC_17:

(Start: 62 @11530 has 7 MA's), (73, 11557), (189, 11953), (215, 12058),

Gene: TruffulaTree_18 Start: 10501, Stop: 11115, Start Num: 36

Candidate Starts for TruffulaTree_18:

(Start: 36 @10501 has 203 MA's), (Start: 69 @10546 has 1 MA's), (111, 10669), (125, 10723), (138, 10780), (144, 10795), (166, 10879), (168, 10885), (182, 10924), (185, 10936), (192, 10963), (204, 11008), (206, 11023), (213, 11047), (230, 11104),

Gene: Tuck_14 Start: 10510, Stop: 11061, Start Num: 56

Candidate Starts for Tuck_14:

(Start: 56 @10510 has 205 MA's), (150, 10774), (153, 10789),

Gene: Turab_13 Start: 9478, Stop: 10029, Start Num: 56

Candidate Starts for Turab_13:

(Start: 56 @9478 has 205 MA's), (112, 9595), (145, 9721), (150, 9742), (153, 9757), (211, 9961),

Gene: Tutumahutu_13 Start: 9518, Stop: 10069, Start Num: 56

Candidate Starts for Tutumahutu_13:

(Start: 56 @9518 has 205 MA's), (145, 9761), (150, 9782), (153, 9797), (211, 10001),

Gene: Tweety19_13 Start: 8558, Stop: 9109, Start Num: 56

Candidate Starts for Tweety19_13:

(Start: 56 @8558 has 205 MA's), (130, 8753), (145, 8801), (197, 8981),

Gene: Twitch_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Twitch_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (111, 10709), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: Typha_19 Start: 12487, Stop: 13128, Start Num: 29

Candidate Starts for Typha_19:

(Start: 29 @12487 has 2 MA's), (44, 12517), (Start: 62 @12547 has 7 MA's), (80, 12592), (128, 12763), (145, 12814), (149, 12826), (154, 12856), (182, 12940), (189, 12970), (204, 13024), (228, 13117),

Gene: Ubuntu_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for Ubuntu_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295), (191, 10337), (211, 10418),

Gene: UmaThurman_14 Start: 8786, Stop: 9424, Start Num: 60

Candidate Starts for UmaThurman_14:

(Start: 57 @8783 has 4 MA's), (Start: 60 @8786 has 39 MA's), (93, 8876), (97, 8891), (135, 9044), (154, 9119), (161, 9143), (182, 9191), (197, 9248), (205, 9287), (228, 9371), (233, 9407),

Gene: Unicorn_17 Start: 9556, Stop: 10170, Start Num: 36

Candidate Starts for Unicorn_17:

(Start: 36 @9556 has 203 MA's), (47, 9568), (Start: 69 @9601 has 1 MA's), (125, 9778), (138, 9835), (144, 9850), (149, 9865), (154, 9895), (166, 9934), (168, 9940), (185, 9991), (192, 10018), (206, 10078), (214, 10105),

Gene: Upyo_11 Start: 7576, Stop: 8118, Start Num: 56

Candidate Starts for Upyo_11:

(Start: 48 @7564 has 2 MA's), (Start: 56 @7576 has 205 MA's), (133, 7810), (140, 7831), (169, 7909), (171, 7915), (223, 8107),

Gene: Urkel_18 Start: 10446, Stop: 11060, Start Num: 36

Candidate Starts for Urkel_18:

(Start: 36 @10446 has 203 MA's), (53, 10464), (Start: 69 @10491 has 1 MA's), (125, 10668), (138, 10725), (144, 10740), (149, 10755), (154, 10785), (166, 10824), (168, 10830), (182, 10869), (185, 10881), (192, 10908), (204, 10953), (206, 10968), (213, 10992),

Gene: Utz_14 Start: 8653, Stop: 9291, Start Num: 60

Candidate Starts for Utz_14:

(Start: 57 @8650 has 4 MA's), (Start: 60 @8653 has 39 MA's), (93, 8743), (97, 8758), (135, 8911), (154, 8986), (161, 9010), (182, 9058), (197, 9115), (205, 9154), (228, 9238), (233, 9274),

Gene: UtzChips_11 Start: 8624, Stop: 9187, Start Num: 56

Candidate Starts for UtzChips_11:

(Start: 56 @8624 has 205 MA's), (112, 8741), (197, 9047), (217, 9134),

Gene: VResidence_13 Start: 9552, Stop: 10100, Start Num: 56

Candidate Starts for VResidence_13:

(53, 9546), (Start: 56 @9552 has 205 MA's), (212, 10038),

Gene: VWB_13 Start: 8668, Stop: 9222, Start Num: 56

Candidate Starts for VWB_13:

(Start: 56 @8668 has 205 MA's), (130, 8860), (151, 8932), (159, 8965), (187, 9052), (192, 9067),

Gene: Validus_18 Start: 9492, Stop: 10103, Start Num: 39

Candidate Starts for Validus_18:

(Start: 39 @9492 has 47 MA's), (Start: 69 @9534 has 1 MA's), (94, 9603), (97, 9615), (114, 9672), (125, 9711), (138, 9768), (144, 9783), (154, 9828), (166, 9867), (168, 9873), (169, 9876), (182, 9912),

(188, 9939), (204, 9996), (214, 10038),

Gene: Veliki_18 Start: 10544, Stop: 11155, Start Num: 36

Candidate Starts for Veliki_18:

(Start: 36 @10544 has 203 MA's), (Start: 69 @10586 has 1 MA's), (125, 10763), (138, 10820), (144, 10835), (166, 10919), (168, 10925), (182, 10964), (185, 10976), (192, 11003), (204, 11048), (206, 11063), (213, 11087), (230, 11144),

Gene: Vendetta_17 Start: 10694, Stop: 11284, Start Num: 75

Candidate Starts for Vendetta_17:

(Start: 75 @10694 has 10 MA's), (87, 10727), (97, 10760), (102, 10778), (121, 10856), (184, 11090), (185, 11093), (192, 11120), (209, 11192),

Gene: Vitas_11 Start: 8096, Stop: 8680, Start Num: 56

Candidate Starts for Vitas_11:

(Start: 56 @8096 has 205 MA's), (Start: 61 @8102 has 1 MA's), (Start: 69 @8117 has 1 MA's), (71, 8123), (114, 8255), (154, 8408), (155, 8414), (166, 8447), (189, 8522), (191, 8528), (193, 8534),

Gene: ViviJ_15 Start: 10385, Stop: 10996, Start Num: 36

Candidate Starts for ViviJ_15:

(Start: 36 @10385 has 203 MA's), (Start: 69 @10430 has 1 MA's), (125, 10607), (138, 10664), (144, 10679), (149, 10694), (166, 10763), (168, 10769), (182, 10808), (188, 10835), (204, 10892), (206, 10907), (213, 10931), (220, 10961),

Gene: Volt_47 Start: 17900, Stop: 18457, Start Num: 65

Candidate Starts for Volt_47:

(Start: 65 @17900 has 14 MA's), (72, 17918), (94, 17981), (154, 18206), (165, 18224), (168, 18233), (182, 18272), (185, 18284), (205, 18371),

Gene: VroomVroom_12 Start: 7705, Stop: 8259, Start Num: 56

Candidate Starts for VroomVroom_12:

(Start: 56 @7705 has 205 MA's), (79, 7750), (153, 7984),

Gene: Walrus_15 Start: 8881, Stop: 9519, Start Num: 60

Candidate Starts for Walrus_15:

(Start: 57 @8878 has 4 MA's), (Start: 60 @8881 has 39 MA's), (93, 8971), (97, 8986), (115, 9052), (135, 9139), (154, 9214), (161, 9238), (182, 9286), (197, 9343), (205, 9382), (228, 9466), (233, 9502),

Gene: Warda_13 Start: 9464, Stop: 10015, Start Num: 56

Candidate Starts for Warda_13:

(Start: 56 @9464 has 205 MA's), (150, 9728), (151, 9731), (153, 9743), (211, 9947),

Gene: Waterfoul_16 Start: 10551, Stop: 11162, Start Num: 36

Candidate Starts for Waterfoul_16:

(Start: 36 @10551 has 203 MA's), (Start: 69 @10596 has 1 MA's), (85, 10638), (125, 10773), (138, 10830), (144, 10845), (149, 10860), (166, 10929), (168, 10935), (182, 10974), (185, 10986), (188, 11001), (200, 11040), (204, 11058), (206, 11073), (213, 11097), (220, 11127),

Gene: Webster2_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for Webster2_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295), (191, 10337), (211, 10418),

Gene: Weirido19_13 Start: 8705, Stop: 9247, Start Num: 56

Candidate Starts for Weirido19_13:

(Start: 56 @8705 has 205 MA's), (96, 8807), (101, 8822), (113, 8855), (147, 8981), (170, 9041), (171, 9044), (174, 9056), (194, 9122), (201, 9149), (211, 9191), (213, 9197),

Gene: Wendigo_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Wendigo_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Westrich_14 Start: 8949, Stop: 9533, Start Num: 56

Candidate Starts for Westrich_14:

(Start: 56 @8949 has 205 MA's), (201, 9417), (217, 9486), (221, 9498),

Gene: WheatThin_16 Start: 9700, Stop: 10245, Start Num: 56

Candidate Starts for WheatThin_16:

(Start: 56 @9700 has 205 MA's), (Start: 69 @9721 has 1 MA's), (221, 10225),

Gene: Whitney_13 Start: 7496, Stop: 8068, Start Num: 63

Candidate Starts for Whitney_13:

(Start: 63 @7496 has 22 MA's), (72, 7517), (79, 7538), (85, 7550), (128, 7709), (143, 7751), (151, 7784), (207, 7973), (231, 8057),

Gene: Widow_11 Start: 7558, Stop: 8103, Start Num: 56

Candidate Starts for Widow_11:

(Start: 56 @7558 has 205 MA's), (140, 7813), (150, 7849), (194, 7975), (198, 7987), (199, 7990),

Gene: Wildwest_14 Start: 10387, Stop: 10935, Start Num: 56

Candidate Starts for Wildwest_14:

(53, 10381), (Start: 56 @10387 has 205 MA's), (150, 10651), (188, 10780), (207, 10855),

Gene: William_14 Start: 8602, Stop: 9252, Start Num: 60

Candidate Starts for William_14:

(Start: 42 @8572 has 1 MA's), (Start: 57 @8599 has 4 MA's), (Start: 60 @8602 has 39 MA's), (93, 8692), (97, 8707), (124, 8809), (134, 8857), (154, 8935), (161, 8959), (173, 8989), (182, 9007), (205, 9103), (228, 9187),

Gene: Wintermute_19 Start: 11716, Stop: 12327, Start Num: 39

Candidate Starts for Wintermute_19:

(Start: 39 @11716 has 47 MA's), (Start: 78 @11782 has 1 MA's), (80, 11788), (97, 11836), (114, 11893), (116, 11899), (122, 11920), (125, 11932), (138, 11989), (144, 12004), (166, 12088), (168, 12094), (182, 12133), (185, 12145), (188, 12160), (204, 12217), (206, 12232), (213, 12256), (220, 12286),

Gene: Wishmaker_15 Start: 9938, Stop: 10477, Start Num: 56

Candidate Starts for Wishmaker_15:

(Start: 56 @9938 has 205 MA's), (Start: 69 @9959 has 1 MA's), (70, 9962), (71, 9965), (79, 9983), (101, 10049), (114, 10085), (133, 10166), (144, 10199), (150, 10223), (171, 10271), (180, 10295), (191, 10337), (211, 10418),

Gene: Wisp_13 Start: 8419, Stop: 9057, Start Num: 60

Candidate Starts for Wisp_13:

(Start: 57 @8416 has 4 MA's), (Start: 60 @8419 has 39 MA's), (93, 8509), (97, 8524), (115, 8590), (135, 8677), (154, 8752), (161, 8776), (182, 8824), (197, 8881), (205, 8920), (228, 9004), (233, 9040),

Gene: Wizzo_11 Start: 7174, Stop: 7815, Start Num: 67

Candidate Starts for Wizzo_11:

(Start: 40 @7126 has 1 MA's), (41, 7132), (43, 7135), (50, 7150), (55, 7156), (Start: 59 @7162 has 12 MA's), (Start: 65 @7171 has 14 MA's), (Start: 67 @7174 has 29 MA's), (100, 7267), (123, 7354), (130, 7390), (182, 7543), (183, 7546), (197, 7600), (205, 7639), (209, 7654), (211, 7660), (222, 7702), (227, 7720),

Gene: Wocket_15 Start: 8904, Stop: 9542, Start Num: 60

Candidate Starts for Wocket_15:

(Start: 57 @8901 has 4 MA's), (Start: 60 @8904 has 39 MA's), (93, 8994), (97, 9009), (115, 9075), (146, 9195), (154, 9237), (161, 9261), (182, 9309), (205, 9405), (228, 9489), (233, 9525),

Gene: Ximenita_18 Start: 9678, Stop: 10292, Start Num: 36

Candidate Starts for Ximenita_18:

(Start: 36 @9678 has 203 MA's), (Start: 69 @9723 has 1 MA's), (125, 9900), (138, 9957), (144, 9972), (149, 9987), (154, 10017), (166, 10056), (168, 10062), (185, 10113), (206, 10200), (214, 10227), (227, 10275),

Gene: Y10_19 Start: 11716, Stop: 12327, Start Num: 39

Candidate Starts for Y10_19:

(Start: 39 @11716 has 47 MA's), (Start: 78 @11782 has 1 MA's), (80, 11788), (97, 11836), (114, 11893), (116, 11899), (122, 11920), (125, 11932), (144, 12004), (166, 12088), (168, 12094), (182, 12133), (185, 12145), (188, 12160), (204, 12217), (206, 12232), (213, 12256), (220, 12286),

Gene: Y2_19 Start: 11716, Stop: 12327, Start Num: 39

Candidate Starts for Y2_19:

(Start: 39 @11716 has 47 MA's), (Start: 78 @11782 has 1 MA's), (80, 11788), (97, 11836), (114, 11893), (116, 11899), (122, 11920), (125, 11932), (144, 12004), (166, 12088), (168, 12094), (182, 12133), (185, 12145), (188, 12160), (204, 12217), (206, 12232), (213, 12256), (220, 12286),

Gene: Yang_13 Start: 9560, Stop: 10111, Start Num: 56

Candidate Starts for Yang_13:

(Start: 56 @9560 has 205 MA's), (96, 9647), (212, 10046),

Gene: YangYin_13 Start: 10149, Stop: 10772, Start Num: 36

Candidate Starts for YangYin_13:

(Start: 36 @10149 has 203 MA's), (53, 10176), (77, 10227), (97, 10284), (111, 10326), (114, 10341), (138, 10437), (144, 10452), (150, 10476), (154, 10497), (166, 10536), (173, 10560), (188, 10608), (197, 10638), (206, 10680), (213, 10704),

Gene: YasnayaPolyana_19 Start: 11717, Stop: 12328, Start Num: 39

Candidate Starts for YasnayaPolyana_19:

(Start: 39 @11717 has 47 MA's), (Start: 78 @11783 has 1 MA's), (80, 11789), (97, 11837), (114, 11894), (116, 11900), (122, 11921), (125, 11933), (138, 11990), (144, 12005), (166, 12089), (168, 12095), (182, 12134), (185, 12146), (188, 12161), (204, 12218), (206, 12233), (213, 12257), (220, 12287),

Gene: YesChef_13 Start: 9518, Stop: 10069, Start Num: 56

Candidate Starts for YesChef_13:

(Start: 56 @9518 has 205 MA's), (145, 9761), (150, 9782), (153, 9797), (211, 10001),

Gene: Yoshi_14 Start: 7678, Stop: 8271, Start Num: 65

Candidate Starts for Yoshi_14:

(Start: 65 @7678 has 14 MA's), (72, 7696), (111, 7813), (121, 7852), (136, 7918), (149, 7951), (151, 7963), (155, 7987), (182, 8059), (184, 8068), (186, 8080), (189, 8092), (197, 8116), (201, 8134),

Gene: YoureAdopted_17 Start: 10477, Stop: 11088, Start Num: 36

Candidate Starts for YoureAdopted_17:

(Start: 36 @10477 has 203 MA's), (Start: 69 @10519 has 1 MA's), (111, 10642), (125, 10696), (138, 10753), (144, 10768), (166, 10852), (168, 10858), (182, 10897), (185, 10909), (192, 10936), (204, 10981), (206, 10996), (213, 11020), (230, 11077),

Gene: Yuna_18 Start: 9613, Stop: 10227, Start Num: 39

Candidate Starts for Yuna_18:

(Start: 39 @9613 has 47 MA's), (Start: 69 @9658 has 1 MA's), (125, 9835), (138, 9892), (149, 9922), (154, 9952), (166, 9991), (168, 9997), (182, 10036), (185, 10048), (202, 10114), (213, 10159), (220, 10189), (227, 10210),

Gene: Yunkel11_18 Start: 9455, Stop: 10069, Start Num: 39

Candidate Starts for Yunkel11_18:

(Start: 39 @9455 has 47 MA's), (114, 9638), (125, 9677), (138, 9734), (149, 9764), (154, 9794), (166, 9833), (168, 9839), (182, 9878), (185, 9890), (204, 9962), (213, 10001), (220, 10031), (227, 10052),

Gene: Zabiza_18 Start: 10502, Stop: 11116, Start Num: 36

Candidate Starts for Zabiza_18:

(Start: 36 @10502 has 203 MA's), (Start: 69 @10547 has 1 MA's), (111, 10670), (125, 10724), (138, 10781), (144, 10796), (166, 10880), (168, 10886), (182, 10925), (185, 10937), (192, 10964), (204, 11009), (206, 11024), (213, 11048), (230, 11105),

Gene: Zapner_15 Start: 8203, Stop: 8796, Start Num: 65

Candidate Starts for Zapner_15:

(Start: 65 @8203 has 14 MA's), (72, 8221), (111, 8338), (121, 8377), (136, 8443), (149, 8476), (151, 8488), (155, 8512), (182, 8584), (184, 8593), (186, 8605), (189, 8617), (197, 8641), (201, 8659),

Gene: Zarbodnamra_14 Start: 8678, Stop: 9316, Start Num: 60

Candidate Starts for Zarbodnamra_14:

(Start: 57 @8675 has 4 MA's), (Start: 60 @8678 has 39 MA's), (93, 8768), (97, 8783), (135, 8936), (154, 9011), (161, 9035), (182, 9083), (197, 9140), (205, 9179), (228, 9263), (233, 9299),

Gene: Zavala_18 Start: 10483, Stop: 11097, Start Num: 36

Candidate Starts for Zavala_18:

(Start: 36 @10483 has 203 MA's), (Start: 69 @10528 has 1 MA's), (111, 10651), (125, 10705), (138, 10762), (144, 10777), (166, 10861), (168, 10867), (182, 10906), (185, 10918), (192, 10945), (204, 10990), (206, 11005), (213, 11029), (230, 11086),

Gene: Zeta1847_11 Start: 7708, Stop: 8262, Start Num: 56

Candidate Starts for Zeta1847_11:

(Start: 56 @7708 has 205 MA's), (112, 7825), (151, 7975),

Gene: Zhuangyuan_14 Start: 9137, Stop: 9718, Start Num: 56

Candidate Starts for Zhuangyuan_14:

(Start: 56 @9137 has 205 MA's), (Start: 69 @9158 has 1 MA's), (154, 9446), (182, 9530), (192, 9569), (201, 9605), (207, 9632), (228, 9704),

Gene: ZiggyZoo_13 Start: 8448, Stop: 9086, Start Num: 60

Candidate Starts for ZiggyZoo_13:

(Start: 57 @8445 has 4 MA's), (Start: 60 @8448 has 39 MA's), (93, 8538), (97, 8553), (115, 8619), (135, 8706), (154, 8781), (161, 8805), (182, 8853), (197, 8910), (205, 8949), (228, 9033), (233, 9069),

Gene: Ziko_48 Start: 17840, Stop: 18397, Start Num: 65

Candidate Starts for Ziko_48:

(Start: 65 @17840 has 14 MA's), (72, 17858), (94, 17921), (154, 18146), (165, 18164), (168, 18173), (182, 18212), (185, 18224), (205, 18311),

Gene: Zilla_14 Start: 8728, Stop: 9366, Start Num: 60

Candidate Starts for Zilla_14:

(Start: 57 @8725 has 4 MA's), (Start: 60 @8728 has 39 MA's), (93, 8818), (97, 8833), (115, 8899), (135, 8986), (154, 9061), (161, 9085), (182, 9133), (197, 9190), (205, 9229), (228, 9313), (233, 9349),

Gene: Zixiang_13 Start: 8750, Stop: 9334, Start Num: 56

Candidate Starts for Zixiang_13:

(Start: 56 @8750 has 205 MA's), (154, 9059), (193, 9185), (201, 9218), (217, 9287), (221, 9299),

Gene: ZoMa_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for ZoMa_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),

Gene: Zodiariah_12 Start: 8235, Stop: 8777, Start Num: 56

Candidate Starts for Zodiariah_12:

(Start: 56 @8235 has 205 MA's), (133, 8469), (171, 8574), (221, 8760),

Gene: ZoeJ_14 Start: 8484, Stop: 9104, Start Num: 32

Candidate Starts for ZoeJ_14:

(Start: 32 @8484 has 8 MA's), (Start: 69 @8538 has 1 MA's), (114, 8676), (138, 8772), (144, 8787), (149, 8802), (154, 8832), (166, 8871), (168, 8877), (169, 8880), (182, 8916), (185, 8928), (188, 8943), (204, 9000), (206, 9015), (213, 9039), (229, 9090),

Gene: Zombie_13 Start: 9854, Stop: 10468, Start Num: 36

Candidate Starts for Zombie_13:

(Start: 36 @9854 has 203 MA's), (Start: 69 @9899 has 1 MA's), (77, 9923), (106, 10001), (111, 10022), (114, 10037), (138, 10133), (144, 10148), (150, 10172), (154, 10193), (166, 10232), (173, 10256), (177, 10265), (182, 10277), (197, 10334), (204, 10361), (206, 10376), (213, 10400),