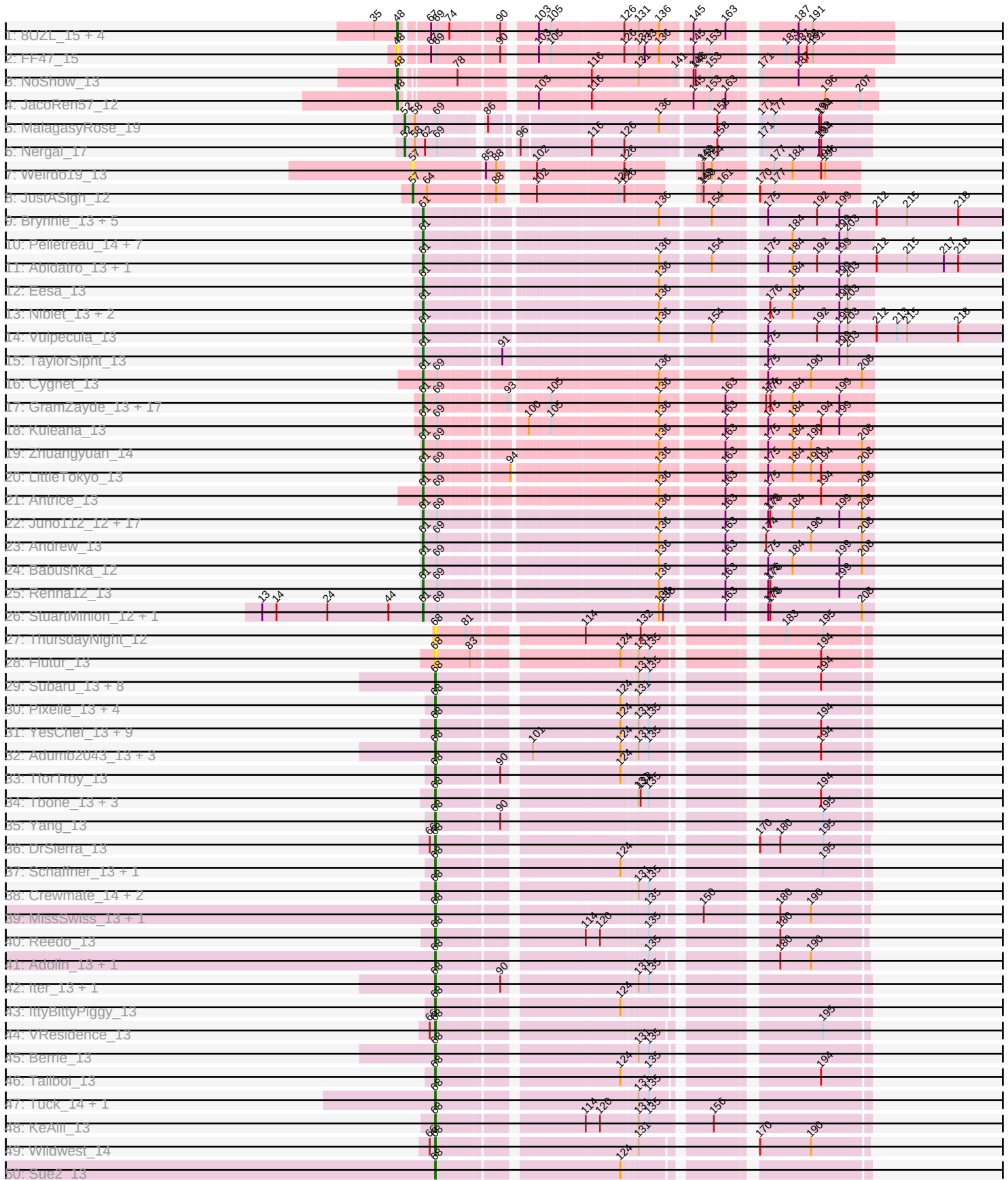
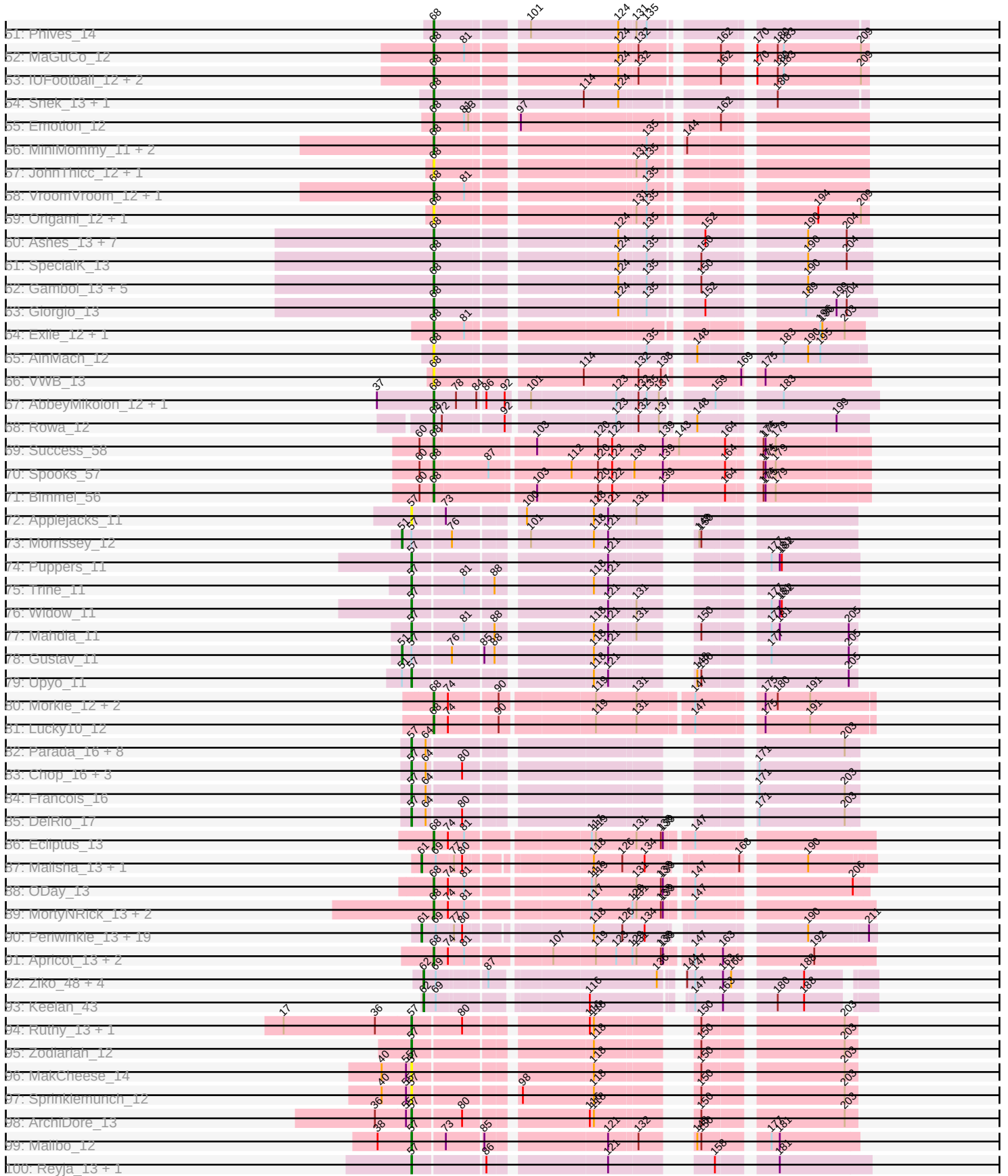
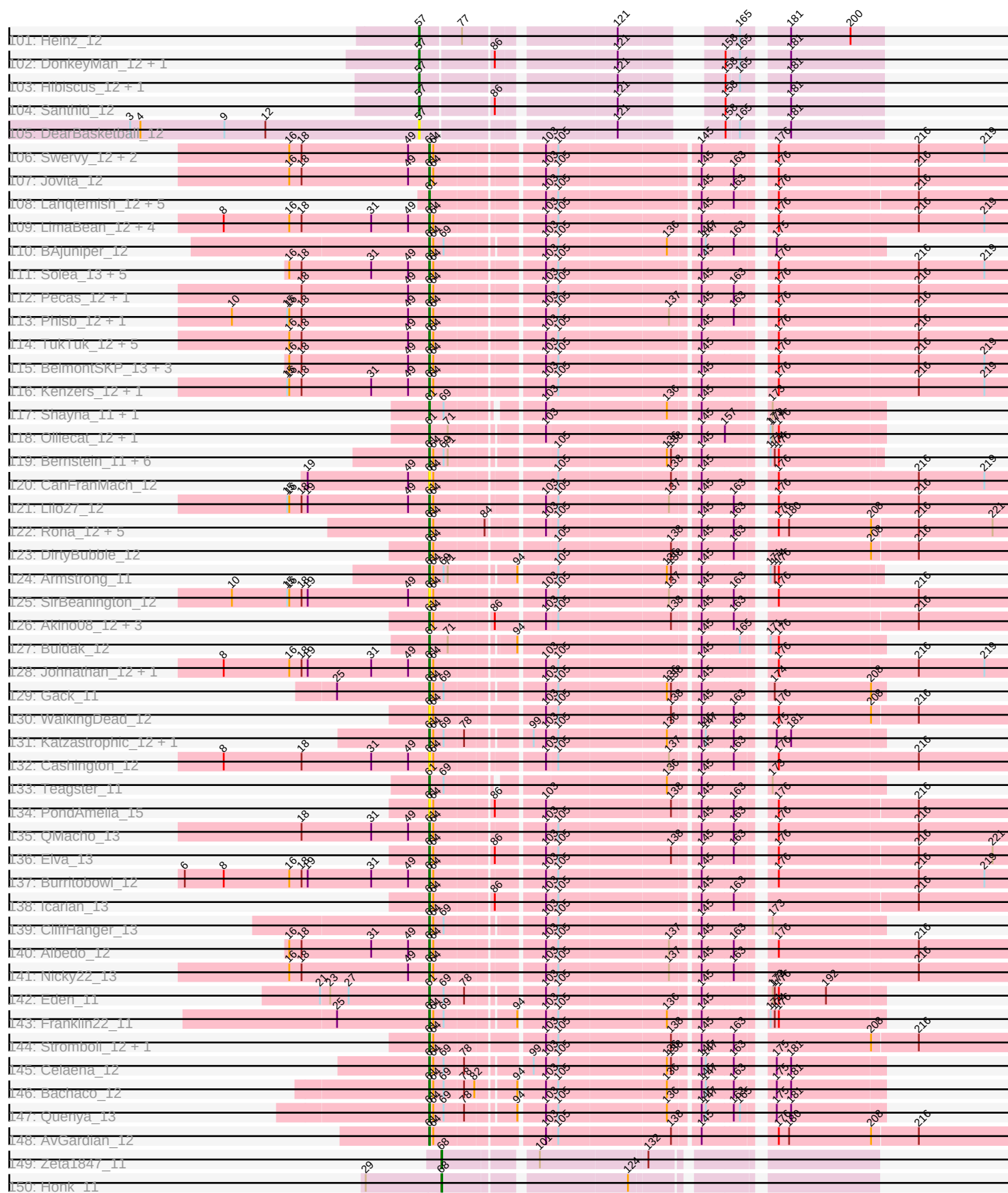


Pham 304570

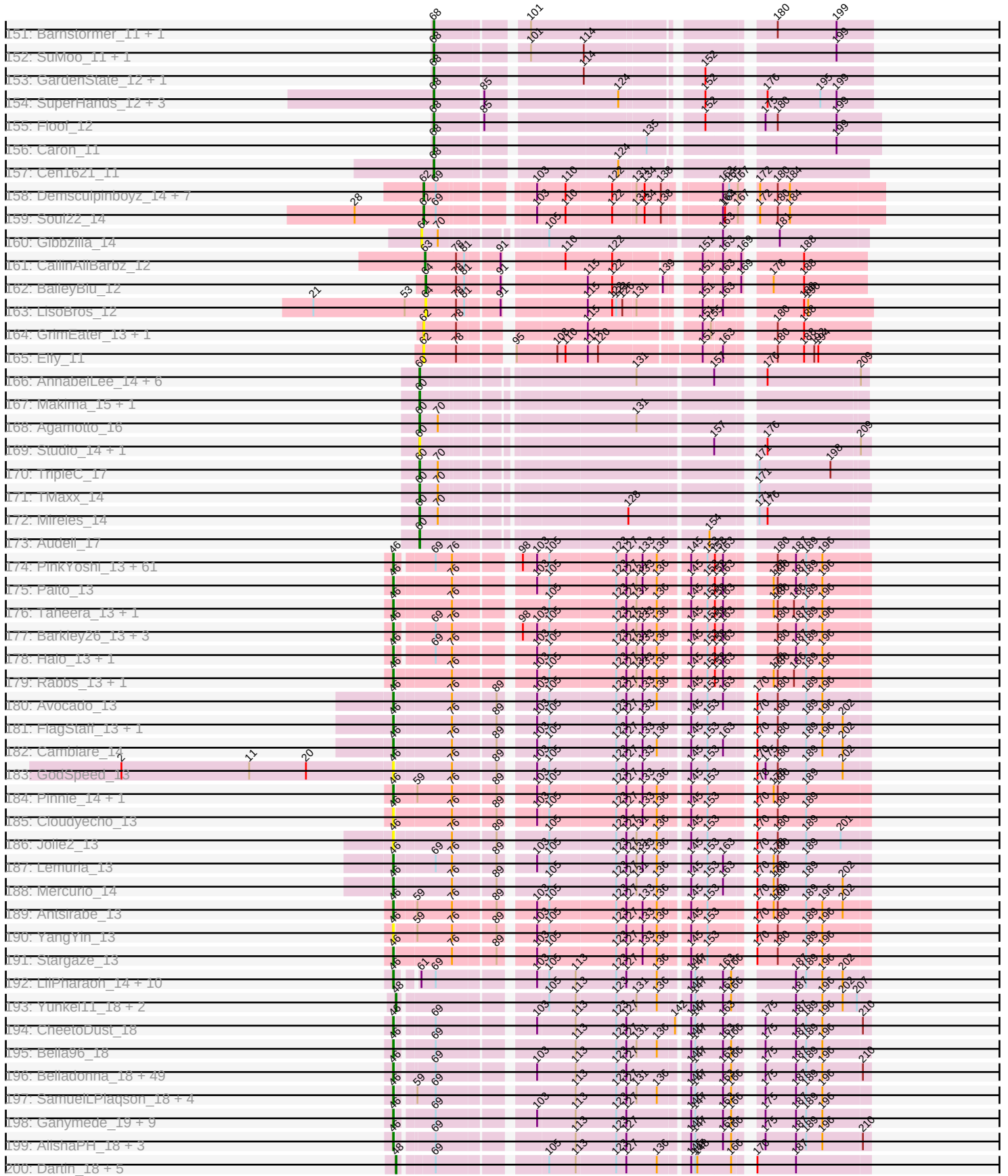


Pham 304570





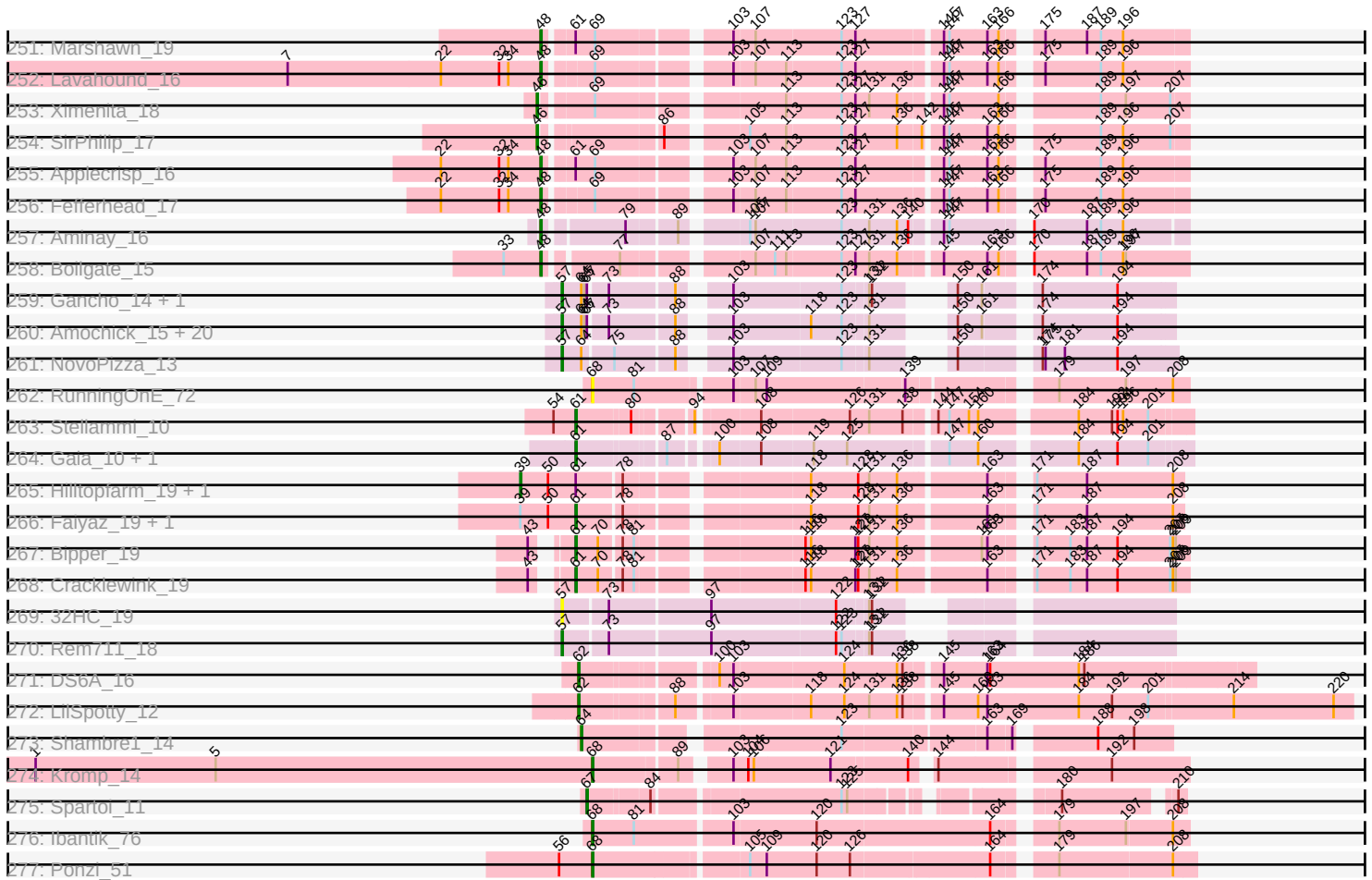
Pham 304570



Pham 304570

[illegible]

Pham 304570



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 304570 Report

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

Pham number 304570 has 746 members, 107 are drafts.

Phages represented in each track:

- Track 1 : 8UZL_15, Maco6_13, LongHai_16, Salvus_16, Muddy_15
- Track 2 : FF47_15
- Track 3 : NoShow_13
- Track 4 : JacoRen57_12
- Track 5 : MalagasyRose_19
- Track 6 : Nergal_17
- Track 7 : Weirido19_13
- Track 8 : JustASigh_12
- Track 9 : Brynnie_13, Chickaboom_12, Ruchi_13, Jamun_13, WileyE_12, Basilisk_13
- Track 10 : Pelletreau_14, Toad24_14, Shen_14, Amanises_14, Orcanus_13, KendraB23_14, Westrich_14, Gravel_14
- Track 11 : Abidatro_13, Galaxy_13
- Track 12 : Eesa_13
- Track 13 : Niblet_13, Chicken_13, Zixiang_13
- Track 14 : Vulpecula_13
- Track 15 : TaylorSipht_13
- Track 16 : Cygnet_13
- Track 17 : GramZayde_13, Pineda_14, Bibble12_14, Jerole_14, Polka_13, Daob_14, Coral_13, Colusalem_13, HannahPhantana_14, OtsoOtso_13, Melons_14, Bedetta_14, Damocles_14, PhirstandPhine_14, Kepler_13, Amelia_14, Cote_14, Lunar_14
- Track 18 : Kuleana_13
- Track 19 : Zhuangyuan_14
- Track 20 : LittleTokyo_13
- Track 21 : Antrice_13
- Track 22 : Juno112_12, Fingolfin_12, Oppalora_12, PhluffyCoco_12, HamCheese_12, Glotell_12, Atlantica_12, RedFox_12, Rattail_12, Amphitrite_12, Leona_12, DanHam62_12, AmiCi24_12, Azaz_12, Camara_12, KHumphrey_12, Laphuphu24k_12, AdoptaAdorbs_12
- Track 23 : Andrew_13
- Track 24 : Babushka_12
- Track 25 : Renna12_13
- Track 26 : StuartMinion_12, AlexMinion_12
- Track 27 : ThursdayNight_12
- Track 28 : Flutur_13

- Track 29 : Subaru_13, Elezi_13, Jstan_13, London_13, Nitro_13, Niobe_13, Eraser_13, Skelbel_13, Asa16_13
- Track 30 : Pixelle_13, Tian_13, Amyev_13, Cassia_13, Pumpkins_13
- Track 31 : YesChef_13, Simpson_14, Joemato_13, JohnDoe_13, Lego_13, Powerpuff_13, Cyan_13, Kaylissa_13, Tutumahutu_13, AGrandiflora_13
- Track 32 : Adumb2043_13, Amploria_13, Turab_13, AEgle_13
- Track 33 : TforTroy_13
- Track 34 : Tbone_13, Warda_13, Lizalica_13, Mudpuppy_13
- Track 35 : Yang_13
- Track 36 : DrSierra_13
- Track 37 : Schaffner_13, JuneStar_13
- Track 38 : Crewmate_14, ObiToo_13, Janeemi_14
- Track 39 : MissSwiss_13, PandaPo_13
- Track 40 : Reedo_13
- Track 41 : Adolin_13, DrManhattan_13
- Track 42 : Iter_13, Ascela_13
- Track 43 : IttyBittyPiggy_13
- Track 44 : VResidence_13
- Track 45 : Berrie_13
- Track 46 : Tallboi_13
- Track 47 : Tuck_14, Community_14
- Track 48 : KeAlii_13
- Track 49 : Wildwest_14
- Track 50 : Sue2_13
- Track 51 : Phives_14
- Track 52 : MaGuCo_12
- Track 53 : IUFootball_12, Liebe_12, Maureen_12
- Track 54 : Snek_13, Tweety19_13
- Track 55 : Emotion_12
- Track 56 : MiniMommy_11, JasmineDragon_12, ShakeItOph_12
- Track 57 : JohnThicc_12, FiveHead_12
- Track 58 : VroomVroom_12, AceofSpades_11
- Track 59 : Origami_12, LadyAstra_12
- Track 60 : Ashes_13, Mysterium_13, Halsey_13, Gumpizza_13, Beaupre_13, RockScotty_13, Stuu_13, Moss_13
- Track 61 : SpecialK_13
- Track 62 : Gambol_13, Sooty_13, Cappuccino_13, Kalimba_13, Donkey_13, Sabourin_13
- Track 63 : Giorgio_13
- Track 64 : Exile_12, Soondubu_12
- Track 65 : AinMach_12
- Track 66 : VWB_13
- Track 67 : AbbeyMikolon_12, Nesbitt_12
- Track 68 : Rowa_12
- Track 69 : Success_58
- Track 70 : Spooks_57
- Track 71 : Bimmel_56
- Track 72 : Applejacks_11
- Track 73 : Morrissey_12
- Track 74 : Puppies_11
- Track 75 : Trine_11
- Track 76 : Widow_11
- Track 77 : Mahdia_11

- Track 78 : Gustav_11
- Track 79 : Upyo_11
- Track 80 : Morkie_12, InLimbo_13, PhorbesPhlower_12
- Track 81 : Lucky10_12
- Track 82 : Parada_16, Bock_16, BetterKatz_16, Nadeem_16, Brylie_16, NancyRae_16, Mulch_16, Pimento_17, WheatThin_16
- Track 83 : Chop_16, GrandSlam_16, Ayotoya_16, Hamood_16
- Track 84 : Francois_16
- Track 85 : DelRio_17
- Track 86 : Ecliptus_13
- Track 87 : Malisha_13, Spooky_13
- Track 88 : ODay_13
- Track 89 : MortyNRick_13, Birdsong_13, BearBQ_13
- Track 90 : Periwinkle_13, Budski_13, Phabuloso_13, Kamaru_13, Squiddly_14, Kenna_13, CheeseTouch_13, Holliday_13, Phistory_13, BotCity_13, Horus_13, BENTherdunthat_13, ShawBrad_13, Frickyeh_13, Getalong_13, Lutum_13, Whitney_13, Leroy_13, LitninMcQueen_13, Asapag_13
- Track 91 : Apricot_13, Crater_13, Kuwabara_13
- Track 92 : Ziko_48, Fryberger_45, Ronaldo_48, Volt_47, Guey18_50
- Track 93 : Keelan_43
- Track 94 : Ruthy_13, DumpsterDude_13
- Track 95 : Zodiariah_12
- Track 96 : MakCheese_14
- Track 97 : Sprinklemunch_12
- Track 98 : ArchiDore_13
- Track 99 : Malibo_12
- Track 100 : Reyja_13, DinoNuggs_13
- Track 101 : Heinz_12
- Track 102 : DonkeyMan_12, Tarzan_12
- Track 103 : Hibiscus_12, Jojo24_12
- Track 104 : Santhid_12
- Track 105 : DearBasketball_12
- Track 106 : Swervy_12, Slay_12, SarBear_12
- Track 107 : Jovita_12
- Track 108 : Lahqtemish_12, Kate33_12, Didgeridoo_13, IndyLu_12, PastaFagioli_12, BabyDaisy_13
- Track 109 : LimaBean_12, Doobus_12, Albright_12, Abigail_12, Avocadoman_12
- Track 110 : BAjuniper_12
- Track 111 : Solea_13, Milomuff_13, SansAfet_12, Softsoap_12, Arroyo_13, PhigPhack_12
- Track 112 : Pecas_12, Eula_12
- Track 113 : Phisb_12, BubbaBear_12
- Track 114 : TukTuk_12, CupcakePrincess_12, AylexOG_13, Finalfrontier_13, Jabb_12, MsUbiquitous_12
- Track 115 : BelmontSKP_13, CroZenni_12, AnnaLie_13, DickRichards_12
- Track 116 : Kenzers_12, Lynlen_12
- Track 117 : Shayna_11, SunnyD_11
- Track 118 : Olliecat_12, Squircle_12
- Track 119 : Bernstein_11, Coltrane_11, Clayda5_11, Rollins_11, Vitas_11, Skylord_11, Brahms_11
- Track 120 : CanFranMach_12
- Track 121 : Lilo27_12

- Track 122 : Rona_12, Dismas_12, Sharkboy_12, Kieran_12, ChiliPepper_12, Kamdara_12
- Track 123 : DirtyBubble_12
- Track 124 : Armstrong_11
- Track 125 : SirBeanington_12
- Track 126 : Akino08_12, Stoor_12, SanaSana_13, Loviatar_12
- Track 127 : Buldak_12
- Track 128 : Johnathan_12, Bengal_12
- Track 129 : Gack_11
- Track 130 : WalkingDead_12
- Track 131 : Katzastrophic_12, FlameThrower_12
- Track 132 : Cashington_12
- Track 133 : Teagster_11
- Track 134 : PondAmelia_15
- Track 135 : QMacho_13
- Track 136 : Elva_13
- Track 137 : Burritobowl_12
- Track 138 : Icarian_13
- Track 139 : CliffHanger_13
- Track 140 : Albedo_12
- Track 141 : Nicky22_13
- Track 142 : Eden_11
- Track 143 : Franklin22_11
- Track 144 : Stromboli_12, BabyYoda_12
- Track 145 : Celaena_12
- Track 146 : Bachaco_12
- Track 147 : Quenya_13
- Track 148 : AvGardian_12
- Track 149 : Zeta1847_11
- Track 150 : Honk_11
- Track 151 : Barnstormer_11, UtzChips_11
- Track 152 : SuMoo_11, Mabodamaca_12
- Track 153 : GardenState_12, IAmGroot_12
- Track 154 : SuperHands_12, Gretchen_12, Forester_12, Percival_12
- Track 155 : Floof_12
- Track 156 : Caron_11
- Track 157 : Cen1621_11
- Track 158 : Demsculpinboyz_14, Avani_14, Che9d_14, Blarby_15, Zapner_15, Jabbawokkie_15, SilverChicken_14, Yoshi_14
- Track 159 : Soul22_14
- Track 160 : Gibbzilla_14
- Track 161 : CallinAllBarbz_12
- Track 162 : BaileyBlu_12
- Track 163 : LisoBros_12
- Track 164 : GrimEater_13, Jankie_14
- Track 165 : Elfy_11
- Track 166 : AnnabelLee_14, ChamoyPickle_14, CardboardBox_14, Neuville_14, Roberts_14, Gerri43_14, ChipsNGuac_14
- Track 167 : Makima_15, LastNadiia_17
- Track 168 : Agamoto_16
- Track 169 : Studio_14, Ezurina_13
- Track 170 : TripleC_17
- Track 171 : TMaxx_14

- Track 172 : Mireles_14
- Track 173 : Audell_17
- Track 174 : PinkYoshi_13, DingDing_13, Jolene_13, Rattrick_13, CassieYates_13, Angel_13, TomBrady_13, ECartman_13, OctaviousRex_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, LouisV14_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, Camri_13, JorRay_13, Cherrybomb426_13, Phreak_13, ShaboiShabazz_13, Jane_13, Wendigo_13, Jonghyun_13, Phish_13, Sizemore_13, Olga_13, GoldenAsh_13
- Track 175 : Paito_13
- Track 176 : Taheera_13, Terror_13
- Track 177 : Barkley26_13, Grizzly_13, Peeb_13, Liefie_13
- Track 178 : Halo_13, TinaBug_13
- Track 179 : Rabbs_13, Sneeze_13
- Track 180 : Avocado_13
- Track 181 : FlagStaff_13, Pace1224_13
- Track 182 : Cambiare_14
- Track 183 : GodSpeed_13
- Track 184 : Pinnie_14, MOOREtheMARYer_13
- Track 185 : Cloudyecho_13
- Track 186 : Jolie2_13
- Track 187 : Lemuria_13
- Track 188 : Mercurio_14
- Track 189 : Antsirabe_13
- Track 190 : YangYin_13
- Track 191 : Stargaze_13
- Track 192 : LilPharaoh_14, Nutello_14, Teejan_14, SgtBeansprout_14, Mdavu_14, Trice_14, Amelie_14, Binglebops_14, Torres_14, Nikao_14, Enkosi_14
- Track 193 : Yunkel11_18, Efra2_18, Guanica15_18
- Track 194 : CheetoDust_18
- Track 195 : Bella96_18
- Track 196 : Belladonna_18, Angelica_18, Rosmarinus_18, Peel_18, CREW_18, Inky_18, BaghaKamala_18, Zavala_18, Capricorn_18, ActinUp_18, CrimD_18, BGlluvia_18, Deby_18, Durfee_18, Mynx_18, Rapunzel97_18, Ramen_18, Jarvi_18, Megsy_18, Piatt_18, Boiii_18, Hyperbowlee_18, Zabiza_18, Slimphazie_18, YoureAdopted_17, Spock_18, Twitch_18, Llorens_18, Jayhawk_18, BarrelRoll_18, CaseJules_18, Asayake_18, Lunahalos_18, Topper_18, Adephagia_18, Joy99_18, JAWS_18, Blizzard_18, HedwigODU_18, TaiwanKao_19, MeaningOfLife_18, Homura_18, ShiaSurprise_18, Sulley_18, TruffulaTree_18, Dalmuri_18, Apocalypse_18, Jeckyll_18, Padfoot_18, BEEST_18
- Track 197 : SamuelLPlagson_18, Anna_18, Urkel_18, TiniBug_18, DrHayes_18
- Track 198 : Ganymede_19, Atiba_18, CallaLilly_18, Beezoo_18, Geraldini_18, Pokerus_17, QuincyRose_17, Tiri_18, Adonis_18, Tachez_18
- Track 199 : AlishaPH_18, Emerson_18, Padpat_18, Veliki_18
- Track 200 : Dartin_18, Peanam_18, Shaobing_18, McMater_18, Niklas_18, Richo_18
- Track 201 : TreyKay_18, Prithvi_18, LindNT_18
- Track 202 : MarkPhew_18
- Track 203 : Illumine_18, Devera_18, Dole_18, Bern_18

- Track 204 : Pisa4_17, Pisa1_17
- Track 205 : LaterM_18, Stinson_18, Murucutumbu_18, Ageofdapage_18
- Track 206 : DartGoblin_18
- Track 207 : LastHope_18
- Track 208 : Clipper_18, MacKat_18
- Track 209 : KiSi_17, Oscar_17, LeMond_17, Scarlett_17
- Track 210 : Validus_18
- Track 211 : TingHuaYa_18
- Track 212 : Anaya_19
- Track 213 : Curiosium_19
- Track 214 : Chavito_18
- Track 215 : Nibb_17
- Track 216 : Chris_17
- Track 217 : Findley_14, Milly_14, DismalFunk_14, Strobilo_14, DismalStressor_14, Marcoliusprime_14
- Track 218 : BoostSeason_14, Doughnut_14
- Track 219 : ZoeJ_14
- Track 220 : TM4_14
- Track 221 : Mufasa_14
- Track 222 : Lea83_17, Pixie_17, Keshu_17, TBond007_17, Hurricane_17
- Track 223 : ShedlockHolmes_17
- Track 224 : Pharb_17
- Track 225 : MacnCheese_18
- Track 226 : TribbleTrouble_16
- Track 227 : Slarp_19, OmniCritical_19, Fionnbharth_19, DanSyl44_19, Wintermute_19, Mitti_19, Cheetobro_19, Lebo14_19, Chancellor_19, YasnayaPolyana_19, Qhanda_19, SamScheppers_17
- Track 228 : Y2_19, Y10_19, JF1_19
- Track 229 : MissDaisy_19, Reptar3000_19, Patt_19, Bobquesha_19
- Track 230 : Juliette_19, Taquito_17, Eponine_19, Ruthiejr_18
- Track 231 : Kraw_19, Malthus_19
- Track 232 : Omnicron_16
- Track 233 : AlleyCat_16, Neighly_16, Psycho_16, Dadosky_16, Larva_16
- Track 234 : SoSeph_16, Heftyboy_16
- Track 235 : Edugator_15, Kratio_15
- Track 236 : Waterfoul_16, Thyatira_16, Feyre_16
- Track 237 : Miryou_16, OkiRoe_16, Guillsminger_16, Leston_16, Paola_16, Gengar_16
- Track 238 : BananenDer11_16, ViviJ_15, Agent47_16, Collard_16, DoubleChamp_16, LilDirt_15, InvictusManeo_16
- Track 239 : Rando14_16
- Track 240 : Amgine_16
- Track 241 : Amohnition_17
- Track 242 : Phrank_17, Tierra_17, Bryler_17, Cain_17
- Track 243 : Hammy_17, November_16, DARTH_P_17
- Track 244 : Ekdilam_15
- Track 245 : Syra333_17, Krueger_17, Tigress9_17
- Track 246 : Yuna_18
- Track 247 : Shadow1_16, Sunflower1121_16
- Track 248 : TClif_17
- Track 249 : Ellie_15
- Track 250 : PhelpsODU_17, Unicorn_17
- Track 251 : Marshawn_19

- Track 252 : Lavahound_16
- Track 253 : Ximenita_18
- Track 254 : SirPhilip_17
- Track 255 : Applecrisp_16
- Track 256 : Fefferhead_17
- Track 257 : Aminay_16
- Track 258 : Boilgate_15
- Track 259 : Gancho_14, Gravaillia_15
- Track 260 : Amochick_15, Ubuntu_15, DeepSoil15_15, Kinbote_15, Evanesce_15, Forge_15, Ein37_15, Daegal_16, Dewey_15, Hail_15, Hadrien_15, OBUpride_15, HH92_15, Luna22_15, Amymech_15, BloominB_15, Webster2_15, Giles_15, Wishmaker_15, Luke_15, LilHazeInut_15
- Track 261 : NovoPizza_13
- Track 262 : RunningOnE_72
- Track 263 : Stellammi_10
- Track 264 : Gaia_10, Nebkiss_10
- Track 265 : Hilltopfarm_19, Typha_19
- Track 266 : Faiyaz_19, AuntGwenStacy_19
- Track 267 : Bipper_19
- Track 268 : Cracklewink_19
- Track 269 : 32HC_19
- Track 270 : Rem711_18
- Track 271 : DS6A_16
- Track 272 : LilSpotty_12
- Track 273 : Shambre1_14
- Track 274 : Kromp_14
- Track 275 : Spartoi_11
- Track 276 : Ibantik_76
- Track 277 : 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 46, it was called in 210 of the 639 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• ActinUp_18, Adephagia_18, Adonis_18, Agent47_16, AizenPogi_13, AlishaPH_18, AlleyCat_16, Amelie_14, Angel_13, Angelica_18, Anma_18, Annihilator_13, Antsirabe_13, Apocalypse_18, Aroostook_13, Asayake_18, Atiba_18, Avocado_13, Avrafan_13, AzulaCat_13, BEEST_18, BGlluviae_18, BPs_13, BQuat_13, BaghaKamala_18, BananenDer11_16, Barkley26_13, BarrelRoll_18, Beezoo_18, Bella96_18, Belladonna_18, Bern_18, Binglebops_14, Blizzard_18, Boiii_18, BruceB_13, Bryler_17, CLED96_13, CREW_18, Cain_17, CallaLilly_18, Cambiare_14, Camri_13, Capricorn_18, CaseJules_18, CassieYates_13, Cedasite_13, Chance64_13, CheetoDust_18, Cherrybomb426_13, Chris_17, Clipper_18, Cloudyecho_13, Coleslaw_13, Collard_16, Crespo_13, CrimD_18, DMoney_13, DNAlll_0013, Dadosky_16, Dalmuri_18, Darionha_13, DartGoblin_18, Deby_18, Devera_18, DingDing_13, Dole_18, DoubleChamp_16, DrHayes_18, Durfee_18, ECartman_13, Edugator_15, Emerson_18, Enkosi_14, Feyre_16, FlagStaff_13, Frosty24_13, Ganymede_19, Gengar_16, Geraldini_18, Gideon_13,

GodSpeed_13, GoldenAsh_13, Gomashi_13, Grizzly_13, Guillsminger_16, Halo_13, HedwigODU_18, Heftyboy_16, Homura_18, Hope_13, Hotshotbaby7_13, Hyperbowlee_18, Illumine_18, Inky_18, InvictusManeo_16, JAWS_18, Jane_13, Jarvi_18, Jayhawk_18, Jeckyll_18, Jeilious_13, Jolene_13, Jolie2_13, Jonghyun_13, JorRay_13, Joy99_18, Kareem_13, Kasen3_13, KiSi_17, Kratio_15, Krueger_17, Larva_16, LeMond_17, Lemuria_13, Leston_16, Liefie_13, LilDirt_15, LilPharaoh_14, LindNT_18, Llorens_18, LouisV14_13, Lunahalos_18, MOOREtheMARYer_13, MZKinsey_13, MacKat_18, Maliketh_13, MarkPhew_18, Marmie_13, Mdavu_14, MeaningOfLife_18, Megsy_18, Mercurio_14, Miryou_16, Mowgli_13, Mynx_18, Neighly_16, Neoh_13, Nibb_17, Nikao_14, Nutello_14, OctaviousRex_13, OkiRoe_16, Olga_13, Omnicron_16, Oscar_17, Pace1224_13, Padfoot_18, Padpat_18, Paito_13, Paola_16, Peeb_13, Peel_18, Periodt_13, Pharb_17, PhelpsODU_17, Phish_13, Phloodle_13, Phrank_17, Phreak_13, Piatt_18, PinkYoshi_13, Pinnie_14, Pisa1_17, Pisa4_17, Plagueis_13, Pokerus_17, Prithvi_18, Psycho_16, QuincyRose_17, Rabbs_13, Ramen_18, Rando14_16, Rapunzel97_18, Rattrick_13, Remy19_13, Renaissance_13, Richarlison_13, Rosmarinus_18, Ruriko_13, SamuelLPlaqueson_18, Scarlett_17, Schiebel_13, SgtBeansprout_14, ShaboiShabazz_13, Shadow1_16, ShiaSurprise_18, SirPhilip_17, Sizemore_13, Slimphazie_18, Sneeze_13, SoSeph_16, Spock_18, Stargaze_13, Sulley_18, Sunflower1121_16, Sweets_13, Syra333_17, TClif_17, Tachez_18, Taheera_13, TaiwanKao_19, Teejan_14, Terror_13, Thyatira_16, Tierra_17, Tigress9_17, TinaBug_13, TiniBug_18, Tiri_18, TomBrady_13, Topper_18, Torres_14, TreyKay_18, TribbleTrouble_16, Trice_14, TruffulaTree_18, Twitch_18, Unicorn_17, Urkel_18, Veliki_18, ViviJ_15, Waterfoul_16, Wendigo_13, Ximenita_18, YangYin_13, YoureAdopted_17, Zabiza_18, Zavala_18, ZoMa_13, Zombie_13,

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

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

- 32HC_19, 8UZL_15, AEgle_13, AGrandiflora_13, AbbeyMikolon_12, Abidatro_13, Abigail_12, AceofSpades_11, Adolin_13, AdoptaAdorbs_12, Adumb2043_13, Agamoto_16, Ageofdapage_18, AinMach_12, Akino08_12, Albedo_12, Albright_12, AlexMinion_12, Amanises_14, Amelia_14, Amgine_16, AmiCi24_12, Aminay_16, Amochick_15, Amohnition_17, Amphitrite_12, Amploria_13, Amyev_13, Amymech_15, Anaya_19, Andrew_13, AnnaLie_13, AnnabelLee_14, Antrice_13, Applecrisp_16, Applejacks_11, Apricot_13, ArchiDore_13, Armstrong_11, Arroyo_13, Asa16_13, Asapag_13, Ascela_13, Ashes_13, Atlantica_12, Audell_17, AuntGwenStacy_19, AvGardian_12, Avani_14, Avocadoman_12, AylexOG_13, Ayotoya_16, Azaz_12, BAJuniper_12, BENtherdunthat_13, Babushka_12, BabyDaisy_13, BabyYoda_12, Bachaco_12, BaileyBlu_12, Barnstormer_11, Basilisk_13, BearBQ_13, Beaupre_13, Bedetta_14, BelmontSKP_13, Bengal_12, Bernstein_11, Berrie_13, BetterKatz_16, Bibble12_14, Bimmel_56, Bipper_19, Birdsong_13, Blarby_15, BloominB_15, Bobquesha_19, Bock_16, Boilgate_15, BoostSeason_14, BotCity_13, Brahms_11, Brylie_16, Brynnie_13, BubbaBear_12, Budski_13, Buldak_12, Burritobowl_12, CallinAllBarbz_12, Camara_12, CanFranMach_12, Cappuccino_13, CardboardBox_14, Caron_11, Cashington_12, Cassia_13, Celaena_12, Cen1621_11, ChamoyPickle_14, Chancellor_19, Chavito_18, Che9d_14, CheeseTouch_13, Cheetobro_19, Chickaboom_12, Chicken_13, ChiliPepper_12, ChipsNGuac_14, Chop_16, Clayda5_11, CliffHanger_13, Coltrane_11, Colusalem_13, Community_14, Coral_13, Cote_14, Cracklewink_19, Crater_13, Crewmate_14, CroZenni_12, CupcakePrincess_12, Curiosium_19, Cyan_13, Cygnet_13, DS6A_16, Daegal_16, Damocles_14,

DanHam62_12, DanSyl44_19, Daob_14, DarthP_17, Dartin_18, DearBasketball_12, DeepSoil15_15, DelRio_17, Demsculpinboyz_14, Dewey_15, DickRichards_12, Didgeridoo_13, DinoNuggs_13, DirtyBubble_12, DismalFunk_14, DismalStressor_14, Dismas_12, DonkeyMan_12, Donkey_13, Doobus_12, Doughnut_14, DrManhattan_13, DrSierra_13, DumpsterDude_13, Ecliptus_13, Eden_11, Eesa_13, Efra2_18, Ein37_15, Ekdilam_15, Elezi_13, Elfy_11, Ellie_15, Elva_13, Emotion_12, Eponine_19, Eraser_13, Eula_12, Evanesce_15, Exile_12, Ezurina_13, FF47_15, Faiyaz_19, Fefferhead_17, Finalfrontier_13, Findley_14, Fingolfin_12, Fionnbharth_19, FiveHead_12, FlameThrower_12, Floof_12, Flutur_13, Forester_12, Forge_15, Francois_16, Franklin22_11, Frickyeah_13, Fryberger_45, Gack_11, Gaia_10, Galaxy_13, Gambol_13, Gancho_14, GardenState_12, Gerri43_14, Getalong_13, Gibbzilla_14, Giles_15, Giorgio_13, Glotell_12, GramZayde_13, GrandSlam_16, Gravaillia_15, Gravel_14, Gretchen_12, GrimEater_13, Guanica15_18, Guey18_50, Gumpizza_13, Gustav_11, HH92_15, Hadrien_15, Hail_15, Halsey_13, HamCheese_12, Hammy_17, Hamood_16, HannahPhantana_14, Heinz_12, Hibiscus_12, Hilltopfarm_19, Holliday_13, Honk_11, Horus_13, Hurricane_17, IAmGroot_12, IUFootball_12, Ibantik_76, Icarian_13, InLimbo_13, IndyLu_12, Iter_13, IttyBittyPiggy_13, JF1_19, Jabb_12, Jabbawokkie_15, JacoRen57_12, Jamun_13, Janeemi_14, Jankie_14, JasmineDragon_12, Jerole_14, Joemato_13, JohnDoe_13, JohnThicc_12, Johnathan_12, Jojo24_12, Jovita_12, Jstan_13, Juliette_19, JuneStar_13, Juno112_12, JustASigh_12, KHumphrey_12, Kalimba_13, Kamaru_13, Kamdara_12, Kate33_12, Katzastrophic_12, Kaylissa_13, KeAlii_13, Keelan_43, KendraB23_14, Kenna_13, Kenzers_12, Kepler_13, Keshu_17, Kieran_12, Kinbote_15, Kraw_19, Kromp_14, Kuleana_13, Kuwabara_13, LadyAstra_12, Lahqtemish_12, Laphuphu24k_12, LastHope_18, LastNadiia_17, LaterM_18, Lavahound_16, Lea83_17, Lebo14_19, Lego_13, Leona_12, Leroy_13, Liebe_12, LilHazelnut_15, LilSpotty_12, Lilo27_12, LimaBean_12, LisoBros_12, LitninMcQueen_13, LittleTokyo_13, Lizalica_13, London_13, LongHai_16, Loviatar_12, Lucky10_12, Luke_15, Luna22_15, Lunar_14, Lutum_13, Lynlen_12, MaGuCo_12, Mabodamaca_12, MacnCheese_18, Maco6_13, Mahdia_11, MakCheese_14, Makima_15, MalagasyRose_19, Malibo_12, Malisha_13, Malthus_19, Marcoliusprime_14, Marshawn_19, Maureen_12, McMater_18, Melons_14, Milly_14, Milomuff_13, MiniMommy_11, Mireles_14, MissDaisy_19, MissSwiss_13, Mitti_19, Morkie_12, Morrissey_12, MortyNRick_13, Moss_13, MsUbiquitous_12, Muddy_15, Mudpuppy_13, Mufasa_14, Mulch_16, Murucutumbu_18, Mysterium_13, Nadeem_16, NancyRae_16, Nebkiss_10, Nergal_17, Nesbitt_12, Neuville_14, Niblet_13, Nicky22_13, Niklas_18, Niobe_13, Nitro_13, NoShow_13, November_16, NovoPizza_13, OBUpide_15, ODay_13, ObiToo_13, Olliecat_12, OmniCritical_19, Oppalora_12, Orcanus_13, Origami_12, OtsoOtso_13, PandaPo_13, Parada_16, PastaFagioli_12, Patt_19, Peanam_18, Pecas_12, Pelletreau_14, Percival_12, Periwinkle_13, Phabuloso_13, PhigPhack_12, PhirstandPhine_14, Phisb_12, Phistory_13, Phives_14, PhluffyCoco_12, PhorbesPhlower_12, Pimento_17, Pineda_14, Pixelle_13, Pixie_17, Polka_13, PondAmelia_15, Ponzi_51, Powerpuff_13, Pumpkins_13, Puppies_11, QMacho_13, Qhanda_19, Quenya_13, Rattail_12, RedFox_12, Reedo_13, Rem711_18, Renna12_13, Reptar3000_19, Reyja_13, Richo_18, Roberts_14, RockScotty_13, Rollins_11, Rona_12, Ronaldo_48, Rowa_12, Ruchi_13, RunningOnE_72, Ruthiejr_18, Ruthy_13, Sabourin_13, Salvus_16, SamScheppers_17, SanaSana_13, SansAfet_12, Santhid_12, SarBear_12, Schaffner_13, ShakeltOph_12, Shambre1_14, Shaobing_18, Sharkboy_12, ShawBrad_13, Shayna_11, ShedlockHolmes_17, Shen_14, SilverChicken_14, Simpson_14, SirBeanington_12, Skelbel_13, Skylord_11, Slarp_19, Slay_12, Snek_13, Softsoap_12, Solea_13, Soondubu_12,

Sooty_13, Soul22_14, Spartoi_11, SpecialK_13, Spooks_57, Spooky_13, Sprinklemunch_12, Squiddly_14, Squiracle_12, Stellammi_10, Stinson_18, Stoor_12, Strobilo_14, Stromboli_12, StuartMinion_12, Studio_14, Stuu_13, SuMoo_11, Subaru_13, Success_58, Sue2_13, SunnyD_11, SuperHands_12, Swervy_12, TBond007_17, TM4_14, TMaxx_14, Tallboi_13, Taquito_17, Tarzan_12, TaylorSipht_13, Tbone_13, Teagster_11, TforTroy_13, ThursdayNight_12, Tian_13, TingHuaYa_18, Toad24_14, Trine_11, TripleC_17, Tuck_14, TukTuk_12, Turab_13, Tutumahutu_13, Tweety19_13, Typha_19, Ubuntu_15, Upyo_11, UtzChips_11, VResidence_13, VWB_13, Validus_18, Vitas_11, Volt_47, VroomVroom_12, Vulpecula_13, WalkingDead_12, Warda_13, Webster2_15, Weirdo19_13, Westrich_14, WheatThin_16, Whitney_13, Widow_11, Wildwest_14, WileyE_12, Wintermute_19, Wishmaker_15, Y10_19, Y2_19, Yang_13, YasnayaPolyana_19, YesChef_13, Yoshi_14, Yuna_18, Yunkel11_18, Zapner_15, Zeta1847_11, Zhuangyuan_14, Ziko_48, Zixiang_13, Zodiariah_12, ZoeJ_14,

Summary by start number:

Start 22:

- Found in 5 of 746 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 639
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Amgine_16 (K6),

Start 39:

- Found in 4 of 746 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 639
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Hilltopfarm_19 (Y), Typha_19 (Y),

Start 42:

- Found in 3 of 746 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 639
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BoostSeason_14 (K2), Doughnut_14 (K2), Mufasa_14 (K2),

Start 44:

- Found in 10 of 746 (1.3%) of genes in pham
- Manual Annotations of this start: 8 of 639
- Called 80.0% 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 45:

- Found in 7 of 746 (0.9%) of genes in pham
- Manual Annotations of this start: 7 of 639
- 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 46:

- Found in 231 of 746 (31.0%) of genes in pham
- Manual Annotations of this start: 210 of 639
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ActinUp_18 (K1), Adephagia_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), Boiii_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), TribbleTrouble_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 47:

- Found in 5 of 746 (0.7%) of genes in pham
- Manual Annotations of this start: 5 of 639
- 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 48:

- Found in 61 of 746 (8.2%) of genes in pham
- Manual Annotations of this start: 48 of 639
- 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), DARTH_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 51:

- Found in 3 of 746 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 639
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Gustav_11 (CD), Morrissey_12 (CD),

Start 52:

- Found in 2 of 746 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 639
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MalagasyRose_19 (AG), Nergal_17 (AG),

Start 57:

- Found in 73 of 746 (9.8%) of genes in pham
- Manual Annotations of this start: 57 of 639
- Called 89.0% of time when present
- Phage (with cluster) where this start called: 32HC_19 (Z), Amochick_15 (Q), Amymech_15 (Q), Applejacks_11 (CD), ArchiDore_13 (DW), Ayotoya_16 (DI), BetterKatz_16 (DI), BloominB_15 (Q), Bock_16 (DI), Brylie_16 (DI), Chop_16 (DI), Daegal_16 (Q), DearBasketball_12 (DY), DeepSoil15_15 (Q), DelRio_17 (DI), Dewey_15 (Q), DinoNuggs_13 (DY), DonkeyMan_12 (DY), DumpsterDude_13 (DW), Ein37_15 (Q), Evanesce_15 (Q), Forge_15 (Q), Francois_16 (DI), Gancho_14 (Q),

Giles_15 (Q), GrandSlam_16 (DI), Gravaillia_15 (Q), HH92_15 (Q), Hadrien_15 (Q), Hail_15 (Q), Hamood_16 (DI), Heinz_12 (DY), Hibiscus_12 (DY), Jojo24_12 (DY), JustASigh_12 (AH), Kinbote_15 (Q), LilHazelNut_15 (Q), Luke_15 (Q), Luna22_15 (Q), Mahdia_11 (CD), MakCheese_14 (DW), Malibo_12 (DW), Mulch_16 (DI), Nadeem_16 (DI), NancyRae_16 (DI), NovoPizza_13 (Q), OBUpride_15 (Q), Parada_16 (DI), Pimento_17 (DI), Puppies_11 (CD), Rem711_18 (Z), Reyja_13 (DY), Ruthy_13 (DW), Santhid_12 (DY), Sprinklemunch_12 (DW), Tarzan_12 (DY), Trine_11 (CD), Ubuntu_15 (Q), Upyo_11 (CD), Webster2_15 (Q), Weirido19_13 (AH), WheatThin_16 (DI), Widow_11 (CD), Wishmaker_15 (Q), Zodiariah_12 (DW),

Start 60:

- Found in 20 of 746 (2.7%) of genes in pham
- Manual Annotations of this start: 11 of 639
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Agamotto_16 (FR), AnnabelleLee_14 (FR), Audell_17 (FR), CardboardBox_14 (FR), ChamoyPickle_14 (FR), ChipsNGuac_14 (FR), Ezurina_13 (FR), Gerri43_14 (FR), LastNadia_17 (FR), Makima_15 (FR), Mireles_14 (FR), Neuville_14 (FR), Roberts_14 (FR), Studio_14 (FR), TMaxx_14 (FR), TripleC_17 (FR),

Start 61:

- Found in 206 of 746 (27.6%) of genes in pham
- Manual Annotations of this start: 156 of 639
- Called 90.8% of time when present
- Phage (with cluster) where this start called: Abidatro_13 (AS1), Abigail_12 (EB), AdoptaAdorbs_12 (AS3), Akino08_12 (EB), Albedo_12 (EB), Albright_12 (EB), AlexMinion_12 (AS3), Amanises_14 (AS1), Amelia_14 (AS2), AmiCi24_12 (AS3), Amphitrite_12 (AS3), Andrew_13 (AS3), AnnaLie_13 (EB), Antrice_13 (AS2), Armstrong_11 (EB), Arroyo_13 (EB), Asapag_13 (DN1), Atlantica_12 (AS3), AuntGwenStacy_19 (Y), AvGardian_12 (EB), Avocadoman_12 (EB), AylexOG_13 (EB), Azaz_12 (AS3), BAJuniper_12 (EB), BENtherdunthat_13 (DN1), Babushka_12 (AS3), BabyDaisy_13 (EB), BabyYoda_12 (EB), Bachaco_12 (EB), Basilisk_13 (AS1), Bedetta_14 (AS2), BelmontSKP_13 (EB), Bengal_12 (EB), Bernstein_11 (EB), Bibble12_14 (AS2), Bipper_19 (Y), BotCity_13 (DN), Brahms_11 (EB), Brynnie_13 (AS1), BubbaBear_12 (EB), Budski_13 (DN), Buldak_12 (EB), Burritobowl_12 (EB), Camara_12 (AS3), CanFranMach_12 (EB), Cashington_12 (EB), Celaena_12 (EB), CheeseTouch_13 (DN1), Chickaboom_12 (AS1), Chicken_13 (AS1), ChiliPepper_12 (EB), Clayda5_11 (EB), CliffHanger_13 (EB), Coltrane_11 (EB), Colusalem_13 (AS2), Coral_13 (AS2), Cote_14 (AS2), Cracklewink_19 (Y), CroZenni_12 (EB), CupcakePrincess_12 (EB), Cygnet_13 (AS2), Damocles_14 (AS2), DanHam62_12 (AS3), Daob_14 (AS2), DickRichards_12 (EB), Didgeridoo_13 (EB), DirtyBubble_12 (EB), Dismas_12 (EB), Doobus_12 (EB), Eden_11 (EB), Eesa_13 (AS1), Elva_13 (EB), Eula_12 (EB), Faiyaz_19 (Y), Finalfrontier_13 (EB), Fingolfin_12 (AS3), FlameThrower_12 (EB), Franklin22_11 (EB), Frickyeah_13 (DN1), Gack_11 (EB), Gaia_10 (X), Galaxy_13 (AS1), Getalong_13 (DN1), Gibbzilla_14 (EB), Glotell_12 (AS3), GramZayde_13 (AS2), Gravel_14 (AS1), HamCheese_12 (AS3), HannahPhantana_14 (AS2), Holliday_13 (DN1), Horus_13 (DN1), Icarian_13 (EB), IndyLu_12 (EB), Jabb_12 (EB), Jamun_13 (AS1), Jerole_14 (AS2), Johnathan_12 (EB), Jovita_12 (EB), Juno112_12 (AS3), KHumphrey_12 (AS3), Kamaru_13 (DN1), Kamdara_12 (EB), Kate33_12 (EB), Katzastrophic_12 (EB), KendraB23_14 (AS1), Kenna_13 (DN1), Kenzers_12 (EB), Kepler_13 (AS2), Kieran_12 (EB), Kuleana_13 (AS2), Lahqtemish_12 (EB), Laphuphu24k_12 (AS3), Leona_12 (AS3), Leroy_13 (DN1), Lilo27_12 (EB), LimaBean_12 (EB), LitninMcQueen_13 (DN1), LittleTokyo_13

(AS2), Loviatar_12 (EB), Lunar_14 (AS2), Lutum_13 (DN1), Lynlen_12 (EB), Malisha_13 (DN), Melons_14 (AS2), Milomuff_13 (EB), MsUbiquitous_12 (EB), Nebkiss_10 (X), Niblet_13 (AS1), Nicky22_13 (EB), Olliecat_12 (EB), Oppalora_12 (AS3), Orcanus_13 (AS1), OtsoOtso_13 (AS2), PastaFagioli_12 (EB), Pecas_12 (EB), Pelletreau_14 (AS1), Periwinkle_13 (DN1), Phabuloso_13 (DN1), PhigPhack_12 (EB), PhirstandPhine_14 (AS2), Phisb_12 (EB), Phistory_13 (DN1), PhluffyCoco_12 (AS3), Pineda_14 (AS2), Polka_13 (AS2), PondAmelia_15 (EB), QMacho_13 (EB), Quenya_13 (EB), Rattail_12 (AS3), RedFox_12 (AS3), Renna12_13 (AS3), Rollins_11 (EB), Rona_12 (EB), Ruchi_13 (AS1), SanaSana_13 (EB), SansAfet_12 (EB), SarBear_12 (EB), Sharkboy_12 (EB), ShawBrad_13 (DN1), Shayna_11 (EB), Shen_14 (AS1), SirBeanington_12 (EB), Skylord_11 (EB), Slay_12 (EB), Softsoap_12 (EB), Solea_13 (EB), Spooky_13 (DN2), Squiddly_14 (DN2), Squirrel_12 (EB), Stellammi_10 (UNK), Stoor_12 (EB), Stromboli_12 (EB), StuartMinion_12 (AS3), SunnyD_11 (EB), Swervy_12 (EB), TaylorSipht_13 (AS1), Teagster_11 (EB), Toad24_14 (AS1), TukTuk_12 (EB), Vitas_11 (EB), Vulpecula_13 (AS1), WalkingDead_12 (EB), Westrich_14 (AS1), Whitney_13 (DN1), WileyE_12 (AS1), Zhuangyuan_14 (AS2), Zixiang_13 (AS1),

Start 62:

- Found in 22 of 746 (2.9%) of genes in pham
- Manual Annotations of this start: 15 of 639
- Called 90.9% 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), Elfy_11 (FP), Fryberger_45 (DP), GrimEater_13 (FP), Guey18_50 (DP), Jabbawokkie_15 (F2), Jankie_14 (FP), Keelan_43 (DP), LilSpotty_12 (singleton), Ronaldo_48 (DP), SilverChicken_14 (F2), Soul22_14 (F2), Volt_47 (DP), Yoshi_14 (F2), Zapner_15 (F2), Ziko_48 (DP),

Start 63:

- Found in 1 of 746 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 639
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CallinAllBarbz_12 (FP),

Start 64:

- Found in 119 of 746 (16.0%) of genes in pham
- Manual Annotations of this start: 2 of 639
- Called 2.5% of time when present
- Phage (with cluster) where this start called: BaileyBlu_12 (FP), LisoBros_12 (FP), Shambre1_14 (singleton),

Start 67:

- Found in 39 of 746 (5.2%) of genes in pham
- Manual Annotations of this start: 1 of 639
- Called 2.6% of time when present
- Phage (with cluster) where this start called: Spartoi_11 (singleton),

Start 68:

- Found in 132 of 746 (17.7%) of genes in pham
- Manual Annotations of this start: 108 of 639
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AEgle_13 (AZ1), AGrandiflora_13 (AZ1), AbbeyMikolon_12 (BL), AceofSpades_11 (AZ4), Adolin_13 (AZ1), Adumb2043_13

(AZ1), AinMach_12 (AZ7), Amploria_13 (AZ1), Amyev_13 (AZ1), Apricot_13 (DN3), Asa16_13 (AZ1), Ascela_13 (AZ1), Ashes_13 (AZ5), Barnstormer_11 (EH), BearBQ_13 (DN), Beaupre_13 (AZ5), Berrie_13 (AZ1), Bimmel_56 (BT), Birdsong_13 (DN), Cappuccino_13 (AZ5), Caron_11 (EH), Cassia_13 (AZ1), Cen1621_11 (EH), Community_14 (AZ1), Crater_13 (DN3), Crewmate_14 (AZ1), Cyan_13 (AZ1), Donkey_13 (AZ5), DrManhattan_13 (AZ1), DrSierra_13 (AZ1), Ecliptus_13 (DN), Elezi_13 (AZ1), Emotion_12 (AZ4), Eraser_13 (AZ1), Exile_12 (AZ6), FiveHead_12 (AZ4), Floof_12 (EH), Flutur_13 (AZ), Forester_12 (EH), Gambol_13 (AZ5), GardenState_12 (EH), Giorgio_13 (AZ5), Gretchen_12 (EH), Gumpizza_13 (AZ5), Halsey_13 (AZ5), Honk_11 (EH), IAmGroot_12 (EH), IUFootball_12 (AZ2), Ibantik_76 (singleton), InLimbo_13 (DH), Iter_13 (AZ1), IttyBittyPiggy_13 (AZ1), Janeemi_14 (AZ1), JasmineDragon_12 (AZ4), Joemato_13 (AZ1), JohnDoe_13 (AZ1), JohnThicc_12 (AZ4), Jstan_13 (AZ1), JuneStar_13 (AZ1), Kalimba_13 (AZ5), Kaylissa_13 (AZ1), KeAlii_13 (AZ1), Kromp_14 (singleton), Kuwabara_13 (DN4), LadyAstra_12 (AZ4), Lego_13 (AZ1), Liebe_12 (AZ2), Lizalica_13 (AZ1), London_13 (AZ1), Lucky10_12 (DH), MaGuCo_12 (AZ2), Mabodamaca_12 (EH), Maureen_12 (AZ2), MiniMommy_11 (AZ4), MissSwiss_13 (AZ1), Morkie_12 (DH), MortyNRick_13 (DN), Moss_13 (AZ5), Mudpuppy_13 (AZ1), Mysterium_13 (AZ5), Nesbitt_12 (BL), Niobe_13 (AZ1), Nitro_13 (AZ1), ODay_13 (DN), ObiToo_13 (AZ1), Origami_12 (AZ4), PandaPo_13 (AZ1), Percival_12 (EH), Phives_14 (AZ1), PhorbesPhlower_12 (DH), Pixelle_13 (AZ1), Ponzi_51 (singleton), Powerpuff_13 (AZ1), Pumpkins_13 (AZ1), Reedo_13 (AZ1), RockScotty_13 (AZ5), Rowa_12 (BL), RunningOnE_72 (UNK), Sabourin_13 (AZ5), Schaffner_13 (AZ1), ShakeltOph_12 (AZ4), Simpson_14 (AZ1), Skelbel_13 (AZ1), Snek_13 (AZ3), Soondubu_12 (AZ6), Sooty_13 (AZ5), SpecialK_13 (AZ5), Spooks_57 (BT), Stuu_13 (AZ5), SuMoo_11 (EH), Subaru_13 (AZ1), Success_58 (BT), Sue2_13 (AZ1), SuperHands_12 (EH), Tallboi_13 (AZ1), Tbone_13 (AZ1), TforTroy_13 (AZ1), ThursdayNight_12 (AZ), Tian_13 (AZ1), Tuck_14 (AZ1), Turab_13 (AZ1), Tutumahutu_13 (AZ1), Tweety19_13 (AZ3), UtzChips_11 (EH), VResidence_13 (AZ1), VWB_13 (BA), VroomVroom_12 (AZ4), Warda_13 (AZ1), Wildwest_14 (AZ1), Yang_13 (AZ1), YesChef_13 (AZ1), Zeta1847_11 (EH),

Summary by clusters:

There are 55 clusters represented in this pham: DN, FP, FR, BA, DH, DI, BL, UNK, DY, singleton, BT, K2, K1, K7, K6, K5, K4, DW, K8, DP, G5, G4, G3, AG, G1, DN4, DN1, DN3, DN2, AS3, AS2, AS1, AB, EH, G, F, AH, EB, Q, Y, X, CD, G2, K3, F2, Z, FB, AZ, AZ1, AZ2, AZ3, AZ4, AZ5, AZ6, AZ7,

Info for manual annotations of cluster AB:

- Start number 48 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AG:

- Start number 52 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AH:

- Start number 57 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster AS1:

- Start number 61 was manually annotated 17 times for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 61 was manually annotated 17 times for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 61 was manually annotated 16 times for cluster AS3.

Info for manual annotations of cluster AZ1:

- Start number 68 was manually annotated 46 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 68 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 68 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 68 was manually annotated 5 times for cluster AZ4.

Info for manual annotations of cluster AZ5:

- Start number 68 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster AZ6:

- Start number 68 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster BL:

- Start number 68 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 CD:

- Start number 51 was manually annotated 2 times for cluster CD.
- Start number 57 was manually annotated 5 times for cluster CD.

Info for manual annotations of cluster DH:

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

Info for manual annotations of cluster DI:

- Start number 57 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DN:

- Start number 61 was manually annotated 3 times for cluster DN.
- Start number 68 was manually annotated 5 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 61 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 61 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 68 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 68 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DP:

- Start number 62 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DW:

- Start number 57 was manually annotated 5 times for cluster DW.

Info for manual annotations of cluster DY:

- Start number 57 was manually annotated 7 times for cluster DY.

Info for manual annotations of cluster EB:

- Start number 61 was manually annotated 80 times for cluster EB.

Info for manual annotations of cluster EH:

- Start number 68 was manually annotated 15 times for cluster EH.

Info for manual annotations of cluster F2:

- Start number 62 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster FP:

- Start number 63 was manually annotated 1 time for cluster FP.
- Start number 64 was manually annotated 1 time for cluster FP.

Info for manual annotations of cluster FR:

- Start number 60 was manually annotated 11 times for cluster FR.

Info for manual annotations of cluster G1:

- Start number 46 was manually annotated 65 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 46 was manually annotated 3 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 46 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 46 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 46 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster K1:

- Start number 46 was manually annotated 95 times for cluster K1.
- Start number 47 was manually annotated 5 times for cluster K1.
- Start number 48 was manually annotated 9 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 42 was manually annotated 3 times for cluster K2.
- Start number 44 was manually annotated 8 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 45 was manually annotated 7 times for cluster K3.
- Start number 46 was manually annotated 2 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 48 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 46 was manually annotated 25 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 22 was manually annotated 1 time for cluster K6.
- Start number 46 was manually annotated 14 times for cluster K6.
- Start number 48 was manually annotated 11 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 48 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 48 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster Q:

- Start number 57 was manually annotated 23 times for cluster Q.

Info for manual annotations of cluster UNK:

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

Info for manual annotations of cluster X:

- Start number 61 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 39 was manually annotated 2 times for cluster Y.
- Start number 61 was manually annotated 3 times for cluster Y.

Info for manual annotations of cluster Z:

- Start number 57 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 32HC_19 Start: 11470, Stop: 12039, Start Num: 57

Candidate Starts for 32HC_19:

(Start: 57 @11470 has 57 MA's), (73, 11515), (97, 11620), (122, 11752), (131, 11782), (132, 11785),

Gene: 8UZL_15 Start: 9344, Stop: 9985, Start Num: 48

Candidate Starts for 8UZL_15:

(35, 9311), (Start: 48 @9344 has 48 MA's), (Start: 67 @9377 has 1 MA's), (69, 9386), (74, 9404), (90, 9470), (103, 9509), (105, 9524), (126, 9629), (131, 9650), (136, 9680), (145, 9719), (163, 9764), (187, 9848), (191, 9869),

Gene: AEgle_13 Start: 9479, Stop: 10030, Start Num: 68

Candidate Starts for AEgle_13:

(Start: 68 @9479 has 108 MA's), (101, 9596), (124, 9722), (131, 9743), (135, 9758), (194, 9962),

Gene: AGrandiflora_13 Start: 9464, Stop: 10015, Start Num: 68

Candidate Starts for AGrandiflora_13:

(Start: 68 @9464 has 108 MA's), (124, 9707), (131, 9728), (135, 9743), (194, 9947),

Gene: AbbeyMikolon_12 Start: 8168, Stop: 8740, Start Num: 68

Candidate Starts for AbbeyMikolon_12:

(37, 8084), (Start: 68 @8168 has 108 MA's), (78, 8201), (84, 8228), (86, 8237), (92, 8264), (101, 8291), (123, 8411), (132, 8438), (135, 8450), (137, 8468), (159, 8525), (183, 8600),

Gene: Abidatro_13 Start: 8801, Stop: 9631, Start Num: 61

Candidate Starts for Abidatro_13:

(Start: 61 @8801 has 156 MA's), (136, 9110), (154, 9176), (175, 9233), (184, 9269), (192, 9305), (199, 9338), (212, 9392), (215, 9437), (217, 9491), (218, 9512),

Gene: Abigail_12 Start: 8439, Stop: 9236, Start Num: 61

Candidate Starts for Abigail_12:

(8, 8139), (16, 8235), (18, 8253), (31, 8355), (49, 8409), (Start: 61 @8439 has 156 MA's), (Start: 64 @8445 has 2 MA's), (103, 8586), (105, 8601), (145, 8793), (176, 8880), (216, 9081), (219, 9177),

Gene: AceofSpades_11 Start: 7705, Stop: 8259, Start Num: 68

Candidate Starts for AceofSpades_11:

(Start: 68 @7705 has 108 MA's), (81, 7750), (135, 7984),

Gene: ActinUp_18 Start: 10504, Stop: 11118, Start Num: 46

Candidate Starts for ActinUp_18:

(Start: 46 @10504 has 210 MA's), (69, 10549), (103, 10672), (113, 10726), (123, 10783), (127, 10798), (145, 10882), (147, 10888), (163, 10927), (166, 10939), (175, 10966), (187, 11011), (189, 11026), (196, 11050), (210, 11107),

Gene: Adephagia_18 Start: 10504, Stop: 11118, Start Num: 46

Candidate Starts for Adephagia_18:

(Start: 46 @10504 has 210 MA's), (69, 10549), (103, 10672), (113, 10726), (123, 10783), (127, 10798), (145, 10882), (147, 10888), (163, 10927), (166, 10939), (175, 10966), (187, 11011), (189, 11026), (196, 11050), (210, 11107),

Gene: Adolin_13 Start: 9458, Stop: 10006, Start Num: 68

Candidate Starts for Adolin_13:

(Start: 68 @9458 has 108 MA's), (135, 9737), (180, 9881), (190, 9926),

Gene: Adonis_18 Start: 10513, Stop: 11127, Start Num: 46

Candidate Starts for Adonis_18:

(Start: 46 @10513 has 210 MA's), (69, 10558), (103, 10681), (113, 10735), (123, 10792), (127, 10807), (145, 10891), (147, 10897), (163, 10936), (166, 10948), (175, 10975), (187, 11020), (189, 11035), (196, 11059),

Gene: AdoptaAdorbs_12 Start: 8378, Stop: 8959, Start Num: 61

Candidate Starts for AdoptaAdorbs_12:

(Start: 61 @8378 has 156 MA's), (69, 8399), (136, 8687), (163, 8771), (175, 8810), (176, 8813), (184, 8846), (199, 8915), (208, 8945),

Gene: Adumb2043_13 Start: 9478, Stop: 10029, Start Num: 68

Candidate Starts for Adumb2043_13:

(Start: 68 @9478 has 108 MA's), (101, 9595), (124, 9721), (131, 9742), (135, 9757), (194, 9961),

Gene: Agamotto_16 Start: 11215, Stop: 11793, Start Num: 60

Candidate Starts for Agamotto_16:

(Start: 60 @11215 has 11 MA's), (70, 11242), (131, 11494),

Gene: Agent47_16 Start: 10624, Stop: 11235, Start Num: 46

Candidate Starts for Agent47_16:

(Start: 46 @10624 has 210 MA's), (69, 10669), (113, 10846), (123, 10903), (127, 10918), (131, 10933), (145, 11002), (147, 11008), (163, 11047), (170, 11074), (187, 11131), (189, 11146), (196, 11170), (202, 11200),

Gene: Ageofdapage_18 Start: 10435, Stop: 11046, Start Num: 47

Candidate Starts for Ageofdapage_18:

(Start: 47 @10435 has 5 MA's), (69, 10477), (103, 10600), (113, 10654), (123, 10711), (127, 10726), (136, 10771), (145, 10810), (147, 10816), (163, 10855), (166, 10867), (175, 10894), (187, 10939), (189, 10954), (196, 10978),

Gene: AinMach_12 Start: 8582, Stop: 9136, Start Num: 68

Candidate Starts for AinMach_12:

(Start: 68 @8582 has 108 MA's), (135, 8861), (148, 8918), (183, 9017), (190, 9053), (195, 9071),

Gene: AizenPogi_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for AizenPogi_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Akino08_12 Start: 8625, Stop: 9422, Start Num: 61

Candidate Starts for Akino08_12:

(Start: 61 @8625 has 156 MA's), (Start: 64 @8631 has 2 MA's), (86, 8709), (103, 8775), (105, 8790), (138, 8949), (145, 8982), (163, 9027), (216, 9267),

Gene: Albedo_12 Start: 8314, Stop: 9111, Start Num: 61

Candidate Starts for Albedo_12:

(16, 8110), (18, 8128), (31, 8230), (49, 8284), (Start: 61 @8314 has 156 MA's), (Start: 64 @8320 has 2 MA's), (103, 8461), (105, 8476), (137, 8632), (145, 8668), (163, 8713), (176, 8755), (216, 8956),

Gene: Albright_12 Start: 8320, Stop: 9117, Start Num: 61

Candidate Starts for Albright_12:

(8, 8020), (16, 8116), (18, 8134), (31, 8236), (49, 8290), (Start: 61 @8320 has 156 MA's), (Start: 64 @8326 has 2 MA's), (103, 8467), (105, 8482), (145, 8674), (176, 8761), (216, 8962), (219, 9058),

Gene: AlexMinion_12 Start: 8406, Stop: 8987, Start Num: 61

Candidate Starts for AlexMinion_12:

(13, 8169), (14, 8190), (24, 8265), (Start: 44 @8355 has 8 MA's), (Start: 61 @8406 has 156 MA's), (69, 8427), (136, 8715), (138, 8721), (163, 8799), (175, 8838), (176, 8841), (208, 8973),

Gene: AlishaPH_18 Start: 10503, Stop: 11114, Start Num: 46

Candidate Starts for AlishaPH_18:

(Start: 46 @10503 has 210 MA's), (69, 10545), (113, 10722), (123, 10779), (127, 10794), (145, 10878), (147, 10884), (163, 10923), (166, 10935), (175, 10962), (187, 11007), (189, 11022), (196, 11046), (210, 11103),

Gene: AlleyCat_16 Start: 10500, Stop: 11111, Start Num: 46

Candidate Starts for AlleyCat_16:

(Start: 46 @10500 has 210 MA's), (69, 10545), (123, 10779), (127, 10794), (131, 10809), (145, 10878), (147, 10884), (163, 10923), (166, 10935), (170, 10950), (187, 11007), (189, 11022), (196, 11046), (202, 11076),

Gene: Amanises_14 Start: 8961, Stop: 9545, Start Num: 61

Candidate Starts for Amanises_14:

(Start: 61 @8961 has 156 MA's), (184, 9429), (199, 9498), (203, 9510),

Gene: Amelia_14 Start: 8964, Stop: 9545, Start Num: 61

Candidate Starts for Amelia_14:

(Start: 61 @8964 has 156 MA's), (69, 8985), (93, 9072), (105, 9120), (136, 9273), (163, 9357), (174, 9393), (176, 9399), (184, 9432), (199, 9501),

Gene: Amelie_14 Start: 9777, Stop: 10388, Start Num: 46

Candidate Starts for Amelie_14:

(Start: 46 @9777 has 210 MA's), (Start: 61 @9798 has 156 MA's), (69, 9819), (103, 9942), (105, 9957), (113, 9996), (123, 10053), (127, 10068), (136, 10113), (145, 10152), (147, 10158), (163, 10197), (166, 10209), (187, 10281), (189, 10296), (196, 10320), (202, 10350),

Gene: Amgine_16 Start: 10111, Stop: 10827, Start Num: 22

Candidate Starts for Amgine_16:

(7, 9946), (Start: 22 @10111 has 1 MA's), (32, 10174), (34, 10183), (Start: 48 @10216 has 48 MA's), (69, 10258), (103, 10381), (107, 10402), (113, 10435), (123, 10492), (127, 10507), (145, 10591), (147, 10597), (163, 10636), (166, 10648), (175, 10675), (189, 10735), (196, 10759),

Gene: AmiCi24_12 Start: 8378, Stop: 8959, Start Num: 61

Candidate Starts for AmiCi24_12:

(Start: 61 @8378 has 156 MA's), (69, 8399), (136, 8687), (163, 8771), (175, 8810), (176, 8813), (184, 8846), (199, 8915), (208, 8945),

Gene: Aminay_16 Start: 10358, Stop: 10966, Start Num: 48

Candidate Starts for Aminay_16:

(Start: 48 @10358 has 48 MA's), (79, 10433), (89, 10481), (105, 10538), (107, 10544), (123, 10634), (131, 10664), (136, 10694), (140, 10706), (145, 10733), (147, 10739), (170, 10805), (187, 10862), (189, 10877), (196, 10901),

Gene: Amochick_15 Start: 9932, Stop: 10471, Start Num: 57

Candidate Starts for Amochick_15:

(Start: 57 @9932 has 57 MA's), (Start: 64 @9953 has 2 MA's), (65, 9956), (Start: 67 @9959 has 1 MA's), (73, 9977), (88, 10043), (103, 10079), (118, 10160), (123, 10193), (131, 10217), (150, 10265), (161, 10289), (174, 10331), (194, 10412),

Gene: Amohnition_17 Start: 10531, Stop: 11145, Start Num: 48

Candidate Starts for Amohnition_17:

(Start: 48 @10531 has 48 MA's), (Start: 60 @10552 has 11 MA's), (Start: 61 @10555 has 156 MA's), (69, 10576), (107, 10720), (113, 10753), (123, 10810), (127, 10825), (145, 10909), (147, 10915), (163, 10954), (166, 10966), (175, 10993), (189, 11053), (196, 11077), (202, 11107),

Gene: Amphitrite_12 Start: 8376, Stop: 8957, Start Num: 61

Candidate Starts for Amphitrite_12:

(Start: 61 @8376 has 156 MA's), (69, 8397), (136, 8685), (163, 8769), (175, 8808), (176, 8811), (184, 8844), (199, 8913), (208, 8943),

Gene: Amploria_13 Start: 9478, Stop: 10029, Start Num: 68

Candidate Starts for Amploria_13:

(Start: 68 @9478 has 108 MA's), (101, 9595), (124, 9721), (131, 9742), (135, 9757), (194, 9961),

Gene: Amyev_13 Start: 9490, Stop: 10041, Start Num: 68

Candidate Starts for Amyev_13:

(Start: 68 @9490 has 108 MA's), (124, 9733), (131, 9754),

Gene: Amymech_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for Amymech_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: Anaya_19 Start: 10513, Stop: 11124, Start Num: 47

Candidate Starts for Anaya_19:

(Start: 47 @10513 has 5 MA's), (69, 10555), (103, 10678), (123, 10789), (127, 10804), (136, 10849), (145, 10888), (147, 10894), (163, 10933), (187, 11017), (189, 11032), (196, 11056),

Gene: Andrew_13 Start: 8753, Stop: 9334, Start Num: 61

Candidate Starts for Andrew_13:

(Start: 61 @8753 has 156 MA's), (69, 8774), (136, 9062), (163, 9146), (174, 9182), (190, 9248), (208, 9320),

Gene: Angel_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Angel_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Angelica_18 Start: 10475, Stop: 11089, Start Num: 46

Candidate Starts for Angelica_18:

(Start: 46 @10475 has 210 MA's), (69, 10520), (103, 10643), (113, 10697), (123, 10754), (127, 10769), (145, 10853), (147, 10859), (163, 10898), (166, 10910), (175, 10937), (187, 10982), (189, 10997), (196, 11021), (210, 11078),

Gene: Anma_18 Start: 10446, Stop: 11060, Start Num: 46

Candidate Starts for Anma_18:

(Start: 46 @10446 has 210 MA's), (59, 10464), (69, 10491), (113, 10668), (123, 10725), (127, 10740), (131, 10755), (136, 10785), (145, 10824), (147, 10830), (163, 10869), (166, 10881), (175, 10908), (187, 10953), (189, 10968), (196, 10992),

Gene: AnnaLie_13 Start: 8729, Stop: 9526, Start Num: 61

Candidate Starts for AnnaLie_13:

(16, 8525), (18, 8543), (49, 8699), (Start: 61 @8729 has 156 MA's), (Start: 64 @8735 has 2 MA's), (103, 8876), (105, 8891), (145, 9083), (176, 9170), (216, 9371), (219, 9467),

Gene: AnnabelLee_14 Start: 8154, Stop: 8732, Start Num: 60

Candidate Starts for AnnabelLee_14:

(Start: 60 @8154 has 11 MA's), (131, 8433), (157, 8535), (176, 8589), (209, 8721),

Gene: Annihilator_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Annihilator_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Antrice_13 Start: 8717, Stop: 9298, Start Num: 61

Candidate Starts for Antrice_13:

(Start: 61 @8717 has 156 MA's), (69, 8738), (136, 9026), (163, 9110), (175, 9149), (194, 9227), (208, 9284),

Gene: Antsirabe_13 Start: 10190, Stop: 10810, Start Num: 46

Candidate Starts for Antsirabe_13:

(Start: 46 @10190 has 210 MA's), (59, 10214), (76, 10265), (89, 10322), (103, 10364), (105, 10379), (123, 10475), (127, 10490), (133, 10514), (136, 10535), (145, 10574), (153, 10598), (170, 10646), (178, 10670), (180, 10676), (189, 10718), (196, 10742), (202, 10772),

Gene: Apocalypse_18 Start: 10479, Stop: 11093, Start Num: 46

Candidate Starts for Apocalypse_18:

(Start: 46 @10479 has 210 MA's), (69, 10524), (103, 10647), (113, 10701), (123, 10758), (127, 10773), (145, 10857), (147, 10863), (163, 10902), (166, 10914), (175, 10941), (187, 10986), (189, 11001), (196, 11025), (210, 11082),

Gene: Applecrisp_16 Start: 10618, Stop: 11232, Start Num: 48

Candidate Starts for Applecrisp_16:

(Start: 22 @10513 has 1 MA's), (32, 10576), (34, 10585), (Start: 48 @10618 has 48 MA's), (Start: 61 @10642 has 156 MA's), (69, 10663), (103, 10786), (107, 10807), (113, 10840), (123, 10897), (127, 10912), (145, 10996), (147, 11002), (163, 11041), (166, 11053), (175, 11080), (189, 11140), (196, 11164),

Gene: Applejacks_11 Start: 7579, Stop: 8121, Start Num: 57

Candidate Starts for Applejacks_11:

(Start: 57 @7579 has 57 MA's), (73, 7624), (100, 7717), (118, 7813), (121, 7834), (131, 7870),

Gene: Apricot_13 Start: 7836, Stop: 8429, Start Num: 68

Candidate Starts for Apricot_13:

(Start: 68 @7836 has 108 MA's), (74, 7857), (81, 7881), (107, 7995), (119, 8055), (123, 8085), (129, 8109), (131, 8115), (138, 8151), (139, 8154), (147, 8190), (163, 8229), (192, 8340),

Gene: ArchiDore_13 Start: 8427, Stop: 8969, Start Num: 57

Candidate Starts for ArchiDore_13:

(36, 8376), (55, 8421), (Start: 57 @8427 has 57 MA's), (80, 8496), (116, 8655), (118, 8661), (150, 8766), (203, 8952),

Gene: Armstrong_11 Start: 8096, Stop: 8680, Start Num: 61

Candidate Starts for Armstrong_11:

(Start: 61 @8096 has 156 MA's), (Start: 64 @8102 has 2 MA's), (69, 8117), (71, 8123), (94, 8207), (105, 8255), (136, 8408), (138, 8414), (145, 8447), (171, 8522), (174, 8528), (176, 8534),

Gene: Aroostook_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Aroostook_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Arroyo_13 Start: 8790, Stop: 9587, Start Num: 61

Candidate Starts for Arroyo_13:

(16, 8586), (18, 8604), (31, 8706), (49, 8760), (Start: 61 @8790 has 156 MA's), (Start: 64 @8796 has 2 MA's), (103, 8937), (105, 8952), (145, 9144), (176, 9231), (216, 9432), (219, 9528),

Gene: Asa16_13 Start: 9448, Stop: 9999, Start Num: 68

Candidate Starts for Asa16_13:

(Start: 68 @9448 has 108 MA's), (131, 9712), (135, 9727), (194, 9931),

Gene: Asapag_13 Start: 7514, Stop: 8086, Start Num: 61

Candidate Starts for Asapag_13:

(Start: 61 @7514 has 156 MA's), (69, 7535), (77, 7556), (80, 7568), (118, 7727), (126, 7769), (134, 7802), (190, 7991), (211, 8075),

Gene: Asayake_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Asayake_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: Ascela_13 Start: 9483, Stop: 10034, Start Num: 68

Candidate Starts for Ascela_13:

(Start: 68 @9483 has 108 MA's), (90, 9570), (131, 9747), (135, 9762),

Gene: Ashes_13 Start: 8980, Stop: 9540, Start Num: 68

Candidate Starts for Ashes_13:

(Start: 68 @8980 has 108 MA's), (124, 9223), (135, 9259), (152, 9322), (190, 9448), (204, 9505),

Gene: Atiba_18 Start: 10467, Stop: 11081, Start Num: 46

Candidate Starts for Atiba_18:

(Start: 46 @10467 has 210 MA's), (69, 10512), (103, 10635), (113, 10689), (123, 10746), (127, 10761), (145, 10845), (147, 10851), (163, 10890), (166, 10902), (175, 10929), (187, 10974), (189, 10989), (196, 11013),

Gene: Atlantica_12 Start: 8378, Stop: 8959, Start Num: 61

Candidate Starts for Atlantica_12:

(Start: 61 @8378 has 156 MA's), (69, 8399), (136, 8687), (163, 8771), (175, 8810), (176, 8813), (184, 8846), (199, 8915), (208, 8945),

Gene: Audell_17 Start: 11494, Stop: 12072, Start Num: 60

Candidate Starts for Audell_17:

(Start: 60 @11494 has 11 MA's), (154, 11869),

Gene: AuntGwenStacy_19 Start: 12547, Stop: 13128, Start Num: 61

Candidate Starts for AuntGwenStacy_19:

(Start: 39 @12487 has 2 MA's), (50, 12517), (Start: 61 @12547 has 156 MA's), (78, 12592), (118, 12763), (128, 12814), (131, 12826), (136, 12856), (163, 12940), (171, 12970), (187, 13024), (208, 13117),

Gene: AvGardian_12 Start: 8379, Stop: 9176, Start Num: 61

Candidate Starts for AvGardian_12:

(Start: 61 @8379 has 156 MA's), (Start: 64 @8385 has 2 MA's), (103, 8529), (105, 8544), (138, 8703), (145, 8736), (176, 8823), (180, 8838), (208, 8955), (216, 9021),

Gene: Avani_14 Start: 7679, Stop: 8272, Start Num: 62

Candidate Starts for Avani_14:

(Start: 62 @7679 has 15 MA's), (69, 7697), (103, 7814), (110, 7853), (122, 7919), (131, 7952), (134, 7964), (138, 7988), (163, 8060), (165, 8069), (167, 8081), (172, 8093), (180, 8117), (184, 8135),

Gene: Avocado_13 Start: 10012, Stop: 10632, Start Num: 46

Candidate Starts for Avocado_13:

(Start: 46 @10012 has 210 MA's), (76, 10087), (89, 10144), (103, 10186), (105, 10201), (123, 10297), (127, 10312), (133, 10336), (136, 10357), (145, 10396), (153, 10420), (163, 10441), (170, 10468), (180, 10498), (189, 10540), (196, 10564),

Gene: Avocadoman_12 Start: 8378, Stop: 9175, Start Num: 61

Candidate Starts for Avocadoman_12:

(8, 8078), (16, 8174), (18, 8192), (31, 8294), (49, 8348), (Start: 61 @8378 has 156 MA's), (Start: 64 @8384 has 2 MA's), (103, 8525), (105, 8540), (145, 8732), (176, 8819), (216, 9020), (219, 9116),

Gene: Avrafan_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Avrafan_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: AylexOG_13 Start: 8665, Stop: 9462, Start Num: 61

Candidate Starts for AylexOG_13:

(16, 8461), (18, 8479), (49, 8635), (Start: 61 @8665 has 156 MA's), (Start: 64 @8671 has 2 MA's), (103, 8812), (105, 8827), (145, 9019), (176, 9106), (216, 9307),

Gene: Ayotoya_16 Start: 9985, Stop: 10530, Start Num: 57

Candidate Starts for Ayotoya_16:

(Start: 57 @9985 has 57 MA's), (Start: 64 @10006 has 2 MA's), (80, 10054), (171, 10384),

Gene: Azaz_12 Start: 8429, Stop: 9010, Start Num: 61

Candidate Starts for Azaz_12:

(Start: 61 @8429 has 156 MA's), (69, 8450), (136, 8738), (163, 8822), (175, 8861), (176, 8864), (184, 8897), (199, 8966), (208, 8996),

Gene: AzulaCat_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for AzulaCat_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: BAjuniper_12 Start: 8258, Stop: 8848, Start Num: 61

Candidate Starts for BAjuniper_12:

(Start: 61 @8258 has 156 MA's), (Start: 64 @8264 has 2 MA's), (69, 8279), (103, 8402), (105, 8417), (136, 8570), (145, 8609), (147, 8615), (163, 8654), (175, 8693),

Gene: BEEST_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for BEEST_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: BENtherdunthat_13 Start: 7514, Stop: 8086, Start Num: 61

Candidate Starts for BENtherdunthat_13:

(Start: 61 @7514 has 156 MA's), (69, 7535), (77, 7556), (80, 7568), (118, 7727), (126, 7769), (134, 7802), (190, 7991), (211, 8075),

Gene: BGlluviae_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for BGlluviae_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: BPs_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for BPs_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: BQuat_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for BQuat_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Babushka_12 Start: 8426, Stop: 9007, Start Num: 61

Candidate Starts for Babushka_12:

(Start: 61 @8426 has 156 MA's), (69, 8447), (136, 8735), (163, 8819), (175, 8858), (184, 8894), (199, 8963), (208, 8993),

Gene: BabyDaisy_13 Start: 8547, Stop: 9341, Start Num: 61

Candidate Starts for BabyDaisy_13:

(Start: 61 @8547 has 156 MA's), (103, 8694), (105, 8709), (145, 8901), (163, 8946), (176, 8988), (216, 9186),

Gene: BabyYoda_12 Start: 8571, Stop: 9368, Start Num: 61

Candidate Starts for BabyYoda_12:

(Start: 61 @8571 has 156 MA's), (Start: 64 @8577 has 2 MA's), (103, 8721), (105, 8736), (138, 8895), (145, 8928), (163, 8973), (208, 9147), (216, 9213),

Gene: Bachaco_12 Start: 8464, Stop: 9054, Start Num: 61

Candidate Starts for Bachaco_12:

(Start: 61 @8464 has 156 MA's), (Start: 64 @8470 has 2 MA's), (69, 8485), (78, 8512), (82, 8527), (94, 8575), (103, 8608), (105, 8623), (136, 8776), (145, 8815), (147, 8821), (163, 8860), (175, 8899), (181, 8920),

Gene: BaghaKamala_18 Start: 10470, Stop: 11084, Start Num: 46

Candidate Starts for BaghaKamala_18:

(Start: 46 @10470 has 210 MA's), (69, 10515), (103, 10638), (113, 10692), (123, 10749), (127, 10764), (145, 10848), (147, 10854), (163, 10893), (166, 10905), (175, 10932), (187, 10977), (189, 10992), (196, 11016), (210, 11073),

Gene: BaileyBlu_12 Start: 7191, Stop: 7754, Start Num: 64

Candidate Starts for BaileyBlu_12:

(Start: 64 @7191 has 2 MA's), (78, 7236), (81, 7248), (91, 7293), (115, 7398), (122, 7434), (139, 7500), (151, 7539), (163, 7566), (169, 7590), (178, 7617), (188, 7662),

Gene: BananenDer11_16 Start: 10585, Stop: 11196, Start Num: 46

Candidate Starts for BananenDer11_16:

(Start: 46 @10585 has 210 MA's), (69, 10630), (113, 10807), (123, 10864), (127, 10879), (131, 10894), (145, 10963), (147, 10969), (163, 11008), (170, 11035), (187, 11092), (189, 11107), (196, 11131), (202, 11161),

Gene: Barkley26_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Barkley26_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (131, 10163), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Barnstormer_11 Start: 8636, Stop: 9199, Start Num: 68

Candidate Starts for Barnstormer_11:

(Start: 68 @8636 has 108 MA's), (101, 8753), (180, 9059), (199, 9146),

Gene: BarrelRoll_18 Start: 10496, Stop: 11107, Start Num: 46

Candidate Starts for BarrelRoll_18:

(Start: 46 @10496 has 210 MA's), (69, 10538), (103, 10661), (113, 10715), (123, 10772), (127, 10787), (145, 10871), (147, 10877), (163, 10916), (166, 10928), (175, 10955), (187, 11000), (189, 11015), (196, 11039), (210, 11096),

Gene: Basilisk_13 Start: 9125, Stop: 9955, Start Num: 61

Candidate Starts for Basilisk_13:

(Start: 61 @9125 has 156 MA's), (136, 9434), (154, 9500), (175, 9557), (192, 9629), (199, 9662), (212, 9716), (215, 9761), (218, 9836),

Gene: BearBQ_13 Start: 7836, Stop: 8429, Start Num: 68

Candidate Starts for BearBQ_13:

(Start: 68 @7836 has 108 MA's), (74, 7857), (81, 7881), (117, 8049), (129, 8109), (131, 8115), (138, 8151), (139, 8154), (147, 8190),

Gene: Beaupre_13 Start: 8981, Stop: 9541, Start Num: 68

Candidate Starts for Beaupre_13:

(Start: 68 @8981 has 108 MA's), (124, 9224), (135, 9260), (152, 9323), (190, 9449), (204, 9506),

Gene: Bedetta_14 Start: 8964, Stop: 9545, Start Num: 61

Candidate Starts for Bedetta_14:

(Start: 61 @8964 has 156 MA's), (69, 8985), (93, 9072), (105, 9120), (136, 9273), (163, 9357), (174, 9393), (176, 9399), (184, 9432), (199, 9501),

Gene: Beezoo_18 Start: 10524, Stop: 11135, Start Num: 46

Candidate Starts for Beezoo_18:

(Start: 46 @10524 has 210 MA's), (69, 10566), (103, 10689), (113, 10743), (123, 10800), (127, 10815), (145, 10899), (147, 10905), (163, 10944), (166, 10956), (175, 10983), (187, 11028), (189, 11043), (196, 11067),

Gene: Bella96_18 Start: 10425, Stop: 11039, Start Num: 46

Candidate Starts for Bella96_18:

(Start: 46 @10425 has 210 MA's), (69, 10470), (113, 10647), (123, 10704), (127, 10719), (131, 10734), (136, 10764), (145, 10803), (147, 10809), (163, 10848), (166, 10860), (175, 10887), (187, 10932), (189, 10947), (196, 10971),

Gene: Belladonna_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Belladonna_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: BelmontSKP_13 Start: 8729, Stop: 9526, Start Num: 61

Candidate Starts for BelmontSKP_13:

(16, 8525), (18, 8543), (49, 8699), (Start: 61 @8729 has 156 MA's), (Start: 64 @8735 has 2 MA's), (103, 8876), (105, 8891), (145, 9083), (176, 9170), (216, 9371), (219, 9467),

Gene: Bengal_12 Start: 8320, Stop: 9117, Start Num: 61

Candidate Starts for Bengal_12:

(8, 8020), (16, 8116), (18, 8134), (19, 8143), (31, 8236), (49, 8290), (Start: 61 @8320 has 156 MA's), (Start: 64 @8326 has 2 MA's), (103, 8467), (105, 8482), (145, 8674), (176, 8761), (216, 8962), (219, 9058),

Gene: Bern_18 Start: 10456, Stop: 11070, Start Num: 46

Candidate Starts for Bern_18:

(Start: 46 @10456 has 210 MA's), (69, 10501), (103, 10624), (113, 10678), (123, 10735), (127, 10750), (136, 10795), (145, 10834), (147, 10840), (163, 10879), (166, 10891), (175, 10918), (187, 10963), (189, 10978), (196, 11002),

Gene: Bernstein_11 Start: 8156, Stop: 8740, Start Num: 61

Candidate Starts for Bernstein_11:

(Start: 61 @8156 has 156 MA's), (Start: 64 @8162 has 2 MA's), (69, 8177), (71, 8183), (105, 8315), (136, 8468), (138, 8474), (145, 8507), (171, 8582), (174, 8588), (176, 8594),

Gene: Berrie_13 Start: 9450, Stop: 10001, Start Num: 68

Candidate Starts for Berrie_13:

(Start: 68 @9450 has 108 MA's), (131, 9714), (135, 9729),

Gene: BetterKatz_16 Start: 9953, Stop: 10498, Start Num: 57

Candidate Starts for BetterKatz_16:

(Start: 57 @9953 has 57 MA's), (Start: 64 @9974 has 2 MA's), (203, 10478),

Gene: Bibble12_14 Start: 8967, Stop: 9548, Start Num: 61

Candidate Starts for Bibble12_14:

(Start: 61 @8967 has 156 MA's), (69, 8988), (93, 9075), (105, 9123), (136, 9276), (163, 9360), (174, 9396), (176, 9402), (184, 9435), (199, 9504),

Gene: Binglebops_14 Start: 9777, Stop: 10388, Start Num: 46

Candidate Starts for Binglebops_14:

(Start: 46 @9777 has 210 MA's), (Start: 61 @9798 has 156 MA's), (69, 9819), (103, 9942), (105, 9957), (113, 9996), (123, 10053), (127, 10068), (136, 10113), (145, 10152), (147, 10158), (163, 10197), (166, 10209), (187, 10281), (189, 10296), (196, 10320), (202, 10350),

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

Candidate Starts for Bimmel_56:

(Start: 60 @31786 has 11 MA's), (Start: 68 @31804 has 108 MA's), (103, 31942), (120, 32029), (122, 32050), (139, 32122), (164, 32209), (174, 32242), (175, 32245), (179, 32260),

Gene: Bipper_19 Start: 12607, Stop: 13194, Start Num: 61

Candidate Starts for Bipper_19:

(43, 12580), (Start: 61 @12607 has 156 MA's), (70, 12631), (78, 12652), (81, 12664), (116, 12817), (118, 12823), (127, 12871), (128, 12874), (131, 12886), (136, 12916), (161, 12994), (163, 13000), (171, 13030), (183, 13066), (187, 13084), (194, 13117), (207, 13174), (208, 13177), (209, 13180),

Gene: Birdsong_13 Start: 7836, Stop: 8429, Start Num: 68

Candidate Starts for Birdsong_13:

(Start: 68 @7836 has 108 MA's), (74, 7857), (81, 7881), (117, 8049), (129, 8109), (131, 8115), (138, 8151), (139, 8154), (147, 8190),

Gene: Blarby_15 Start: 8203, Stop: 8796, Start Num: 62

Candidate Starts for Blarby_15:

(Start: 62 @8203 has 15 MA's), (69, 8221), (103, 8338), (110, 8377), (122, 8443), (131, 8476), (134, 8488), (138, 8512), (163, 8584), (165, 8593), (167, 8605), (172, 8617), (180, 8641), (184, 8659),

Gene: Blizzard_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Blizzard_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: BloominB_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for BloominB_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: Bobquesha_19 Start: 11469, Stop: 12080, Start Num: 48

Candidate Starts for Bobquesha_19:

(Start: 48 @11469 has 48 MA's), (77, 11535), (79, 11541), (81, 11550), (89, 11589), (105, 11646), (107, 11652), (111, 11673), (113, 11685), (123, 11742), (127, 11757), (145, 11841), (147, 11847), (162, 11883), (163, 11886), (166, 11898), (170, 11913), (187, 11970), (189, 11985), (196, 12009), (202, 12039),

Gene: Bock_16 Start: 9703, Stop: 10248, Start Num: 57

Candidate Starts for Bock_16:

(Start: 57 @9703 has 57 MA's), (Start: 64 @9724 has 2 MA's), (203, 10228),

Gene: Boiiii_18 Start: 10546, Stop: 11157, Start Num: 46

Candidate Starts for Boiiii_18:

(Start: 46 @10546 has 210 MA's), (69, 10588), (103, 10711), (113, 10765), (123, 10822), (127, 10837), (145, 10921), (147, 10927), (163, 10966), (166, 10978), (175, 11005), (187, 11050), (189, 11065), (196, 11089), (210, 11146),

Gene: Boilgate_15 Start: 10475, Stop: 11086, Start Num: 48

Candidate Starts for Boilgate_15:

(33, 10436), (Start: 48 @10475 has 48 MA's), (77, 10541), (107, 10658), (111, 10679), (113, 10691), (123, 10748), (127, 10763), (131, 10778), (136, 10808), (145, 10847), (163, 10892), (166, 10904), (170, 10919), (187, 10976), (189, 10991), (196, 11015), (197, 11018),

Gene: BoostSeason_14 Start: 8528, Stop: 9151, Start Num: 42

Candidate Starts for BoostSeason_14:

(26, 8462), (Start: 42 @8528 has 3 MA's), (Start: 67 @8576 has 1 MA's), (69, 8585), (105, 8723), (123, 8819), (127, 8834), (131, 8849), (136, 8879), (145, 8918), (147, 8924), (148, 8927), (163, 8963), (166, 8975), (170, 8990), (187, 9047), (189, 9062), (196, 9086),

Gene: BotCity_13 Start: 7512, Stop: 8084, Start Num: 61

Candidate Starts for BotCity_13:

(Start: 61 @7512 has 156 MA's), (69, 7533), (77, 7554), (80, 7566), (118, 7725), (126, 7767), (134, 7800), (190, 7989), (211, 8073),

Gene: Brahms_11 Start: 8096, Stop: 8680, Start Num: 61

Candidate Starts for Brahms_11:

(Start: 61 @8096 has 156 MA's), (Start: 64 @8102 has 2 MA's), (69, 8117), (71, 8123), (105, 8255), (136, 8408), (138, 8414), (145, 8447), (171, 8522), (174, 8528), (176, 8534),

Gene: BruceB_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for BruceB_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Bryler_17 Start: 9523, Stop: 10137, Start Num: 46

Candidate Starts for Bryler_17:

(Start: 46 @9523 has 210 MA's), (Start: 57 @9535 has 57 MA's), (69, 9568), (113, 9745), (123, 9802), (127, 9817), (131, 9832), (136, 9862), (145, 9901), (147, 9907), (175, 9985), (189, 10045), (197, 10072),

Gene: Brylie_16 Start: 9700, Stop: 10245, Start Num: 57

Candidate Starts for Brylie_16:

(Start: 57 @9700 has 57 MA's), (Start: 64 @9721 has 2 MA's), (203, 10225),

Gene: Brynnie_13 Start: 8937, Stop: 9767, Start Num: 61

Candidate Starts for Brynnie_13:

(Start: 61 @8937 has 156 MA's), (136, 9246), (154, 9312), (175, 9369), (192, 9441), (199, 9474), (212, 9528), (215, 9573), (218, 9648),

Gene: BubbaBear_12 Start: 8314, Stop: 9111, Start Num: 61

Candidate Starts for BubbaBear_12:

(10, 8026), (15, 8107), (16, 8110), (18, 8128), (49, 8284), (Start: 61 @8314 has 156 MA's), (Start: 64 @8320 has 2 MA's), (103, 8461), (105, 8476), (137, 8632), (145, 8668), (163, 8713), (176, 8755), (216, 8956),

Gene: Budski_13 Start: 7501, Stop: 8073, Start Num: 61

Candidate Starts for Budski_13:

(Start: 61 @7501 has 156 MA's), (69, 7522), (77, 7543), (80, 7555), (118, 7714), (126, 7756), (134, 7789), (190, 7978), (211, 8062),

Gene: Buldak_12 Start: 8598, Stop: 9185, Start Num: 61

Candidate Starts for Buldak_12:

(Start: 61 @8598 has 156 MA's), (71, 8625), (94, 8706), (145, 8946), (165, 9000), (171, 9021), (176, 9033),

Gene: Burritobowl_12 Start: 8347, Stop: 9144, Start Num: 61

Candidate Starts for Burritobowl_12:

(6, 7990), (8, 8047), (16, 8143), (18, 8161), (19, 8170), (31, 8263), (49, 8317), (Start: 61 @8347 has 156 MA's), (Start: 64 @8353 has 2 MA's), (103, 8494), (105, 8509), (145, 8701), (176, 8788), (216, 8989), (219, 9085),

Gene: CLED96_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for CLED96_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: CREW_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for CREW_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: Cain_17 Start: 9511, Stop: 10125, Start Num: 46

Candidate Starts for Cain_17:

(Start: 46 @9511 has 210 MA's), (Start: 57 @9523 has 57 MA's), (69, 9556), (113, 9733), (123, 9790), (127, 9805), (131, 9820), (136, 9850), (145, 9889), (147, 9895), (175, 9973), (189, 10033), (197, 10060),

Gene: CallaLilly_18 Start: 10471, Stop: 11082, Start Num: 46

Candidate Starts for CallaLilly_18:

(Start: 46 @10471 has 210 MA's), (69, 10513), (103, 10636), (113, 10690), (123, 10747), (127, 10762), (145, 10846), (147, 10852), (163, 10891), (166, 10903), (175, 10930), (187, 10975), (189, 10990), (196, 11014),

Gene: CallinAllBarbz_12 Start: 7199, Stop: 7762, Start Num: 63

Candidate Starts for CallinAllBarbz_12:

(Start: 63 @7199 has 1 MA's), (78, 7244), (81, 7256), (91, 7301), (110, 7373), (122, 7442), (151, 7547), (163, 7574), (169, 7598), (188, 7670),

Gene: Camara_12 Start: 8379, Stop: 8960, Start Num: 61

Candidate Starts for Camara_12:

(Start: 61 @8379 has 156 MA's), (69, 8400), (136, 8688), (163, 8772), (175, 8811), (176, 8814), (184, 8847), (199, 8916), (208, 8946),

Gene: Cambiare_14 Start: 10474, Stop: 11094, Start Num: 46

Candidate Starts for Cambiare_14:

(Start: 46 @10474 has 210 MA's), (76, 10549), (89, 10606), (103, 10648), (105, 10663), (123, 10759), (127, 10774), (133, 10798), (136, 10819), (145, 10858), (153, 10882), (163, 10903), (170, 10930), (180, 10960), (189, 11002), (196, 11026), (202, 11056),

Gene: Camri_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Camri_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: CanFranMach_12 Start: 8337, Stop: 9134, Start Num: 61

Candidate Starts for CanFranMach_12:

(19, 8160), (49, 8307), (Start: 61 @8337 has 156 MA's), (Start: 64 @8343 has 2 MA's), (105, 8499), (138, 8658), (145, 8691), (176, 8778), (216, 8979), (219, 9075),

Gene: Cappuccino_13 Start: 8889, Stop: 9449, Start Num: 68

Candidate Starts for Cappuccino_13:

(Start: 68 @8889 has 108 MA's), (124, 9132), (135, 9168), (150, 9225), (190, 9357),

Gene: Capricorn_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Capricorn_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: CardboardBox_14 Start: 8154, Stop: 8732, Start Num: 60

Candidate Starts for CardboardBox_14:

(Start: 60 @8154 has 11 MA's), (131, 8433), (157, 8535), (176, 8589), (209, 8721),

Gene: Caron_11 Start: 8664, Stop: 9239, Start Num: 68

Candidate Starts for Caron_11:

(Start: 68 @8664 has 108 MA's), (135, 8943), (199, 9174),

Gene: CaseJules_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for CaseJules_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: Cashington_12 Start: 8337, Stop: 9134, Start Num: 61

Candidate Starts for Cashington_12:

(8, 8037), (18, 8151), (31, 8253), (49, 8307), (Start: 61 @8337 has 156 MA's), (Start: 64 @8343 has 2 MA's), (103, 8484), (105, 8499), (137, 8655), (145, 8691), (163, 8736), (176, 8778), (216, 8979),

Gene: Cassia_13 Start: 9565, Stop: 10116, Start Num: 68

Candidate Starts for Cassia_13:

(Start: 68 @9565 has 108 MA's), (124, 9808), (131, 9829),

Gene: CassieYates_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for CassieYates_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Cedasite_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Cedasite_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Celaena_12 Start: 8400, Stop: 8990, Start Num: 61

Candidate Starts for Celaena_12:

(Start: 61 @8400 has 156 MA's), (Start: 64 @8406 has 2 MA's), (69, 8421), (78, 8448), (99, 8526), (103, 8544), (105, 8559), (136, 8712), (138, 8718), (145, 8751), (147, 8757), (163, 8796), (175, 8835), (181, 8856),

Gene: Cen1621_11 Start: 7782, Stop: 8339, Start Num: 68

Candidate Starts for Cen1621_11:

(Start: 68 @7782 has 108 MA's), (124, 8025),

Gene: ChamoyPickle_14 Start: 8154, Stop: 8732, Start Num: 60

Candidate Starts for ChamoyPickle_14:

(Start: 60 @8154 has 11 MA's), (131, 8433), (157, 8535), (176, 8589), (209, 8721),

Gene: Chance64_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Chance64_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Chancellor_19 Start: 11727, Stop: 12338, Start Num: 48

Candidate Starts for Chancellor_19:

(Start: 48 @11727 has 48 MA's), (77, 11793), (79, 11799), (89, 11847), (105, 11904), (107, 11910), (111, 11931), (113, 11943), (123, 12000), (127, 12015), (145, 12099), (147, 12105), (163, 12144), (166, 12156), (170, 12171), (187, 12228), (189, 12243), (196, 12267), (202, 12297),

Gene: Chavito_18 Start: 9579, Stop: 10190, Start Num: 48

Candidate Starts for Chavito_18:

(Start: 48 @9579 has 48 MA's), (69, 9621), (89, 9702), (105, 9759), (113, 9798), (123, 9855), (127, 9870), (136, 9915), (145, 9954), (147, 9960), (148, 9963), (166, 10011), (170, 10026), (187, 10083),

Gene: Che9d_14 Start: 7688, Stop: 8281, Start Num: 62

Candidate Starts for Che9d_14:

(Start: 62 @7688 has 15 MA's), (69, 7706), (103, 7823), (110, 7862), (122, 7928), (131, 7961), (134, 7973), (138, 7997), (163, 8069), (165, 8078), (167, 8090), (172, 8102), (180, 8126), (184, 8144),

Gene: CheeseTouch_13 Start: 7501, Stop: 8073, Start Num: 61

Candidate Starts for CheeseTouch_13:

(Start: 61 @7501 has 156 MA's), (69, 7522), (77, 7543), (80, 7555), (118, 7714), (126, 7756), (134, 7789), (190, 7978), (211, 8062),

Gene: CheetoDust_18 Start: 10521, Stop: 11132, Start Num: 46

Candidate Starts for CheetoDust_18:

(Start: 46 @10521 has 210 MA's), (69, 10563), (103, 10686), (113, 10740), (123, 10797), (127, 10812), (142, 10881), (145, 10896), (147, 10902), (163, 10941), (175, 10980), (187, 11025), (189, 11040), (196, 11064), (210, 11121),

Gene: Cheetobro_19 Start: 11727, Stop: 12338, Start Num: 48

Candidate Starts for Cheetobro_19:

(Start: 48 @11727 has 48 MA's), (77, 11793), (79, 11799), (89, 11847), (105, 11904), (107, 11910), (111, 11931), (113, 11943), (123, 12000), (127, 12015), (145, 12099), (147, 12105), (163, 12144), (166, 12156), (170, 12171), (187, 12228), (189, 12243), (196, 12267), (202, 12297),

Gene: Cherrybomb426_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Cherrybomb426_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Chickaboom_12 Start: 8482, Stop: 9312, Start Num: 61

Candidate Starts for Chickaboom_12:

(Start: 61 @8482 has 156 MA's), (136, 8791), (154, 8857), (175, 8914), (192, 8986), (199, 9019), (212, 9073), (215, 9118), (218, 9193),

Gene: Chicken_13 Start: 8750, Stop: 9334, Start Num: 61

Candidate Starts for Chicken_13:

(Start: 61 @8750 has 156 MA's), (136, 9059), (176, 9185), (184, 9218), (199, 9287), (203, 9299),

Gene: ChiliPepper_12 Start: 8556, Stop: 9350, Start Num: 61

Candidate Starts for ChiliPepper_12:

(Start: 61 @8556 has 156 MA's), (Start: 64 @8562 has 2 MA's), (84, 8631), (103, 8703), (105, 8718), (145, 8910), (163, 8955), (176, 8997), (180, 9012), (208, 9129), (216, 9195), (221, 9303),

Gene: ChipsNGuac_14 Start: 8154, Stop: 8732, Start Num: 60

Candidate Starts for ChipsNGuac_14:

(Start: 60 @8154 has 11 MA's), (131, 8433), (157, 8535), (176, 8589), (209, 8721),

Gene: Chop_16 Start: 9733, Stop: 10278, Start Num: 57

Candidate Starts for Chop_16:

(Start: 57 @9733 has 57 MA's), (Start: 64 @9754 has 2 MA's), (80, 9802), (171, 10132),

Gene: Chris_17 Start: 9487, Stop: 10098, Start Num: 46

Candidate Starts for Chris_17:

(Start: 46 @9487 has 210 MA's), (69, 9529), (113, 9706), (123, 9763), (127, 9778), (136, 9823), (145, 9862), (147, 9868), (180, 9964), (189, 10006), (196, 10030), (202, 10060), (207, 10081),

Gene: Clayda5_11 Start: 8096, Stop: 8680, Start Num: 61

Candidate Starts for Clayda5_11:

(Start: 61 @8096 has 156 MA's), (Start: 64 @8102 has 2 MA's), (69, 8117), (71, 8123), (105, 8255), (136, 8408), (138, 8414), (145, 8447), (171, 8522), (174, 8528), (176, 8534),

Gene: CliffHanger_13 Start: 8293, Stop: 8880, Start Num: 61

Candidate Starts for CliffHanger_13:

(Start: 61 @8293 has 156 MA's), (Start: 64 @8299 has 2 MA's), (69, 8314), (103, 8434), (105, 8449), (145, 8641), (173, 8719),

Gene: Clipper_18 Start: 10521, Stop: 11132, Start Num: 46

Candidate Starts for Clipper_18:

(Start: 46 @10521 has 210 MA's), (69, 10563), (103, 10686), (113, 10740), (123, 10797), (127, 10812), (145, 10896), (147, 10902), (163, 10941), (175, 10980), (187, 11025), (189, 11040), (196, 11064), (210, 11121),

Gene: Cloudyecho_13 Start: 10076, Stop: 10699, Start Num: 46

Candidate Starts for Cloudyecho_13:

(Start: 46 @10076 has 210 MA's), (76, 10154), (89, 10211), (103, 10253), (105, 10268), (123, 10364), (127, 10379), (133, 10403), (136, 10424), (145, 10463), (153, 10487), (170, 10535), (180, 10565), (189, 10607),

Gene: Coleslaw_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Coleslaw_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Collard_16 Start: 10585, Stop: 11196, Start Num: 46

Candidate Starts for Collard_16:

(Start: 46 @10585 has 210 MA's), (69, 10630), (113, 10807), (123, 10864), (127, 10879), (131, 10894), (145, 10963), (147, 10969), (163, 11008), (170, 11035), (187, 11092), (189, 11107), (196, 11131), (202, 11161),

Gene: Coltrane_11 Start: 8096, Stop: 8680, Start Num: 61

Candidate Starts for Coltrane_11:

(Start: 61 @8096 has 156 MA's), (Start: 64 @8102 has 2 MA's), (69, 8117), (71, 8123), (105, 8255), (136, 8408), (138, 8414), (145, 8447), (171, 8522), (174, 8528), (176, 8534),

Gene: Colusalem_13 Start: 8803, Stop: 9384, Start Num: 61

Candidate Starts for Colusalem_13:

(Start: 61 @8803 has 156 MA's), (69, 8824), (93, 8911), (105, 8959), (136, 9112), (163, 9196), (174, 9232), (176, 9238), (184, 9271), (199, 9340),

Gene: Community_14 Start: 10530, Stop: 11081, Start Num: 68

Candidate Starts for Community_14:

(Start: 68 @10530 has 108 MA's), (131, 10794), (135, 10809),

Gene: Coral_13 Start: 8803, Stop: 9384, Start Num: 61

Candidate Starts for Coral_13:

(Start: 61 @8803 has 156 MA's), (69, 8824), (93, 8911), (105, 8959), (136, 9112), (163, 9196), (174, 9232), (176, 9238), (184, 9271), (199, 9340),

Gene: Cote_14 Start: 8964, Stop: 9545, Start Num: 61

Candidate Starts for Cote_14:

(Start: 61 @8964 has 156 MA's), (69, 8985), (93, 9072), (105, 9120), (136, 9273), (163, 9357), (174, 9393), (176, 9399), (184, 9432), (199, 9501),

Gene: Cracklewink_19 Start: 12607, Stop: 13194, Start Num: 61

Candidate Starts for Cracklewink_19:

(43, 12580), (Start: 61 @12607 has 156 MA's), (70, 12631), (78, 12652), (81, 12664), (116, 12817), (118, 12823), (127, 12871), (128, 12874), (131, 12886), (136, 12916), (163, 13000), (171, 13030), (183, 13066), (187, 13084), (194, 13117), (207, 13174), (208, 13177), (209, 13180),

Gene: Crater_13 Start: 7836, Stop: 8429, Start Num: 68

Candidate Starts for Crater_13:

(Start: 68 @7836 has 108 MA's), (74, 7857), (81, 7881), (107, 7995), (119, 8055), (123, 8085), (129, 8109), (131, 8115), (138, 8151), (139, 8154), (147, 8190), (163, 8229), (192, 8340),

Gene: Crespo_13 Start: 9855, Stop: 10469, Start Num: 46

Candidate Starts for Crespo_13:

(Start: 46 @9855 has 210 MA's), (69, 9900), (76, 9924), (98, 10002), (103, 10023), (105, 10038), (123, 10134), (127, 10149), (133, 10173), (136, 10194), (145, 10233), (153, 10257), (158, 10266), (163, 10278), (180, 10335), (187, 10362), (189, 10377), (196, 10401),

Gene: Crewmate_14 Start: 9913, Stop: 10470, Start Num: 68

Candidate Starts for Crewmate_14:

(Start: 68 @9913 has 108 MA's), (131, 10177), (135, 10192),

Gene: CrimD_18 Start: 10473, Stop: 11087, Start Num: 46

Candidate Starts for CrimD_18:

(Start: 46 @10473 has 210 MA's), (69, 10518), (103, 10641), (113, 10695), (123, 10752), (127, 10767), (145, 10851), (147, 10857), (163, 10896), (166, 10908), (175, 10935), (187, 10980), (189, 10995), (196, 11019), (210, 11076),

Gene: CroZenni_12 Start: 8320, Stop: 9117, Start Num: 61

Candidate Starts for CroZenni_12:

(16, 8116), (18, 8134), (49, 8290), (Start: 61 @8320 has 156 MA's), (Start: 64 @8326 has 2 MA's), (103, 8467), (105, 8482), (145, 8674), (176, 8761), (216, 8962), (219, 9058),

Gene: CupcakePrincess_12 Start: 8360, Stop: 9157, Start Num: 61

Candidate Starts for CupcakePrincess_12:

(16, 8156), (18, 8174), (49, 8330), (Start: 61 @8360 has 156 MA's), (Start: 64 @8366 has 2 MA's), (103, 8507), (105, 8522), (145, 8714), (176, 8801), (216, 9002),

Gene: Curiosium_19 Start: 9949, Stop: 10563, Start Num: 48

Candidate Starts for Curiosium_19:

(Start: 48 @9949 has 48 MA's), (69, 9994), (105, 10132), (113, 10171), (123, 10228), (131, 10258), (136, 10288), (145, 10327), (148, 10336), (163, 10372), (187, 10456), (196, 10495), (202, 10525), (207, 10546),

Gene: Cyan_13 Start: 9468, Stop: 10019, Start Num: 68

Candidate Starts for Cyan_13:

(Start: 68 @9468 has 108 MA's), (124, 9711), (131, 9732), (135, 9747), (194, 9951),

Gene: Cygnet_13 Start: 8759, Stop: 9340, Start Num: 61

Candidate Starts for Cygnet_13:

(Start: 61 @8759 has 156 MA's), (69, 8780), (136, 9068), (175, 9191), (190, 9254), (208, 9326),

Gene: DMoney_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for DMoney_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: DNAIII_0013 Start: 9863, Stop: 10477, Start Num: 46

Candidate Starts for DNAIII_0013:

(Start: 46 @9863 has 210 MA's), (69, 9908), (76, 9932), (98, 10010), (103, 10031), (105, 10046), (123, 10142), (127, 10157), (133, 10181), (136, 10202), (145, 10241), (153, 10265), (158, 10274), (163, 10286), (180, 10343), (187, 10370), (189, 10385), (196, 10409),

Gene: DS6A_16 Start: 10775, Stop: 11446, Start Num: 62

Candidate Starts for DS6A_16:

(Start: 62 @10775 has 15 MA's), (100, 10898), (103, 10913), (124, 11027), (136, 11084), (138, 11090), (145, 11123), (163, 11168), (164, 11171), (184, 11267), (186, 11273),

Gene: Dadosky_16 Start: 10501, Stop: 11112, Start Num: 46

Candidate Starts for Dadosky_16:

(Start: 46 @10501 has 210 MA's), (69, 10546), (123, 10780), (127, 10795), (131, 10810), (145, 10879), (147, 10885), (163, 10924), (166, 10936), (170, 10951), (187, 11008), (189, 11023), (196, 11047), (202, 11077),

Gene: Daegal_16 Start: 10229, Stop: 10768, Start Num: 57

Candidate Starts for Daegal_16:

(Start: 57 @10229 has 57 MA's), (Start: 64 @10250 has 2 MA's), (65, 10253), (Start: 67 @10256 has 1 MA's), (73, 10274), (88, 10340), (103, 10376), (118, 10457), (123, 10490), (131, 10514), (150, 10562), (161, 10586), (174, 10628), (194, 10709),

Gene: Dalmuri_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Dalmuri_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: Damocles_14 Start: 8964, Stop: 9545, Start Num: 61

Candidate Starts for Damocles_14:

(Start: 61 @8964 has 156 MA's), (69, 8985), (93, 9072), (105, 9120), (136, 9273), (163, 9357), (174, 9393), (176, 9399), (184, 9432), (199, 9501),

Gene: DanHam62_12 Start: 8378, Stop: 8959, Start Num: 61

Candidate Starts for DanHam62_12:

(Start: 61 @8378 has 156 MA's), (69, 8399), (136, 8687), (163, 8771), (175, 8810), (176, 8813), (184, 8846), (199, 8915), (208, 8945),

Gene: DanSyl44_19 Start: 11730, Stop: 12341, Start Num: 48

Candidate Starts for DanSyl44_19:

(Start: 48 @11730 has 48 MA's), (77, 11796), (79, 11802), (89, 11850), (105, 11907), (107, 11913), (111, 11934), (113, 11946), (123, 12003), (127, 12018), (145, 12102), (147, 12108), (163, 12147), (166, 12159), (170, 12174), (187, 12231), (189, 12246), (196, 12270), (202, 12300),

Gene: Daob_14 Start: 8967, Stop: 9548, Start Num: 61

Candidate Starts for Daob_14:

(Start: 61 @8967 has 156 MA's), (69, 8988), (93, 9075), (105, 9123), (136, 9276), (163, 9360), (174, 9396), (176, 9402), (184, 9435), (199, 9504),

Gene: Darionha_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Darionha_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: DartGoblin_18 Start: 10425, Stop: 11039, Start Num: 46

Candidate Starts for DartGoblin_18:

(Start: 46 @10425 has 210 MA's), (69, 10470), (113, 10647), (123, 10704), (127, 10719), (131, 10734), (136, 10764), (145, 10803), (147, 10809), (163, 10848), (175, 10887), (187, 10932), (189, 10947), (196, 10971),

Gene: DarthP_17 Start: 10531, Stop: 11145, Start Num: 48

Candidate Starts for DarthP_17:

(Start: 48 @10531 has 48 MA's), (Start: 61 @10555 has 156 MA's), (69, 10576), (107, 10720), (113, 10753), (123, 10810), (127, 10825), (145, 10909), (147, 10915), (163, 10954), (166, 10966), (175, 10993), (189, 11053), (196, 11077), (202, 11107),

Gene: Dartin_18 Start: 9573, Stop: 10184, Start Num: 48

Candidate Starts for Dartin_18:

(Start: 48 @9573 has 48 MA's), (69, 9615), (105, 9753), (113, 9792), (123, 9849), (127, 9864), (136, 9909), (145, 9948), (147, 9954), (148, 9957), (166, 10005), (170, 10020), (187, 10077),

Gene: DearBasketball_12 Start: 7930, Stop: 8496, Start Num: 57

Candidate Starts for DearBasketball_12:

(3, 7507), (4, 7522), (9, 7645), (12, 7705), (Start: 57 @7930 has 57 MA's), (121, 8185), (158, 8290), (165, 8308), (181, 8362),

Gene: Deby_18 Start: 10475, Stop: 11089, Start Num: 46

Candidate Starts for Deby_18:

(Start: 46 @10475 has 210 MA's), (69, 10520), (103, 10643), (113, 10697), (123, 10754), (127, 10769), (145, 10853), (147, 10859), (163, 10898), (166, 10910), (175, 10937), (187, 10982), (189, 10997), (196, 11021), (210, 11078),

Gene: DeepSoil15_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for DeepSoil15_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: DelRio_17 Start: 10210, Stop: 10755, Start Num: 57

Candidate Starts for DelRio_17:

(Start: 57 @10210 has 57 MA's), (Start: 64 @10231 has 2 MA's), (80, 10279), (171, 10609), (203, 10735),

Gene: Demsculpinboyz_14 Start: 7679, Stop: 8272, Start Num: 62

Candidate Starts for Demsculpinboyz_14:

(Start: 62 @7679 has 15 MA's), (69, 7697), (103, 7814), (110, 7853), (122, 7919), (131, 7952), (134, 7964), (138, 7988), (163, 8060), (165, 8069), (167, 8081), (172, 8093), (180, 8117), (184, 8135),

Gene: Devera_18 Start: 10492, Stop: 11106, Start Num: 46

Candidate Starts for Devera_18:

(Start: 46 @10492 has 210 MA's), (69, 10537), (103, 10660), (113, 10714), (123, 10771), (127, 10786), (136, 10831), (145, 10870), (147, 10876), (163, 10915), (166, 10927), (175, 10954), (187, 10999), (189, 11014), (196, 11038),

Gene: Dewey_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for Dewey_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: DickRichards_12 Start: 8814, Stop: 9611, Start Num: 61

Candidate Starts for DickRichards_12:

(16, 8610), (18, 8628), (49, 8784), (Start: 61 @8814 has 156 MA's), (Start: 64 @8820 has 2 MA's), (103, 8961), (105, 8976), (145, 9168), (176, 9255), (216, 9456), (219, 9552),

Gene: Didgeridoo_13 Start: 8549, Stop: 9343, Start Num: 61

Candidate Starts for Didgeridoo_13:

(Start: 61 @8549 has 156 MA's), (103, 8696), (105, 8711), (145, 8903), (163, 8948), (176, 8990), (216, 9188),

Gene: DingDing_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for DingDing_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: DinoNuggs_13 Start: 8077, Stop: 8643, Start Num: 57

Candidate Starts for DinoNuggs_13:

(Start: 57 @8077 has 57 MA's), (86, 8176), (121, 8332), (158, 8437), (181, 8509),

Gene: DirtyBubble_12 Start: 8579, Stop: 9376, Start Num: 61

Candidate Starts for DirtyBubble_12:

(Start: 61 @8579 has 156 MA's), (Start: 64 @8585 has 2 MA's), (105, 8744), (138, 8903), (145, 8936), (163, 8981), (208, 9155), (216, 9221),

Gene: DismalFunk_14 Start: 8532, Stop: 9146, Start Num: 44

Candidate Starts for DismalFunk_14:

(Start: 44 @8532 has 8 MA's), (Start: 67 @8571 has 1 MA's), (69, 8580), (123, 8814), (127, 8829), (131, 8844), (136, 8874), (145, 8913), (147, 8919), (162, 8955), (166, 8970), (175, 8997), (187, 9042), (189, 9057), (196, 9081),

Gene: DismalStressor_14 Start: 8532, Stop: 9146, Start Num: 44

Candidate Starts for DismalStressor_14:

(Start: 44 @8532 has 8 MA's), (Start: 67 @8571 has 1 MA's), (69, 8580), (123, 8814), (127, 8829), (131, 8844), (136, 8874), (145, 8913), (147, 8919), (162, 8955), (166, 8970), (175, 8997), (187, 9042), (189, 9057), (196, 9081),

Gene: Dismas_12 Start: 8556, Stop: 9350, Start Num: 61

Candidate Starts for Dismas_12:

(Start: 61 @8556 has 156 MA's), (Start: 64 @8562 has 2 MA's), (84, 8631), (103, 8703), (105, 8718), (145, 8910), (163, 8955), (176, 8997), (180, 9012), (208, 9129), (216, 9195), (221, 9303),

Gene: Dole_18 Start: 10494, Stop: 11108, Start Num: 46

Candidate Starts for Dole_18:

(Start: 46 @10494 has 210 MA's), (69, 10539), (103, 10662), (113, 10716), (123, 10773), (127, 10788), (136, 10833), (145, 10872), (147, 10878), (163, 10917), (166, 10929), (175, 10956), (187, 11001), (189, 11016), (196, 11040),

Gene: Donkey_13 Start: 8889, Stop: 9449, Start Num: 68

Candidate Starts for Donkey_13:

(Start: 68 @8889 has 108 MA's), (124, 9132), (135, 9168), (150, 9225), (190, 9357),

Gene: DonkeyMan_12 Start: 7926, Stop: 8492, Start Num: 57

Candidate Starts for DonkeyMan_12:

(Start: 57 @7926 has 57 MA's), (86, 8025), (121, 8181), (158, 8286), (165, 8304), (181, 8358),

Gene: Doobus_12 Start: 8551, Stop: 9348, Start Num: 61

Candidate Starts for Doobus_12:

(8, 8251), (16, 8347), (18, 8365), (31, 8467), (49, 8521), (Start: 61 @8551 has 156 MA's), (Start: 64 @8557 has 2 MA's), (103, 8698), (105, 8713), (145, 8905), (176, 8992), (216, 9193), (219, 9289),

Gene: DoubleChamp_16 Start: 10585, Stop: 11196, Start Num: 46

Candidate Starts for DoubleChamp_16:

(Start: 46 @10585 has 210 MA's), (69, 10630), (113, 10807), (123, 10864), (127, 10879), (131, 10894), (145, 10963), (147, 10969), (163, 11008), (170, 11035), (187, 11092), (189, 11107), (196, 11131), (202, 11161),

Gene: Doughnut_14 Start: 8522, Stop: 9145, Start Num: 42

Candidate Starts for Doughnut_14:

(26, 8456), (Start: 42 @8522 has 3 MA's), (Start: 67 @8570 has 1 MA's), (69, 8579), (105, 8717), (123, 8813), (127, 8828), (131, 8843), (136, 8873), (145, 8912), (147, 8918), (148, 8921), (163, 8957), (166, 8969), (170, 8984), (187, 9041), (189, 9056), (196, 9080),

Gene: DrHayes_18 Start: 10446, Stop: 11060, Start Num: 46

Candidate Starts for DrHayes_18:

(Start: 46 @10446 has 210 MA's), (59, 10464), (69, 10491), (113, 10668), (123, 10725), (127, 10740), (131, 10755), (136, 10785), (145, 10824), (147, 10830), (163, 10869), (166, 10881), (175, 10908), (187, 10953), (189, 10968), (196, 10992),

Gene: DrManhattan_13 Start: 9448, Stop: 9996, Start Num: 68

Candidate Starts for DrManhattan_13:

(Start: 68 @9448 has 108 MA's), (135, 9727), (180, 9871), (190, 9916),

Gene: DrSierra_13 Start: 9480, Stop: 10028, Start Num: 68

Candidate Starts for DrSierra_13:

(66, 9474), (Start: 68 @9480 has 108 MA's), (170, 9873), (180, 9903), (195, 9966),

Gene: DumpsterDude_13 Start: 8440, Stop: 8982, Start Num: 57

Candidate Starts for DumpsterDude_13:

(17, 8254), (36, 8389), (Start: 57 @8440 has 57 MA's), (80, 8509), (116, 8668), (118, 8674), (150, 8779), (203, 8965),

Gene: Durfee_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Durfee_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: ECartman_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for ECartman_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163,

10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Ecliptus_13 Start: 7565, Stop: 8158, Start Num: 68

Candidate Starts for Ecliptus_13:

(Start: 68 @7565 has 108 MA's), (74, 7586), (81, 7610), (117, 7778), (119, 7784), (131, 7844), (138, 7880), (139, 7883), (147, 7919),

Gene: Eden_11 Start: 8192, Stop: 8782, Start Num: 61

Candidate Starts for Eden_11:

(21, 8039), (23, 8051), (27, 8078), (Start: 61 @8192 has 156 MA's), (69, 8213), (78, 8240), (103, 8336), (105, 8351), (145, 8543), (173, 8621), (174, 8624), (176, 8630), (192, 8699),

Gene: Edugator_15 Start: 10501, Stop: 11112, Start Num: 46

Candidate Starts for Edugator_15:

(Start: 46 @10501 has 210 MA's), (69, 10546), (123, 10780), (127, 10795), (131, 10810), (145, 10879), (147, 10885), (163, 10924), (170, 10951), (187, 11008), (189, 11023), (196, 11047), (202, 11077),

Gene: Eesa_13 Start: 8964, Stop: 9548, Start Num: 61

Candidate Starts for Eesa_13:

(Start: 61 @8964 has 156 MA's), (136, 9273), (184, 9432), (199, 9501), (203, 9513),

Gene: Efra2_18 Start: 9439, Stop: 10053, Start Num: 48

Candidate Starts for Efra2_18:

(Start: 48 @9439 has 48 MA's), (105, 9622), (113, 9661), (123, 9718), (131, 9748), (136, 9778), (145, 9817), (147, 9823), (163, 9862), (166, 9874), (187, 9946), (196, 9985), (202, 10015), (207, 10036),

Gene: Ein37_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for Ein37_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: Ekdilam_15 Start: 10249, Stop: 10860, Start Num: 48

Candidate Starts for Ekdilam_15:

(Start: 48 @10249 has 48 MA's), (69, 10291), (107, 10435), (113, 10468), (123, 10525), (127, 10540), (145, 10624), (147, 10630), (163, 10669), (166, 10681), (189, 10768), (196, 10792), (202, 10822),

Gene: Elezi_13 Start: 9449, Stop: 10000, Start Num: 68

Candidate Starts for Elezi_13:

(Start: 68 @9449 has 108 MA's), (131, 9713), (135, 9728), (194, 9932),

Gene: Elfy_11 Start: 7126, Stop: 7710, Start Num: 62

Candidate Starts for Elfy_11:

(Start: 62 @7126 has 15 MA's), (78, 7174), (95, 7234), (108, 7291), (110, 7303), (115, 7336), (120, 7351), (151, 7489), (163, 7516), (180, 7573), (188, 7612), (192, 7627), (194, 7633),

Gene: Ellie_15 Start: 10291, Stop: 10902, Start Num: 48

Candidate Starts for Ellie_15:

(Start: 22 @10186 has 1 MA's), (32, 10249), (34, 10258), (Start: 48 @10291 has 48 MA's), (69, 10333), (103, 10456), (107, 10477), (113, 10510), (123, 10567), (127, 10582), (145, 10666), (147, 10672), (163, 10711), (166, 10723), (175, 10750), (189, 10810), (196, 10834),

Gene: Elva_13 Start: 8634, Stop: 9431, Start Num: 61

Candidate Starts for Elva_13:

(Start: 61 @8634 has 156 MA's), (Start: 64 @8640 has 2 MA's), (86, 8718), (103, 8784), (105, 8799), (138, 8958), (145, 8991), (163, 9036), (176, 9078), (216, 9276), (221, 9384),

Gene: Emerson_18 Start: 10504, Stop: 11115, Start Num: 46

Candidate Starts for Emerson_18:

(Start: 46 @10504 has 210 MA's), (69, 10546), (113, 10723), (123, 10780), (127, 10795), (145, 10879), (147, 10885), (163, 10924), (166, 10936), (175, 10963), (187, 11008), (189, 11023), (196, 11047), (210, 11104),

Gene: Emotion_12 Start: 7771, Stop: 8325, Start Num: 68

Candidate Starts for Emotion_12:

(Start: 68 @7771 has 108 MA's), (81, 7816), (83, 7822), (97, 7873), (162, 8131),

Gene: Enkosi_14 Start: 9777, Stop: 10388, Start Num: 46

Candidate Starts for Enkosi_14:

(Start: 46 @9777 has 210 MA's), (Start: 61 @9798 has 156 MA's), (69, 9819), (103, 9942), (105, 9957), (113, 9996), (123, 10053), (127, 10068), (136, 10113), (145, 10152), (147, 10158), (163, 10197), (166, 10209), (187, 10281), (189, 10296), (196, 10320), (202, 10350),

Gene: Eponine_19 Start: 11592, Stop: 12203, Start Num: 48

Candidate Starts for Eponine_19:

(Start: 48 @11592 has 48 MA's), (77, 11658), (79, 11664), (89, 11712), (105, 11769), (107, 11775), (111, 11796), (113, 11808), (123, 11865), (127, 11880), (131, 11895), (145, 11964), (147, 11970), (170, 12036), (187, 12093), (189, 12108), (196, 12132), (202, 12162),

Gene: Eraser_13 Start: 9449, Stop: 10000, Start Num: 68

Candidate Starts for Eraser_13:

(Start: 68 @9449 has 108 MA's), (131, 9713), (135, 9728), (194, 9932),

Gene: Eula_12 Start: 8321, Stop: 9118, Start Num: 61

Candidate Starts for Eula_12:

(18, 8135), (49, 8291), (Start: 61 @8321 has 156 MA's), (Start: 64 @8327 has 2 MA's), (103, 8468), (105, 8483), (145, 8675), (163, 8720), (176, 8762), (216, 8963),

Gene: Evanesce_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for Evanesce_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: Exile_12 Start: 9368, Stop: 9916, Start Num: 68

Candidate Starts for Exile_12:

(Start: 68 @9368 has 108 MA's), (81, 9413), (195, 9851), (196, 9854), (203, 9887),

Gene: Ezurina_13 Start: 7722, Stop: 8300, Start Num: 60

Candidate Starts for Ezurina_13:

(Start: 60 @7722 has 11 MA's), (157, 8103), (176, 8157), (209, 8289),

Gene: FF47_15 Start: 9310, Stop: 9951, Start Num: 48

Candidate Starts for FF47_15:

(Start: 48 @9310 has 48 MA's), (Start: 67 @9343 has 1 MA's), (69, 9352), (90, 9436), (103, 9475), (105, 9490), (126, 9595), (131, 9616), (133, 9625), (136, 9646), (145, 9685), (153, 9709), (183, 9796),

(187, 9814), (188, 9826), (191, 9835),

Gene: Faiyaz_19 Start: 12547, Stop: 13128, Start Num: 61

Candidate Starts for Faiyaz_19:

(Start: 39 @12487 has 2 MA's), (50, 12517), (Start: 61 @12547 has 156 MA's), (78, 12592), (118, 12763), (128, 12814), (131, 12826), (136, 12856), (163, 12940), (171, 12970), (187, 13024), (208, 13117),

Gene: Fefferhead_17 Start: 10458, Stop: 11069, Start Num: 48

Candidate Starts for Fefferhead_17:

(Start: 22 @10353 has 1 MA's), (32, 10416), (34, 10425), (Start: 48 @10458 has 48 MA's), (69, 10500), (103, 10623), (107, 10644), (113, 10677), (123, 10734), (127, 10749), (145, 10833), (147, 10839), (163, 10878), (166, 10890), (175, 10917), (189, 10977), (196, 11001),

Gene: Feyre_16 Start: 10448, Stop: 11059, Start Num: 46

Candidate Starts for Feyre_16:

(Start: 46 @10448 has 210 MA's), (69, 10493), (81, 10535), (113, 10670), (123, 10727), (127, 10742), (131, 10757), (145, 10826), (147, 10832), (163, 10871), (166, 10883), (170, 10898), (183, 10937), (187, 10955), (189, 10970), (196, 10994), (202, 11024),

Gene: Finalfrontier_13 Start: 8833, Stop: 9630, Start Num: 61

Candidate Starts for Finalfrontier_13:

(16, 8629), (18, 8647), (49, 8803), (Start: 61 @8833 has 156 MA's), (Start: 64 @8839 has 2 MA's), (103, 8980), (105, 8995), (145, 9187), (176, 9274), (216, 9475),

Gene: Findley_14 Start: 8532, Stop: 9146, Start Num: 44

Candidate Starts for Findley_14:

(Start: 44 @8532 has 8 MA's), (Start: 67 @8571 has 1 MA's), (69, 8580), (123, 8814), (127, 8829), (131, 8844), (136, 8874), (145, 8913), (147, 8919), (162, 8955), (166, 8970), (175, 8997), (187, 9042), (189, 9057), (196, 9081),

Gene: Fingolfin_12 Start: 8379, Stop: 8960, Start Num: 61

Candidate Starts for Fingolfin_12:

(Start: 61 @8379 has 156 MA's), (69, 8400), (136, 8688), (163, 8772), (175, 8811), (176, 8814), (184, 8847), (199, 8916), (208, 8946),

Gene: Fionnbharth_19 Start: 11717, Stop: 12328, Start Num: 48

Candidate Starts for Fionnbharth_19:

(Start: 48 @11717 has 48 MA's), (77, 11783), (79, 11789), (89, 11837), (105, 11894), (107, 11900), (111, 11921), (113, 11933), (123, 11990), (127, 12005), (145, 12089), (147, 12095), (163, 12134), (166, 12146), (170, 12161), (187, 12218), (189, 12233), (196, 12257), (202, 12287),

Gene: FiveHead_12 Start: 7693, Stop: 8247, Start Num: 68

Candidate Starts for FiveHead_12:

(Start: 68 @7693 has 108 MA's), (131, 7957), (135, 7972),

Gene: FlagStaff_13 Start: 9947, Stop: 10567, Start Num: 46

Candidate Starts for FlagStaff_13:

(Start: 46 @9947 has 210 MA's), (76, 10022), (89, 10079), (103, 10121), (105, 10136), (123, 10232), (127, 10247), (133, 10271), (145, 10331), (153, 10355), (170, 10403), (180, 10433), (189, 10475), (196, 10499), (202, 10529),

Gene: FlameThrower_12 Start: 8288, Stop: 8878, Start Num: 61

Candidate Starts for FlameThrower_12:

(Start: 61 @8288 has 156 MA's), (Start: 64 @8294 has 2 MA's), (69, 8309), (78, 8336), (99, 8414), (103, 8432), (105, 8447), (136, 8600), (145, 8639), (147, 8645), (163, 8684), (175, 8723), (181, 8744),

Gene: Floof_12 Start: 8217, Stop: 8795, Start Num: 68

Candidate Starts for Floof_12:

(Start: 68 @8217 has 108 MA's), (85, 8286), (152, 8562), (175, 8625), (180, 8643), (199, 8730),

Gene: Flutur_13 Start: 9467, Stop: 10018, Start Num: 68

Candidate Starts for Flutur_13:

(Start: 68 @9467 has 108 MA's), (83, 9518), (124, 9710), (131, 9731), (135, 9746), (194, 9950),

Gene: Forester_12 Start: 9770, Stop: 10336, Start Num: 68

Candidate Starts for Forester_12:

(Start: 68 @9770 has 108 MA's), (85, 9839), (124, 10016), (152, 10115), (176, 10181), (195, 10259), (199, 10283),

Gene: Forge_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for Forge_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: Francois_16 Start: 9714, Stop: 10259, Start Num: 57

Candidate Starts for Francois_16:

(Start: 57 @9714 has 57 MA's), (Start: 64 @9735 has 2 MA's), (171, 10113), (203, 10239),

Gene: Franklin22_11 Start: 8165, Stop: 8755, Start Num: 61

Candidate Starts for Franklin22_11:

(25, 8033), (Start: 61 @8165 has 156 MA's), (Start: 64 @8171 has 2 MA's), (69, 8186), (94, 8276), (103, 8309), (105, 8324), (136, 8477), (145, 8516), (171, 8591), (174, 8597), (176, 8603),

Gene: Frickyeah_13 Start: 7514, Stop: 8086, Start Num: 61

Candidate Starts for Frickyeah_13:

(Start: 61 @7514 has 156 MA's), (69, 7535), (77, 7556), (80, 7568), (118, 7727), (126, 7769), (134, 7802), (190, 7991), (211, 8075),

Gene: Frosty24_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Frosty24_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Fryberger_45 Start: 16970, Stop: 17527, Start Num: 62

Candidate Starts for Fryberger_45:

(Start: 62 @16970 has 15 MA's), (69, 16988), (87, 17051), (136, 17276), (144, 17294), (147, 17303), (163, 17342), (166, 17354), (188, 17441),

Gene: Gack_11 Start: 8231, Stop: 8821, Start Num: 61

Candidate Starts for Gack_11:

(25, 8099), (Start: 61 @8231 has 156 MA's), (Start: 64 @8237 has 2 MA's), (69, 8252), (103, 8375), (105, 8390), (136, 8543), (138, 8549), (145, 8582), (174, 8663), (208, 8801),

Gene: Gaia_10 Start: 8073, Stop: 8660, Start Num: 61

Candidate Starts for Gaia_10:

(Start: 61 @8073 has 156 MA's), (87, 8154), (100, 8193), (108, 8235), (119, 8289), (125, 8325), (147, 8424), (160, 8454), (184, 8544), (194, 8586), (201, 8619),

Gene: Galaxy_13 Start: 8808, Stop: 9638, Start Num: 61

Candidate Starts for Galaxy_13:

(Start: 61 @8808 has 156 MA's), (136, 9117), (154, 9183), (175, 9240), (184, 9276), (192, 9312), (199, 9345), (212, 9399), (215, 9444), (217, 9498), (218, 9519),

Gene: Gambol_13 Start: 8889, Stop: 9449, Start Num: 68

Candidate Starts for Gambol_13:

(Start: 68 @8889 has 108 MA's), (124, 9132), (135, 9168), (150, 9225), (190, 9357),

Gene: Gancho_14 Start: 9638, Stop: 10177, Start Num: 57

Candidate Starts for Gancho_14:

(Start: 57 @9638 has 57 MA's), (Start: 64 @9659 has 2 MA's), (65, 9662), (Start: 67 @9665 has 1 MA's), (73, 9683), (88, 9749), (103, 9785), (123, 9899), (131, 9923), (132, 9926), (150, 9971), (161, 9995), (174, 10037), (194, 10118),

Gene: Ganymede_19 Start: 10521, Stop: 11135, Start Num: 46

Candidate Starts for Ganymede_19:

(Start: 46 @10521 has 210 MA's), (69, 10566), (103, 10689), (113, 10743), (123, 10800), (127, 10815), (145, 10899), (147, 10905), (163, 10944), (166, 10956), (175, 10983), (187, 11028), (189, 11043), (196, 11067),

Gene: GardenState_12 Start: 8881, Stop: 9447, Start Num: 68

Candidate Starts for GardenState_12:

(Start: 68 @8881 has 108 MA's), (114, 9079), (152, 9226),

Gene: Gengar_16 Start: 10555, Stop: 11166, Start Num: 46

Candidate Starts for Gengar_16:

(Start: 46 @10555 has 210 MA's), (69, 10600), (113, 10777), (123, 10834), (127, 10849), (131, 10864), (145, 10933), (147, 10939), (163, 10978), (166, 10990), (170, 11005), (183, 11044), (187, 11062), (189, 11077), (196, 11101), (202, 11131),

Gene: Geraldini_18 Start: 10524, Stop: 11135, Start Num: 46

Candidate Starts for Geraldini_18:

(Start: 46 @10524 has 210 MA's), (69, 10566), (103, 10689), (113, 10743), (123, 10800), (127, 10815), (145, 10899), (147, 10905), (163, 10944), (166, 10956), (175, 10983), (187, 11028), (189, 11043), (196, 11067),

Gene: Gerri43_14 Start: 8154, Stop: 8732, Start Num: 60

Candidate Starts for Gerri43_14:

(Start: 60 @8154 has 11 MA's), (131, 8433), (157, 8535), (176, 8589), (209, 8721),

Gene: Getalong_13 Start: 7496, Stop: 8068, Start Num: 61

Candidate Starts for Getalong_13:

(Start: 61 @7496 has 156 MA's), (69, 7517), (77, 7538), (80, 7550), (118, 7709), (126, 7751), (134, 7784), (190, 7973), (211, 8057),

Gene: Gibbzilla_14 Start: 8211, Stop: 8789, Start Num: 61

Candidate Starts for Gibbzilla_14:

(Start: 61 @8211 has 156 MA's), (70, 8235), (105, 8361), (163, 8601), (181, 8661),

Gene: Gideon_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Gideon_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Giles_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for Giles_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: Giorgio_13 Start: 8982, Stop: 9551, Start Num: 68

Candidate Starts for Giorgio_13:

(Start: 68 @8982 has 108 MA's), (124, 9225), (135, 9261), (152, 9324), (189, 9447), (199, 9492), (204, 9507),

Gene: Glotell_12 Start: 8378, Stop: 8959, Start Num: 61

Candidate Starts for Glotell_12:

(Start: 61 @8378 has 156 MA's), (69, 8399), (136, 8687), (163, 8771), (175, 8810), (176, 8813), (184, 8846), (199, 8915), (208, 8945),

Gene: GodSpeed_13 Start: 9929, Stop: 10549, Start Num: 46

Candidate Starts for GodSpeed_13:

(2, 9530), (11, 9719), (20, 9803), (Start: 46 @9929 has 210 MA's), (76, 10004), (89, 10061), (103, 10103), (105, 10118), (123, 10214), (127, 10229), (133, 10253), (145, 10313), (153, 10337), (170, 10385), (175, 10397), (180, 10415), (189, 10457), (202, 10511),

Gene: GoldenAsh_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for GoldenAsh_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Gomashi_13 Start: 9855, Stop: 10469, Start Num: 46

Candidate Starts for Gomashi_13:

(Start: 46 @9855 has 210 MA's), (69, 9900), (76, 9924), (98, 10002), (103, 10023), (105, 10038), (123, 10134), (127, 10149), (133, 10173), (136, 10194), (145, 10233), (153, 10257), (158, 10266), (163, 10278), (180, 10335), (187, 10362), (189, 10377), (196, 10401),

Gene: GramZayde_13 Start: 8803, Stop: 9384, Start Num: 61

Candidate Starts for GramZayde_13:

(Start: 61 @8803 has 156 MA's), (69, 8824), (93, 8911), (105, 8959), (136, 9112), (163, 9196), (174, 9232), (176, 9238), (184, 9271), (199, 9340),

Gene: GrandSlam_16 Start: 9733, Stop: 10278, Start Num: 57

Candidate Starts for GrandSlam_16:

(Start: 57 @9733 has 57 MA's), (Start: 64 @9754 has 2 MA's), (80, 9802), (171, 10132),

Gene: Gravaillia_15 Start: 9671, Stop: 10210, Start Num: 57

Candidate Starts for Gravaillia_15:

(Start: 57 @9671 has 57 MA's), (Start: 64 @9692 has 2 MA's), (65, 9695), (Start: 67 @9698 has 1 MA's), (73, 9716), (88, 9782), (103, 9818), (123, 9932), (131, 9956), (132, 9959), (150, 10004), (161, 10028), (174, 10070), (194, 10151),

Gene: Gravel_14 Start: 8960, Stop: 9544, Start Num: 61

Candidate Starts for Gravel_14:

(Start: 61 @8960 has 156 MA's), (184, 9428), (199, 9497), (203, 9509),

Gene: Gretchen_12 Start: 9764, Stop: 10330, Start Num: 68

Candidate Starts for Gretchen_12:

(Start: 68 @9764 has 108 MA's), (85, 9833), (124, 10010), (152, 10109), (176, 10175), (195, 10253), (199, 10277),

Gene: GrimEater_13 Start: 7199, Stop: 7771, Start Num: 62

Candidate Starts for GrimEater_13:

(Start: 62 @7199 has 15 MA's), (78, 7247), (115, 7409), (151, 7550), (155, 7562), (180, 7634), (188, 7673),

Gene: Grizzly_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Grizzly_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (131, 10163), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Guanica15_18 Start: 9455, Stop: 10069, Start Num: 48

Candidate Starts for Guanica15_18:

(Start: 48 @9455 has 48 MA's), (105, 9638), (113, 9677), (123, 9734), (131, 9764), (136, 9794), (145, 9833), (147, 9839), (163, 9878), (166, 9890), (187, 9962), (196, 10001), (202, 10031), (207, 10052),

Gene: Guey18_50 Start: 18163, Stop: 18720, Start Num: 62

Candidate Starts for Guey18_50:

(Start: 62 @18163 has 15 MA's), (69, 18181), (87, 18244), (136, 18469), (144, 18487), (147, 18496), (163, 18535), (166, 18547), (188, 18634),

Gene: Guillsminger_16 Start: 10530, Stop: 11141, Start Num: 46

Candidate Starts for Guillsminger_16:

(Start: 46 @10530 has 210 MA's), (69, 10575), (113, 10752), (123, 10809), (127, 10824), (131, 10839), (145, 10908), (147, 10914), (163, 10953), (166, 10965), (170, 10980), (183, 11019), (187, 11037), (189, 11052), (196, 11076), (202, 11106),

Gene: Gumpizza_13 Start: 8981, Stop: 9541, Start Num: 68

Candidate Starts for Gumpizza_13:

(Start: 68 @8981 has 108 MA's), (124, 9224), (135, 9260), (152, 9323), (190, 9449), (204, 9506),

Gene: Gustav_11 Start: 7634, Stop: 8188, Start Num: 51

Candidate Starts for Gustav_11:

(Start: 51 @7634 has 2 MA's), (Start: 57 @7646 has 57 MA's), (76, 7700), (85, 7742), (88, 7757), (118, 7880), (121, 7901), (177, 8063), (205, 8177),

Gene: HH92_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for HH92_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271),

(161, 10295), (174, 10337), (194, 10418),

Gene: Hadrien_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for Hadrien_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: Hail_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for Hail_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: Halo_13 Start: 9849, Stop: 10463, Start Num: 46

Candidate Starts for Halo_13:

(Start: 46 @9849 has 210 MA's), (69, 9894), (76, 9918), (103, 10017), (105, 10032), (123, 10128), (127, 10143), (131, 10158), (133, 10167), (136, 10188), (145, 10227), (153, 10251), (158, 10260), (163, 10272), (180, 10329), (187, 10356), (189, 10371), (196, 10395),

Gene: Halsey_13 Start: 8980, Stop: 9540, Start Num: 68

Candidate Starts for Halsey_13:

(Start: 68 @8980 has 108 MA's), (124, 9223), (135, 9259), (152, 9322), (190, 9448), (204, 9505),

Gene: HamCheese_12 Start: 8378, Stop: 8959, Start Num: 61

Candidate Starts for HamCheese_12:

(Start: 61 @8378 has 156 MA's), (69, 8399), (136, 8687), (163, 8771), (175, 8810), (176, 8813), (184, 8846), (199, 8915), (208, 8945),

Gene: Hammy_17 Start: 10525, Stop: 11139, Start Num: 48

Candidate Starts for Hammy_17:

(Start: 48 @10525 has 48 MA's), (Start: 61 @10549 has 156 MA's), (69, 10570), (107, 10714), (113, 10747), (123, 10804), (127, 10819), (145, 10903), (147, 10909), (163, 10948), (166, 10960), (175, 10987), (189, 11047), (196, 11071), (202, 11101),

Gene: Hamood_16 Start: 9733, Stop: 10278, Start Num: 57

Candidate Starts for Hamood_16:

(Start: 57 @9733 has 57 MA's), (Start: 64 @9754 has 2 MA's), (80, 9802), (171, 10132),

Gene: HannahPhantana_14 Start: 8967, Stop: 9548, Start Num: 61

Candidate Starts for HannahPhantana_14:

(Start: 61 @8967 has 156 MA's), (69, 8988), (93, 9075), (105, 9123), (136, 9276), (163, 9360), (174, 9396), (176, 9402), (184, 9435), (199, 9504),

Gene: HedwigODU_18 Start: 10504, Stop: 11118, Start Num: 46

Candidate Starts for HedwigODU_18:

(Start: 46 @10504 has 210 MA's), (69, 10549), (103, 10672), (113, 10726), (123, 10783), (127, 10798), (145, 10882), (147, 10888), (163, 10927), (166, 10939), (175, 10966), (187, 11011), (189, 11026), (196, 11050), (210, 11107),

Gene: Heftyboy_16 Start: 10657, Stop: 11268, Start Num: 46

Candidate Starts for Heftyboy_16:

(Start: 46 @10657 has 210 MA's), (69, 10702), (113, 10879), (123, 10936), (127, 10951), (131, 10966), (145, 11035), (147, 11041), (163, 11080), (170, 11107), (183, 11146), (187, 11164), (189, 11179), (196, 11203), (202, 11233),

Gene: Heinz_12 Start: 7958, Stop: 8524, Start Num: 57

Candidate Starts for Heinz_12:

(Start: 57 @7958 has 57 MA's), (77, 8015), (121, 8213), (165, 8336), (181, 8390), (200, 8477),

Gene: Hibiscus_12 Start: 7938, Stop: 8504, Start Num: 57

Candidate Starts for Hibiscus_12:

(Start: 57 @7938 has 57 MA's), (121, 8193), (158, 8298), (165, 8316), (181, 8370),

Gene: Hilltopfarm_19 Start: 12517, Stop: 13158, Start Num: 39

Candidate Starts for Hilltopfarm_19:

(Start: 39 @12517 has 2 MA's), (50, 12547), (Start: 61 @12577 has 156 MA's), (78, 12622), (118, 12793), (128, 12844), (131, 12856), (136, 12886), (163, 12970), (171, 13000), (187, 13054), (208, 13147),

Gene: Holliday_13 Start: 7501, Stop: 8073, Start Num: 61

Candidate Starts for Holliday_13:

(Start: 61 @7501 has 156 MA's), (69, 7522), (77, 7543), (80, 7555), (118, 7714), (126, 7756), (134, 7789), (190, 7978), (211, 8062),

Gene: Homura_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Homura_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: Honk_11 Start: 7750, Stop: 8304, Start Num: 68

Candidate Starts for Honk_11:

(29, 7645), (Start: 68 @7750 has 108 MA's), (124, 7993),

Gene: Hope_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Hope_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Horus_13 Start: 7514, Stop: 8086, Start Num: 61

Candidate Starts for Horus_13:

(Start: 61 @7514 has 156 MA's), (69, 7535), (77, 7556), (80, 7568), (118, 7727), (126, 7769), (134, 7802), (190, 7991), (211, 8075),

Gene: Hotshotbaby7_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Hotshotbaby7_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Hurricane_17 Start: 10577, Stop: 11188, Start Num: 45

Candidate Starts for Hurricane_17:

(Start: 45 @10577 has 7 MA's), (69, 10622), (113, 10799), (123, 10856), (127, 10871), (136, 10916), (145, 10955), (147, 10961), (148, 10964), (163, 11000), (166, 11012), (170, 11027), (187, 11084), (189, 11099), (196, 11123),

Gene: Hyperbowlee_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Hyperbowlee_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: IAmGroot_12 Start: 9525, Stop: 10091, Start Num: 68

Candidate Starts for IAmGroot_12:

(Start: 68 @9525 has 108 MA's), (114, 9723), (152, 9870),

Gene: IUFootball_12 Start: 7927, Stop: 8487, Start Num: 68

Candidate Starts for IUFootball_12:

(Start: 68 @7927 has 108 MA's), (124, 8170), (132, 8194), (162, 8290), (170, 8323), (180, 8353), (183, 8362), (209, 8476),

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

Candidate Starts for Ibantik_76:

(Start: 68 @35791 has 108 MA's), (81, 35836), (103, 35935), (120, 36022), (164, 36205), (179, 36256), (197, 36328), (208, 36373),

Gene: Icarian_13 Start: 8561, Stop: 9358, Start Num: 61

Candidate Starts for Icarian_13:

(Start: 61 @8561 has 156 MA's), (Start: 64 @8567 has 2 MA's), (86, 8645), (103, 8711), (105, 8726), (145, 8918), (163, 8963), (216, 9203),

Gene: Illumine_18 Start: 10494, Stop: 11108, Start Num: 46

Candidate Starts for Illumine_18:

(Start: 46 @10494 has 210 MA's), (69, 10539), (103, 10662), (113, 10716), (123, 10773), (127, 10788), (136, 10833), (145, 10872), (147, 10878), (163, 10917), (166, 10929), (175, 10956), (187, 11001), (189, 11016), (196, 11040),

Gene: InLimbo_13 Start: 7004, Stop: 7594, Start Num: 68

Candidate Starts for InLimbo_13:

(Start: 68 @7004 has 108 MA's), (74, 7025), (90, 7094), (119, 7223), (131, 7283), (147, 7358), (175, 7436), (180, 7454), (191, 7502),

Gene: IndyLu_12 Start: 8371, Stop: 9165, Start Num: 61

Candidate Starts for IndyLu_12:

(Start: 61 @8371 has 156 MA's), (103, 8518), (105, 8533), (145, 8725), (163, 8770), (176, 8812), (216, 9010),

Gene: Inky_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Inky_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: InvictusManeo_16 Start: 10628, Stop: 11239, Start Num: 46

Candidate Starts for InvictusManeo_16:

(Start: 46 @10628 has 210 MA's), (69, 10673), (113, 10850), (123, 10907), (127, 10922), (131, 10937), (145, 11006), (147, 11012), (163, 11051), (170, 11078), (187, 11135), (189, 11150), (196, 11174), (202, 11204),

Gene: Iter_13 Start: 9483, Stop: 10034, Start Num: 68

Candidate Starts for Iter_13:

(Start: 68 @9483 has 108 MA's), (90, 9570), (131, 9747), (135, 9762),

Gene: IttyBittyPiggy_13 Start: 9467, Stop: 10018, Start Num: 68

Candidate Starts for IttyBittyPiggy_13:

(Start: 68 @9467 has 108 MA's), (124, 9710),

Gene: JAWS_18 Start: 10498, Stop: 11109, Start Num: 46

Candidate Starts for JAWS_18:

(Start: 46 @10498 has 210 MA's), (69, 10540), (103, 10663), (113, 10717), (123, 10774), (127, 10789), (145, 10873), (147, 10879), (163, 10918), (166, 10930), (175, 10957), (187, 11002), (189, 11017), (196, 11041), (210, 11098),

Gene: JF1_19 Start: 11716, Stop: 12327, Start Num: 48

Candidate Starts for JF1_19:

(Start: 48 @11716 has 48 MA's), (77, 11782), (79, 11788), (89, 11836), (105, 11893), (107, 11899), (111, 11920), (113, 11932), (127, 12004), (145, 12088), (147, 12094), (163, 12133), (166, 12145), (170, 12160), (187, 12217), (189, 12232), (196, 12256), (202, 12286),

Gene: Jabb_12 Start: 8360, Stop: 9157, Start Num: 61

Candidate Starts for Jabb_12:

(16, 8156), (18, 8174), (49, 8330), (Start: 61 @8360 has 156 MA's), (Start: 64 @8366 has 2 MA's), (103, 8507), (105, 8522), (145, 8714), (176, 8801), (216, 9002),

Gene: Jabbawokkie_15 Start: 8202, Stop: 8795, Start Num: 62

Candidate Starts for Jabbawokkie_15:

(Start: 62 @8202 has 15 MA's), (69, 8220), (103, 8337), (110, 8376), (122, 8442), (131, 8475), (134, 8487), (138, 8511), (163, 8583), (165, 8592), (167, 8604), (172, 8616), (180, 8640), (184, 8658),

Gene: JacoRen57_12 Start: 8388, Stop: 9011, Start Num: 48

Candidate Starts for JacoRen57_12:

(Start: 48 @8388 has 48 MA's), (103, 8550), (116, 8622), (145, 8769), (153, 8793), (163, 8814), (196, 8937), (207, 8988),

Gene: Jamun_13 Start: 9149, Stop: 9979, Start Num: 61

Candidate Starts for Jamun_13:

(Start: 61 @9149 has 156 MA's), (136, 9458), (154, 9524), (175, 9581), (192, 9653), (199, 9686), (212, 9740), (215, 9785), (218, 9860),

Gene: Jane_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Jane_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Janeemi_14 Start: 10558, Stop: 11109, Start Num: 68

Candidate Starts for Janeemi_14:

(Start: 68 @10558 has 108 MA's), (131, 10822), (135, 10837),

Gene: Jankie_14 Start: 7198, Stop: 7770, Start Num: 62

Candidate Starts for Jankie_14:

(Start: 62 @7198 has 15 MA's), (78, 7246), (115, 7408), (151, 7549), (155, 7561), (180, 7633), (188, 7672),

Gene: Jarvi_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Jarvi_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: JasmineDragon_12 Start: 7693, Stop: 8247, Start Num: 68

Candidate Starts for JasmineDragon_12:

(Start: 68 @7693 has 108 MA's), (135, 7972), (144, 8008),

Gene: Jayhawk_18 Start: 10505, Stop: 11119, Start Num: 46

Candidate Starts for Jayhawk_18:

(Start: 46 @10505 has 210 MA's), (69, 10550), (103, 10673), (113, 10727), (123, 10784), (127, 10799), (145, 10883), (147, 10889), (163, 10928), (166, 10940), (175, 10967), (187, 11012), (189, 11027), (196, 11051), (210, 11108),

Gene: Jeckyll_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Jeckyll_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: Jeilious_13 Start: 9853, Stop: 10467, Start Num: 46

Candidate Starts for Jeilious_13:

(Start: 46 @9853 has 210 MA's), (69, 9898), (76, 9922), (98, 10000), (103, 10021), (105, 10036), (123, 10132), (127, 10147), (133, 10171), (136, 10192), (145, 10231), (153, 10255), (158, 10264), (163, 10276), (180, 10333), (187, 10360), (189, 10375), (196, 10399),

Gene: Jerole_14 Start: 8964, Stop: 9545, Start Num: 61

Candidate Starts for Jerole_14:

(Start: 61 @8964 has 156 MA's), (69, 8985), (93, 9072), (105, 9120), (136, 9273), (163, 9357), (174, 9393), (176, 9399), (184, 9432), (199, 9501),

Gene: Joemato_13 Start: 9468, Stop: 10019, Start Num: 68

Candidate Starts for Joemato_13:

(Start: 68 @9468 has 108 MA's), (124, 9711), (131, 9732), (135, 9747), (194, 9951),

Gene: JohnDoe_13 Start: 9466, Stop: 10014, Start Num: 68

Candidate Starts for JohnDoe_13:

(Start: 68 @9466 has 108 MA's), (124, 9709), (131, 9730), (135, 9745), (194, 9949),

Gene: JohnThicc_12 Start: 7693, Stop: 8247, Start Num: 68

Candidate Starts for JohnThicc_12:

(Start: 68 @7693 has 108 MA's), (131, 7957), (135, 7972),

Gene: Johnathan_12 Start: 8320, Stop: 9117, Start Num: 61

Candidate Starts for Johnathan_12:

(8, 8020), (16, 8116), (18, 8134), (19, 8143), (31, 8236), (49, 8290), (Start: 61 @8320 has 156 MA's), (Start: 64 @8326 has 2 MA's), (103, 8467), (105, 8482), (145, 8674), (176, 8761), (216, 8962), (219, 9058),

Gene: Jojo24_12 Start: 7933, Stop: 8499, Start Num: 57

Candidate Starts for Jojo24_12:

(Start: 57 @7933 has 57 MA's), (121, 8188), (158, 8293), (165, 8311), (181, 8365),

Gene: Jolene_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Jolene_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Jolie2_13 Start: 9130, Stop: 9750, Start Num: 46

Candidate Starts for Jolie2_13:

(Start: 46 @9130 has 210 MA's), (76, 9205), (89, 9262), (105, 9319), (123, 9415), (127, 9430), (131, 9445), (136, 9475), (145, 9514), (153, 9538), (170, 9586), (180, 9616), (189, 9658), (201, 9709),

Gene: Jonghyun_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Jonghyun_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: JorRay_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for JorRay_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Jovita_12 Start: 8422, Stop: 9219, Start Num: 61

Candidate Starts for Jovita_12:

(16, 8218), (18, 8236), (49, 8392), (Start: 61 @8422 has 156 MA's), (Start: 64 @8428 has 2 MA's), (103, 8569), (105, 8584), (145, 8776), (163, 8821), (176, 8863), (216, 9064),

Gene: Joy99_18 Start: 10470, Stop: 11084, Start Num: 46

Candidate Starts for Joy99_18:

(Start: 46 @10470 has 210 MA's), (69, 10515), (103, 10638), (113, 10692), (123, 10749), (127, 10764), (145, 10848), (147, 10854), (163, 10893), (166, 10905), (175, 10932), (187, 10977), (189, 10992), (196, 11016), (210, 11073),

Gene: Jstan_13 Start: 9449, Stop: 10000, Start Num: 68

Candidate Starts for Jstan_13:

(Start: 68 @9449 has 108 MA's), (131, 9713), (135, 9728), (194, 9932),

Gene: Juliette_19 Start: 11592, Stop: 12203, Start Num: 48

Candidate Starts for Juliette_19:

(Start: 48 @11592 has 48 MA's), (77, 11658), (79, 11664), (89, 11712), (105, 11769), (107, 11775), (111, 11796), (113, 11808), (123, 11865), (127, 11880), (131, 11895), (145, 11964), (147, 11970), (170, 12036), (187, 12093), (189, 12108), (196, 12132), (202, 12162),

Gene: JuneStar_13 Start: 9561, Stop: 10112, Start Num: 68

Candidate Starts for JuneStar_13:

(Start: 68 @9561 has 108 MA's), (124, 9804), (195, 10047),

Gene: Juno112_12 Start: 8379, Stop: 8960, Start Num: 61

Candidate Starts for Juno112_12:

(Start: 61 @8379 has 156 MA's), (69, 8400), (136, 8688), (163, 8772), (175, 8811), (176, 8814), (184, 8847), (199, 8916), (208, 8946),

Gene: JustASigh_12 Start: 8934, Stop: 9476, Start Num: 57

Candidate Starts for JustASigh_12:

(Start: 57 @8934 has 57 MA's), (Start: 64 @8955 has 2 MA's), (88, 9051), (102, 9084), (123, 9201), (126, 9210), (149, 9270), (150, 9273), (161, 9297), (170, 9330), (177, 9351),

Gene: KHumphrey_12 Start: 8378, Stop: 8959, Start Num: 61

Candidate Starts for KHumphrey_12:

(Start: 61 @8378 has 156 MA's), (69, 8399), (136, 8687), (163, 8771), (175, 8810), (176, 8813), (184, 8846), (199, 8915), (208, 8945),

Gene: Kalimba_13 Start: 8889, Stop: 9449, Start Num: 68

Candidate Starts for Kalimba_13:

(Start: 68 @8889 has 108 MA's), (124, 9132), (135, 9168), (150, 9225), (190, 9357),

Gene: Kamaru_13 Start: 7501, Stop: 8073, Start Num: 61

Candidate Starts for Kamaru_13:

(Start: 61 @7501 has 156 MA's), (69, 7522), (77, 7543), (80, 7555), (118, 7714), (126, 7756), (134, 7789), (190, 7978), (211, 8062),

Gene: Kamdara_12 Start: 8555, Stop: 9349, Start Num: 61

Candidate Starts for Kamdara_12:

(Start: 61 @8555 has 156 MA's), (Start: 64 @8561 has 2 MA's), (84, 8630), (103, 8702), (105, 8717), (145, 8909), (163, 8954), (176, 8996), (180, 9011), (208, 9128), (216, 9194), (221, 9302),

Gene: Kareem_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Kareem_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Kasen3_13 Start: 9855, Stop: 10469, Start Num: 46

Candidate Starts for Kasen3_13:

(Start: 46 @9855 has 210 MA's), (69, 9900), (76, 9924), (98, 10002), (103, 10023), (105, 10038), (123, 10134), (127, 10149), (133, 10173), (136, 10194), (145, 10233), (153, 10257), (158, 10266), (163, 10278), (180, 10335), (187, 10362), (189, 10377), (196, 10401),

Gene: Kate33_12 Start: 8370, Stop: 9164, Start Num: 61

Candidate Starts for Kate33_12:

(Start: 61 @8370 has 156 MA's), (103, 8517), (105, 8532), (145, 8724), (163, 8769), (176, 8811), (216, 9009),

Gene: Katzastrophic_12 Start: 8463, Stop: 9053, Start Num: 61

Candidate Starts for Katzastrophic_12:

(Start: 61 @8463 has 156 MA's), (Start: 64 @8469 has 2 MA's), (69, 8484), (78, 8511), (99, 8589), (103, 8607), (105, 8622), (136, 8775), (145, 8814), (147, 8820), (163, 8859), (175, 8898), (181, 8919),

Gene: Kaylissa_13 Start: 9469, Stop: 10020, Start Num: 68

Candidate Starts for Kaylissa_13:

(Start: 68 @9469 has 108 MA's), (124, 9712), (131, 9733), (135, 9748), (194, 9952),

Gene: KeAlii_13 Start: 9493, Stop: 10050, Start Num: 68

Candidate Starts for KeAlii_13:

(Start: 68 @9493 has 108 MA's), (114, 9688), (120, 9706), (131, 9757), (135, 9772), (156, 9850),

Gene: Keelan_43 Start: 16946, Stop: 17503, Start Num: 62

Candidate Starts for Keelan_43:

(Start: 62 @16946 has 15 MA's), (69, 16964), (116, 17153), (147, 17279), (163, 17318), (180, 17378), (188, 17417),

Gene: KendraB23_14 Start: 8961, Stop: 9545, Start Num: 61

Candidate Starts for KendraB23_14:

(Start: 61 @8961 has 156 MA's), (184, 9429), (199, 9498), (203, 9510),

Gene: Kenna_13 Start: 7514, Stop: 8086, Start Num: 61

Candidate Starts for Kenna_13:

(Start: 61 @7514 has 156 MA's), (69, 7535), (77, 7556), (80, 7568), (118, 7727), (126, 7769), (134, 7802), (190, 7991), (211, 8075),

Gene: Kenzers_12 Start: 8337, Stop: 9134, Start Num: 61

Candidate Starts for Kenzers_12:

(15, 8130), (16, 8133), (18, 8151), (31, 8253), (49, 8307), (Start: 61 @8337 has 156 MA's), (Start: 64 @8343 has 2 MA's), (103, 8484), (105, 8499), (145, 8691), (176, 8778), (216, 8979), (219, 9075),

Gene: Kepler_13 Start: 8802, Stop: 9383, Start Num: 61

Candidate Starts for Kepler_13:

(Start: 61 @8802 has 156 MA's), (69, 8823), (93, 8910), (105, 8958), (136, 9111), (163, 9195), (174, 9231), (176, 9237), (184, 9270), (199, 9339),

Gene: Keshu_17 Start: 10564, Stop: 11175, Start Num: 45

Candidate Starts for Keshu_17:

(Start: 45 @10564 has 7 MA's), (69, 10609), (113, 10786), (123, 10843), (127, 10858), (136, 10903), (145, 10942), (147, 10948), (148, 10951), (163, 10987), (166, 10999), (170, 11014), (187, 11071), (189, 11086), (196, 11110),

Gene: KiSi_17 Start: 9433, Stop: 10044, Start Num: 46

Candidate Starts for KiSi_17:

(Start: 46 @9433 has 210 MA's), (69, 9475), (123, 9709), (127, 9724), (131, 9739), (136, 9769), (145, 9808), (147, 9814), (163, 9853), (166, 9865), (187, 9937), (189, 9952), (196, 9976), (202, 10006), (207, 10027),

Gene: Kieran_12 Start: 8559, Stop: 9353, Start Num: 61

Candidate Starts for Kieran_12:

(Start: 61 @8559 has 156 MA's), (Start: 64 @8565 has 2 MA's), (84, 8634), (103, 8706), (105, 8721), (145, 8913), (163, 8958), (176, 9000), (180, 9015), (208, 9132), (216, 9198), (221, 9306),

Gene: Kinbote_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for Kinbote_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: Kratio_15 Start: 10255, Stop: 10866, Start Num: 46

Candidate Starts for Kratio_15:

(Start: 46 @10255 has 210 MA's), (69, 10300), (123, 10534), (127, 10549), (131, 10564), (145, 10633), (147, 10639), (163, 10678), (170, 10705), (187, 10762), (189, 10777), (196, 10801), (202, 10831),

Gene: Kraw_19 Start: 11636, Stop: 12247, Start Num: 48

Candidate Starts for Kraw_19:

(Start: 48 @11636 has 48 MA's), (77, 11702), (79, 11708), (89, 11756), (105, 11813), (107, 11819), (111, 11840), (113, 11852), (123, 11909), (127, 11924), (145, 12008), (147, 12014), (163, 12053), (166, 12065), (170, 12080), (189, 12152), (196, 12176), (202, 12206),

Gene: Kromp_14 Start: 9809, Stop: 10375, Start Num: 68

Candidate Starts for Kromp_14:

(1, 9206), (5, 9401), (Start: 68 @9809 has 108 MA's), (89, 9893), (103, 9935), (104, 9950), (106, 9956), (121, 10037), (140, 10115), (144, 10130), (192, 10292),

Gene: Krueger_17 Start: 9483, Stop: 10097, Start Num: 46

Candidate Starts for Krueger_17:

(Start: 46 @9483 has 210 MA's), (69, 9528), (113, 9705), (123, 9762), (127, 9777), (131, 9792), (136, 9822), (145, 9861), (147, 9867), (189, 10005), (197, 10032), (207, 10080),

Gene: Kuleana_13 Start: 8760, Stop: 9341, Start Num: 61

Candidate Starts for Kuleana_13:

(Start: 61 @8760 has 156 MA's), (69, 8781), (100, 8886), (105, 8916), (136, 9069), (163, 9153), (175, 9192), (184, 9228), (194, 9270), (199, 9297),

Gene: Kuwabara_13 Start: 7836, Stop: 8429, Start Num: 68

Candidate Starts for Kuwabara_13:

(Start: 68 @7836 has 108 MA's), (74, 7857), (81, 7881), (107, 7995), (119, 8055), (123, 8085), (129, 8109), (131, 8115), (138, 8151), (139, 8154), (147, 8190), (163, 8229), (192, 8340),

Gene: LadyAstra_12 Start: 7693, Stop: 8247, Start Num: 68

Candidate Starts for LadyAstra_12:

(Start: 68 @7693 has 108 MA's), (131, 7957), (135, 7972), (194, 8173), (209, 8236),

Gene: Lahqtemish_12 Start: 8417, Stop: 9211, Start Num: 61

Candidate Starts for Lahqtemish_12:

(Start: 61 @8417 has 156 MA's), (103, 8564), (105, 8579), (145, 8771), (163, 8816), (176, 8858), (216, 9056),

Gene: Laphuphu24k_12 Start: 8378, Stop: 8959, Start Num: 61

Candidate Starts for Laphuphu24k_12:

(Start: 61 @8378 has 156 MA's), (69, 8399), (136, 8687), (163, 8771), (175, 8810), (176, 8813), (184, 8846), (199, 8915), (208, 8945),

Gene: Larva_16 Start: 10368, Stop: 10979, Start Num: 46

Candidate Starts for Larva_16:

(Start: 46 @10368 has 210 MA's), (69, 10413), (123, 10647), (127, 10662), (131, 10677), (145, 10746), (147, 10752), (163, 10791), (166, 10803), (170, 10818), (187, 10875), (189, 10890), (196, 10914),

(202, 10944),

Gene: LastHope_18 Start: 9529, Stop: 10143, Start Num: 48

Candidate Starts for LastHope_18:

(Start: 48 @9529 has 48 MA's), (69, 9574), (86, 9640), (105, 9712), (113, 9751), (123, 9808), (131, 9838), (136, 9868), (145, 9907), (147, 9913), (148, 9916), (163, 9952), (187, 10036), (196, 10075), (202, 10105), (207, 10126),

Gene: LastNadiia_17 Start: 10446, Stop: 11024, Start Num: 60

Candidate Starts for LastNadiia_17:

(Start: 60 @10446 has 11 MA's),

Gene: LaterM_18 Start: 10463, Stop: 11074, Start Num: 47

Candidate Starts for LaterM_18:

(Start: 47 @10463 has 5 MA's), (69, 10505), (103, 10628), (113, 10682), (123, 10739), (127, 10754), (136, 10799), (145, 10838), (147, 10844), (163, 10883), (166, 10895), (175, 10922), (187, 10967), (189, 10982), (196, 11006),

Gene: Lavahound_16 Start: 10216, Stop: 10827, Start Num: 48

Candidate Starts for Lavahound_16:

(7, 9946), (Start: 22 @10111 has 1 MA's), (32, 10174), (34, 10183), (Start: 48 @10216 has 48 MA's), (69, 10258), (103, 10381), (107, 10402), (113, 10435), (123, 10492), (127, 10507), (145, 10591), (147, 10597), (163, 10636), (166, 10648), (175, 10675), (189, 10735), (196, 10759),

Gene: LeMond_17 Start: 9505, Stop: 10116, Start Num: 46

Candidate Starts for LeMond_17:

(Start: 46 @9505 has 210 MA's), (69, 9547), (123, 9781), (127, 9796), (131, 9811), (136, 9841), (145, 9880), (147, 9886), (163, 9925), (166, 9937), (187, 10009), (189, 10024), (196, 10048), (202, 10078), (207, 10099),

Gene: Lea83_17 Start: 10567, Stop: 11178, Start Num: 45

Candidate Starts for Lea83_17:

(Start: 45 @10567 has 7 MA's), (69, 10612), (113, 10789), (123, 10846), (127, 10861), (136, 10906), (145, 10945), (147, 10951), (148, 10954), (163, 10990), (166, 11002), (170, 11017), (187, 11074), (189, 11089), (196, 11113),

Gene: Lebo14_19 Start: 11730, Stop: 12341, Start Num: 48

Candidate Starts for Lebo14_19:

(Start: 48 @11730 has 48 MA's), (77, 11796), (79, 11802), (89, 11850), (105, 11907), (107, 11913), (111, 11934), (113, 11946), (123, 12003), (127, 12018), (145, 12102), (147, 12108), (163, 12147), (166, 12159), (170, 12174), (187, 12231), (189, 12246), (196, 12270), (202, 12300),

Gene: Lego_13 Start: 9467, Stop: 10018, Start Num: 68

Candidate Starts for Lego_13:

(Start: 68 @9467 has 108 MA's), (124, 9710), (131, 9731), (135, 9746), (194, 9950),

Gene: Lemuria_13 Start: 9183, Stop: 9803, Start Num: 46

Candidate Starts for Lemuria_13:

(Start: 46 @9183 has 210 MA's), (69, 9234), (76, 9258), (89, 9315), (103, 9357), (105, 9372), (123, 9468), (127, 9483), (131, 9498), (133, 9507), (136, 9528), (145, 9567), (153, 9591), (163, 9612), (170, 9639), (178, 9663), (180, 9669), (189, 9711),

Gene: Leona_12 Start: 8429, Stop: 9010, Start Num: 61

Candidate Starts for Leona_12:

(Start: 61 @8429 has 156 MA's), (69, 8450), (136, 8738), (163, 8822), (175, 8861), (176, 8864), (184, 8897), (199, 8966), (208, 8996),

Gene: Leroy_13 Start: 7515, Stop: 8087, Start Num: 61

Candidate Starts for Leroy_13:

(Start: 61 @7515 has 156 MA's), (69, 7536), (77, 7557), (80, 7569), (118, 7728), (126, 7770), (134, 7803), (190, 7992), (211, 8076),

Gene: Leston_16 Start: 10660, Stop: 11271, Start Num: 46

Candidate Starts for Leston_16:

(Start: 46 @10660 has 210 MA's), (69, 10705), (113, 10882), (123, 10939), (127, 10954), (131, 10969), (145, 11038), (147, 11044), (163, 11083), (166, 11095), (170, 11110), (183, 11149), (187, 11167), (189, 11182), (196, 11206), (202, 11236),

Gene: Liebe_12 Start: 7927, Stop: 8487, Start Num: 68

Candidate Starts for Liebe_12:

(Start: 68 @7927 has 108 MA's), (124, 8170), (132, 8194), (162, 8290), (170, 8323), (180, 8353), (183, 8362), (209, 8476),

Gene: Liefie_13 Start: 9853, Stop: 10467, Start Num: 46

Candidate Starts for Liefie_13:

(Start: 46 @9853 has 210 MA's), (69, 9898), (76, 9922), (98, 10000), (103, 10021), (105, 10036), (123, 10132), (127, 10147), (131, 10162), (133, 10171), (136, 10192), (145, 10231), (153, 10255), (158, 10264), (163, 10276), (180, 10333), (187, 10360), (189, 10375), (196, 10399),

Gene: LilDirt_15 Start: 10385, Stop: 10996, Start Num: 46

Candidate Starts for LilDirt_15:

(Start: 46 @10385 has 210 MA's), (69, 10430), (113, 10607), (123, 10664), (127, 10679), (131, 10694), (145, 10763), (147, 10769), (163, 10808), (170, 10835), (187, 10892), (189, 10907), (196, 10931), (202, 10961),

Gene: LilHazelnut_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for LilHazelnut_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: LilPharaoh_14 Start: 9777, Stop: 10388, Start Num: 46

Candidate Starts for LilPharaoh_14:

(Start: 46 @9777 has 210 MA's), (Start: 61 @9798 has 156 MA's), (69, 9819), (103, 9942), (105, 9957), (113, 9996), (123, 10053), (127, 10068), (136, 10113), (145, 10152), (147, 10158), (163, 10197), (166, 10209), (187, 10281), (189, 10296), (196, 10320), (202, 10350),

Gene: LilSpotty_12 Start: 7545, Stop: 8324, Start Num: 62

Candidate Starts for LilSpotty_12:

(Start: 62 @7545 has 15 MA's), (88, 7632), (103, 7683), (118, 7761), (124, 7797), (131, 7824), (136, 7854), (138, 7860), (145, 7893), (160, 7929), (163, 7938), (184, 8034), (192, 8070), (201, 8109), (214, 8196), (220, 8304),

Gene: Lilo27_12 Start: 8297, Stop: 9094, Start Num: 61

Candidate Starts for Lilo27_12:

(15, 8090), (16, 8093), (18, 8111), (19, 8120), (49, 8267), (Start: 61 @8297 has 156 MA's), (Start: 64 @8303 has 2 MA's), (103, 8444), (105, 8459), (137, 8615), (145, 8651), (163, 8696), (176, 8738), (216, 8939),

Gene: LimaBean_12 Start: 8320, Stop: 9117, Start Num: 61

Candidate Starts for LimaBean_12:

(8, 8020), (16, 8116), (18, 8134), (31, 8236), (49, 8290), (Start: 61 @8320 has 156 MA's), (Start: 64 @8326 has 2 MA's), (103, 8467), (105, 8482), (145, 8674), (176, 8761), (216, 8962), (219, 9058),

Gene: LindNT_18 Start: 10468, Stop: 11082, Start Num: 46

Candidate Starts for LindNT_18:

(Start: 46 @10468 has 210 MA's), (69, 10513), (103, 10636), (113, 10690), (123, 10747), (127, 10762), (145, 10846), (147, 10852), (163, 10891), (166, 10903), (187, 10975), (189, 10990), (196, 11014), (210, 11071),

Gene: LisoBros_12 Start: 7473, Stop: 8045, Start Num: 64

Candidate Starts for LisoBros_12:

(21, 7308), (53, 7443), (Start: 64 @7473 has 2 MA's), (78, 7518), (81, 7530), (91, 7575), (115, 7680), (122, 7716), (123, 7722), (126, 7731), (131, 7749), (151, 7821), (163, 7848), (188, 7944), (190, 7950),

Gene: LitninMcQueen_13 Start: 7501, Stop: 8073, Start Num: 61

Candidate Starts for LitninMcQueen_13:

(Start: 61 @7501 has 156 MA's), (69, 7522), (77, 7543), (80, 7555), (118, 7714), (126, 7756), (134, 7789), (190, 7978), (211, 8062),

Gene: LittleTokyo_13 Start: 8714, Stop: 9298, Start Num: 61

Candidate Starts for LittleTokyo_13:

(Start: 61 @8714 has 156 MA's), (69, 8735), (94, 8825), (136, 9023), (163, 9107), (175, 9146), (184, 9182), (190, 9209), (194, 9224), (208, 9281),

Gene: Lizalica_13 Start: 9453, Stop: 10004, Start Num: 68

Candidate Starts for Lizalica_13:

(Start: 68 @9453 has 108 MA's), (131, 9717), (132, 9720), (135, 9732), (194, 9936),

Gene: Llorens_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Llorens_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: London_13 Start: 9449, Stop: 10000, Start Num: 68

Candidate Starts for London_13:

(Start: 68 @9449 has 108 MA's), (131, 9713), (135, 9728), (194, 9932),

Gene: LongHai_16 Start: 9646, Stop: 10287, Start Num: 48

Candidate Starts for LongHai_16:

(35, 9613), (Start: 48 @9646 has 48 MA's), (Start: 67 @9679 has 1 MA's), (69, 9688), (74, 9706), (90, 9772), (103, 9811), (105, 9826), (126, 9931), (131, 9952), (136, 9982), (145, 10021), (163, 10066), (187, 10150), (191, 10171),

Gene: LouisV14_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for LouisV14_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Loviatar_12 Start: 8640, Stop: 9437, Start Num: 61

Candidate Starts for Loviatar_12:

(Start: 61 @8640 has 156 MA's), (Start: 64 @8646 has 2 MA's), (86, 8724), (103, 8790), (105, 8805), (138, 8964), (145, 8997), (163, 9042), (216, 9282),

Gene: Lucky10_12 Start: 7042, Stop: 7632, Start Num: 68

Candidate Starts for Lucky10_12:

(Start: 68 @7042 has 108 MA's), (74, 7063), (90, 7132), (119, 7261), (131, 7321), (147, 7396), (175, 7474), (191, 7540),

Gene: Luke_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for Luke_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: Luna22_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for Luna22_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: Lunahalos_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Lunahalos_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: Lunar_14 Start: 8964, Stop: 9545, Start Num: 61

Candidate Starts for Lunar_14:

(Start: 61 @8964 has 156 MA's), (69, 8985), (93, 9072), (105, 9120), (136, 9273), (163, 9357), (174, 9393), (176, 9399), (184, 9432), (199, 9501),

Gene: Lutum_13 Start: 7514, Stop: 8086, Start Num: 61

Candidate Starts for Lutum_13:

(Start: 61 @7514 has 156 MA's), (69, 7535), (77, 7556), (80, 7568), (118, 7727), (126, 7769), (134, 7802), (190, 7991), (211, 8075),

Gene: Lynlen_12 Start: 8337, Stop: 9134, Start Num: 61

Candidate Starts for Lynlen_12:

(15, 8130), (16, 8133), (18, 8151), (31, 8253), (49, 8307), (Start: 61 @8337 has 156 MA's), (Start: 64 @8343 has 2 MA's), (103, 8484), (105, 8499), (145, 8691), (176, 8778), (216, 8979), (219, 9075),

Gene: MOOREtheMARYer_13 Start: 10071, Stop: 10694, Start Num: 46

Candidate Starts for MOOREtheMARYer_13:

(Start: 46 @10071 has 210 MA's), (59, 10098), (76, 10149), (89, 10206), (103, 10248), (105, 10263), (123, 10359), (127, 10374), (133, 10398), (136, 10419), (145, 10458), (153, 10482), (170, 10530), (178, 10554), (180, 10560), (189, 10602),

Gene: MZKinsey_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for MZKinsey_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: MaGuCo_12 Start: 7863, Stop: 8423, Start Num: 68

Candidate Starts for MaGuCo_12:

(Start: 68 @7863 has 108 MA's), (81, 7908), (124, 8106), (132, 8130), (162, 8226), (170, 8259), (180, 8289), (183, 8298), (209, 8412),

Gene: Mabodamaca_12 Start: 8972, Stop: 9535, Start Num: 68

Candidate Starts for Mabodamaca_12:

(Start: 68 @8972 has 108 MA's), (101, 9089), (114, 9167), (199, 9482),

Gene: MacKat_18 Start: 10521, Stop: 11132, Start Num: 46

Candidate Starts for MacKat_18:

(Start: 46 @10521 has 210 MA's), (69, 10563), (103, 10686), (113, 10740), (123, 10797), (127, 10812), (145, 10896), (147, 10902), (163, 10941), (175, 10980), (187, 11025), (189, 11040), (196, 11064), (210, 11121),

Gene: MacnCheese_18 Start: 10792, Stop: 11403, Start Num: 45

Candidate Starts for MacnCheese_18:

(Start: 45 @10792 has 7 MA's), (69, 10837), (113, 11014), (123, 11071), (127, 11086), (136, 11131), (145, 11170), (147, 11176), (148, 11179), (163, 11215), (166, 11227), (170, 11242), (189, 11314), (196, 11338),

Gene: Maco6_13 Start: 8602, Stop: 9243, Start Num: 48

Candidate Starts for Maco6_13:

(35, 8569), (Start: 48 @8602 has 48 MA's), (Start: 67 @8635 has 1 MA's), (69, 8644), (74, 8662), (90, 8728), (103, 8767), (105, 8782), (126, 8887), (131, 8908), (136, 8938), (145, 8977), (163, 9022), (187, 9106), (191, 9127),

Gene: Mahdia_11 Start: 7651, Stop: 8193, Start Num: 57

Candidate Starts for Mahdia_11:

(Start: 57 @7651 has 57 MA's), (81, 7723), (88, 7762), (118, 7885), (121, 7906), (131, 7942), (150, 7990), (177, 8068), (181, 8080), (205, 8182),

Gene: MakCheese_14 Start: 8246, Stop: 8788, Start Num: 57

Candidate Starts for MakCheese_14:

(40, 8204), (55, 8240), (Start: 57 @8246 has 57 MA's), (118, 8480), (150, 8585), (203, 8771),

Gene: Makima_15 Start: 9530, Stop: 10108, Start Num: 60

Candidate Starts for Makima_15:

(Start: 60 @9530 has 11 MA's),

Gene: MalagasyRose_19 Start: 10934, Stop: 11524, Start Num: 52

Candidate Starts for MalagasyRose_19:

(Start: 52 @10934 has 2 MA's), (58, 10949), (69, 10982), (86, 11027), (136, 11249), (158, 11321), (171, 11366), (177, 11384), (193, 11450), (194, 11453),

Gene: Malibo_12 Start: 8220, Stop: 8765, Start Num: 57

Candidate Starts for Malibo_12:

(38, 8172), (Start: 57 @8220 has 57 MA's), (73, 8265), (85, 8316), (121, 8475), (132, 8514), (148, 8553), (150, 8559), (177, 8637), (181, 8649),

Gene: Maliketh_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Maliketh_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Malisha_13 Start: 8564, Stop: 9133, Start Num: 61

Candidate Starts for Malisha_13:

(Start: 61 @8564 has 156 MA's), (69, 8585), (77, 8606), (80, 8618), (118, 8777), (126, 8819), (134, 8852), (168, 8960), (190, 9041),

Gene: Malthus_19 Start: 11636, Stop: 12247, Start Num: 48

Candidate Starts for Malthus_19:

(Start: 48 @11636 has 48 MA's), (77, 11702), (79, 11708), (89, 11756), (105, 11813), (107, 11819), (111, 11840), (113, 11852), (123, 11909), (127, 11924), (145, 12008), (147, 12014), (163, 12053), (166, 12065), (170, 12080), (189, 12152), (196, 12176), (202, 12206),

Gene: Marcoliusprime_14 Start: 8532, Stop: 9146, Start Num: 44

Candidate Starts for Marcoliusprime_14:

(Start: 44 @8532 has 8 MA's), (Start: 67 @8571 has 1 MA's), (69, 8580), (123, 8814), (127, 8829), (131, 8844), (136, 8874), (145, 8913), (147, 8919), (162, 8955), (166, 8970), (175, 8997), (187, 9042), (189, 9057), (196, 9081),

Gene: MarkPhew_18 Start: 9393, Stop: 10004, Start Num: 46

Candidate Starts for MarkPhew_18:

(Start: 46 @9393 has 210 MA's), (69, 9435), (105, 9573), (123, 9669), (127, 9684), (136, 9729), (145, 9768), (147, 9774), (189, 9912), (196, 9936), (202, 9966), (207, 9987),

Gene: Marmie_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Marmie_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Marshawn_19 Start: 10081, Stop: 10695, Start Num: 48

Candidate Starts for Marshawn_19:

(Start: 48 @10081 has 48 MA's), (Start: 61 @10105 has 156 MA's), (69, 10126), (103, 10249), (107, 10270), (123, 10360), (127, 10375), (145, 10459), (147, 10465), (163, 10504), (166, 10516), (175, 10543), (187, 10588), (189, 10603), (196, 10627),

Gene: Maureen_12 Start: 7927, Stop: 8487, Start Num: 68

Candidate Starts for Maureen_12:

(Start: 68 @7927 has 108 MA's), (124, 8170), (132, 8194), (162, 8290), (170, 8323), (180, 8353), (183, 8362), (209, 8476),

Gene: McMater_18 Start: 9573, Stop: 10184, Start Num: 48

Candidate Starts for McMater_18:

(Start: 48 @9573 has 48 MA's), (69, 9615), (105, 9753), (113, 9792), (123, 9849), (127, 9864), (136, 9909), (145, 9948), (147, 9954), (148, 9957), (166, 10005), (170, 10020), (187, 10077),

Gene: Mdavu_14 Start: 9765, Stop: 10376, Start Num: 46

Candidate Starts for Mdavu_14:

(Start: 46 @9765 has 210 MA's), (Start: 61 @9786 has 156 MA's), (69, 9807), (103, 9930), (105, 9945), (113, 9984), (123, 10041), (127, 10056), (136, 10101), (145, 10140), (147, 10146), (163, 10185), (166, 10197), (187, 10269), (189, 10284), (196, 10308), (202, 10338),

Gene: MeaningOfLife_18 Start: 10477, Stop: 11091, Start Num: 46

Candidate Starts for MeaningOfLife_18:

(Start: 46 @10477 has 210 MA's), (69, 10522), (103, 10645), (113, 10699), (123, 10756), (127, 10771), (145, 10855), (147, 10861), (163, 10900), (166, 10912), (175, 10939), (187, 10984), (189, 10999), (196, 11023), (210, 11080),

Gene: Megsy_18 Start: 10471, Stop: 11085, Start Num: 46

Candidate Starts for Megsy_18:

(Start: 46 @10471 has 210 MA's), (69, 10516), (103, 10639), (113, 10693), (123, 10750), (127, 10765), (145, 10849), (147, 10855), (163, 10894), (166, 10906), (175, 10933), (187, 10978), (189, 10993), (196, 11017), (210, 11074),

Gene: Melons_14 Start: 8964, Stop: 9545, Start Num: 61

Candidate Starts for Melons_14:

(Start: 61 @8964 has 156 MA's), (69, 8985), (93, 9072), (105, 9120), (136, 9273), (163, 9357), (174, 9393), (176, 9399), (184, 9432), (199, 9501),

Gene: Mercurio_14 Start: 9826, Stop: 10446, Start Num: 46

Candidate Starts for Mercurio_14:

(Start: 46 @9826 has 210 MA's), (76, 9901), (89, 9958), (105, 10015), (123, 10111), (127, 10126), (131, 10141), (136, 10171), (145, 10210), (153, 10234), (163, 10255), (170, 10282), (178, 10306), (180, 10312), (189, 10354), (202, 10408),

Gene: Milly_14 Start: 8532, Stop: 9146, Start Num: 44

Candidate Starts for Milly_14:

(Start: 44 @8532 has 8 MA's), (Start: 67 @8571 has 1 MA's), (69, 8580), (123, 8814), (127, 8829), (131, 8844), (136, 8874), (145, 8913), (147, 8919), (162, 8955), (166, 8970), (175, 8997), (187, 9042), (189, 9057), (196, 9081),

Gene: Milomuff_13 Start: 8706, Stop: 9503, Start Num: 61

Candidate Starts for Milomuff_13:

(16, 8502), (18, 8520), (31, 8622), (49, 8676), (Start: 61 @8706 has 156 MA's), (Start: 64 @8712 has 2 MA's), (103, 8853), (105, 8868), (145, 9060), (176, 9147), (216, 9348), (219, 9444),

Gene: MiniMommy_11 Start: 7693, Stop: 8247, Start Num: 68

Candidate Starts for MiniMommy_11:

(Start: 68 @7693 has 108 MA's), (135, 7972), (144, 8008),

Gene: Mireles_14 Start: 7926, Stop: 8504, Start Num: 60

Candidate Starts for Mireles_14:

(Start: 60 @7926 has 11 MA's), (70, 7953), (128, 8193), (171, 8349), (176, 8361),

Gene: Miryou_16 Start: 10508, Stop: 11119, Start Num: 46

Candidate Starts for Miryou_16:

(Start: 46 @10508 has 210 MA's), (69, 10553), (113, 10730), (123, 10787), (127, 10802), (131, 10817), (145, 10886), (147, 10892), (163, 10931), (166, 10943), (170, 10958), (183, 10997), (187, 11015), (189, 11030), (196, 11054), (202, 11084),

Gene: MissDaisy_19 Start: 11490, Stop: 12101, Start Num: 48

Candidate Starts for MissDaisy_19:

(Start: 48 @11490 has 48 MA's), (77, 11556), (79, 11562), (81, 11571), (89, 11610), (105, 11667), (107, 11673), (111, 11694), (113, 11706), (123, 11763), (127, 11778), (145, 11862), (147, 11868), (162, 11904), (163, 11907), (166, 11919), (170, 11934), (187, 11991), (189, 12006), (196, 12030), (202, 12060),

Gene: MissSwiss_13 Start: 9452, Stop: 10000, Start Num: 68

Candidate Starts for MissSwiss_13:

(Start: 68 @9452 has 108 MA's), (135, 9731), (150, 9788), (180, 9875), (190, 9920),

Gene: Mitti_19 Start: 11640, Stop: 12251, Start Num: 48

Candidate Starts for Mitti_19:

(Start: 48 @11640 has 48 MA's), (77, 11706), (79, 11712), (89, 11760), (105, 11817), (107, 11823), (111, 11844), (113, 11856), (123, 11913), (127, 11928), (145, 12012), (147, 12018), (163, 12057), (166, 12069), (170, 12084), (187, 12141), (189, 12156), (196, 12180), (202, 12210),

Gene: Morkie_12 Start: 7004, Stop: 7594, Start Num: 68

Candidate Starts for Morkie_12:

(Start: 68 @7004 has 108 MA's), (74, 7025), (90, 7094), (119, 7223), (131, 7283), (147, 7358), (175, 7436), (180, 7454), (191, 7502),

Gene: Morrissey_12 Start: 8032, Stop: 8586, Start Num: 51

Candidate Starts for Morrissey_12:

(Start: 51 @8032 has 2 MA's), (Start: 57 @8044 has 57 MA's), (76, 8098), (101, 8188), (118, 8278), (121, 8299), (149, 8380), (150, 8383),

Gene: MortyNRick_13 Start: 7836, Stop: 8429, Start Num: 68

Candidate Starts for MortyNRick_13:

(Start: 68 @7836 has 108 MA's), (74, 7857), (81, 7881), (117, 8049), (129, 8109), (131, 8115), (138, 8151), (139, 8154), (147, 8190),

Gene: Moss_13 Start: 8980, Stop: 9540, Start Num: 68

Candidate Starts for Moss_13:

(Start: 68 @8980 has 108 MA's), (124, 9223), (135, 9259), (152, 9322), (190, 9448), (204, 9505),

Gene: Mowgli_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Mowgli_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: MsUbiquitous_12 Start: 8360, Stop: 9157, Start Num: 61

Candidate Starts for MsUbiquitous_12:

(16, 8156), (18, 8174), (49, 8330), (Start: 61 @8360 has 156 MA's), (Start: 64 @8366 has 2 MA's), (103, 8507), (105, 8522), (145, 8714), (176, 8801), (216, 9002),

Gene: Muddy_15 Start: 9552, Stop: 10193, Start Num: 48

Candidate Starts for Muddy_15:

(35, 9519), (Start: 48 @9552 has 48 MA's), (Start: 67 @9585 has 1 MA's), (69, 9594), (74, 9612), (90, 9678), (103, 9717), (105, 9732), (126, 9837), (131, 9858), (136, 9888), (145, 9927), (163, 9972), (187, 10056), (191, 10077),

Gene: Mudpuppy_13 Start: 9467, Stop: 10018, Start Num: 68

Candidate Starts for Mudpuppy_13:

(Start: 68 @9467 has 108 MA's), (131, 9731), (132, 9734), (135, 9746), (194, 9950),

Gene: Mufasa_14 Start: 8522, Stop: 9145, Start Num: 42

Candidate Starts for Mufasa_14:

(26, 8456), (Start: 42 @8522 has 3 MA's), (Start: 67 @8570 has 1 MA's), (105, 8717), (123, 8813), (127, 8828), (131, 8843), (136, 8873), (145, 8912), (147, 8918), (148, 8921), (163, 8957), (166, 8969), (170, 8984), (187, 9041), (189, 9056), (196, 9080),

Gene: Mulch_16 Start: 9700, Stop: 10245, Start Num: 57

Candidate Starts for Mulch_16:

(Start: 57 @9700 has 57 MA's), (Start: 64 @9721 has 2 MA's), (203, 10225),

Gene: Murucutumbu_18 Start: 10456, Stop: 11067, Start Num: 47

Candidate Starts for Murucutumbu_18:

(Start: 47 @10456 has 5 MA's), (69, 10498), (103, 10621), (113, 10675), (123, 10732), (127, 10747), (136, 10792), (145, 10831), (147, 10837), (163, 10876), (166, 10888), (175, 10915), (187, 10960), (189, 10975), (196, 10999),

Gene: Mynx_18 Start: 10524, Stop: 11138, Start Num: 46

Candidate Starts for Mynx_18:

(Start: 46 @10524 has 210 MA's), (69, 10569), (103, 10692), (113, 10746), (123, 10803), (127, 10818), (145, 10902), (147, 10908), (163, 10947), (166, 10959), (175, 10986), (187, 11031), (189, 11046), (196, 11070), (210, 11127),

Gene: Mysterium_13 Start: 8981, Stop: 9541, Start Num: 68

Candidate Starts for Mysterium_13:

(Start: 68 @8981 has 108 MA's), (124, 9224), (135, 9260), (152, 9323), (190, 9449), (204, 9506),

Gene: Nadeem_16 Start: 9700, Stop: 10245, Start Num: 57

Candidate Starts for Nadeem_16:

(Start: 57 @9700 has 57 MA's), (Start: 64 @9721 has 2 MA's), (203, 10225),

Gene: NancyRae_16 Start: 9700, Stop: 10245, Start Num: 57

Candidate Starts for NancyRae_16:

(Start: 57 @9700 has 57 MA's), (Start: 64 @9721 has 2 MA's), (203, 10225),

Gene: Nebkiss_10 Start: 8074, Stop: 8661, Start Num: 61

Candidate Starts for Nebkiss_10:

(Start: 61 @8074 has 156 MA's), (87, 8155), (100, 8194), (108, 8236), (119, 8290), (125, 8326), (147, 8425), (160, 8455), (184, 8545), (194, 8587), (201, 8620),

Gene: Neighly_16 Start: 10367, Stop: 10978, Start Num: 46

Candidate Starts for Neighly_16:

(Start: 46 @10367 has 210 MA's), (69, 10412), (123, 10646), (127, 10661), (131, 10676), (145, 10745), (147, 10751), (163, 10790), (166, 10802), (170, 10817), (187, 10874), (189, 10889), (196, 10913), (202, 10943),

Gene: Neoh_13 Start: 9855, Stop: 10469, Start Num: 46

Candidate Starts for Neoh_13:

(Start: 46 @9855 has 210 MA's), (69, 9900), (76, 9924), (98, 10002), (103, 10023), (105, 10038), (123, 10134), (127, 10149), (133, 10173), (136, 10194), (145, 10233), (153, 10257), (158, 10266), (163, 10278), (180, 10335), (187, 10362), (189, 10377), (196, 10401),

Gene: Nergal_17 Start: 11411, Stop: 12001, Start Num: 52

Candidate Starts for Nergal_17:

(Start: 52 @11411 has 2 MA's), (58, 11426), (Start: 62 @11441 has 15 MA's), (69, 11459), (96, 11537), (116, 11627), (126, 11675), (158, 11798), (171, 11843), (193, 11927), (194, 11930),

Gene: Nesbitt_12 Start: 8240, Stop: 8812, Start Num: 68

Candidate Starts for Nesbitt_12:

(37, 8156), (Start: 68 @8240 has 108 MA's), (78, 8273), (84, 8300), (86, 8309), (92, 8336), (101, 8363), (123, 8483), (132, 8510), (135, 8522), (137, 8540), (159, 8597), (183, 8672),

Gene: Neuville_14 Start: 8154, Stop: 8732, Start Num: 60

Candidate Starts for Neuville_14:

(Start: 60 @8154 has 11 MA's), (131, 8433), (157, 8535), (176, 8589), (209, 8721),

Gene: Nibb_17 Start: 9545, Stop: 10156, Start Num: 46

Candidate Starts for Nibb_17:

(Start: 46 @9545 has 210 MA's), (69, 9587), (105, 9725), (113, 9764), (123, 9821), (127, 9836), (136, 9881), (145, 9920), (147, 9926), (166, 9977), (189, 10064), (196, 10088), (207, 10139),

Gene: Niblet_13 Start: 8750, Stop: 9334, Start Num: 61

Candidate Starts for Niblet_13:

(Start: 61 @8750 has 156 MA's), (136, 9059), (176, 9185), (184, 9218), (199, 9287), (203, 9299),

Gene: Nicky22_13 Start: 8768, Stop: 9565, Start Num: 61

Candidate Starts for Nicky22_13:

(16, 8564), (18, 8582), (49, 8738), (Start: 61 @8768 has 156 MA's), (Start: 64 @8774 has 2 MA's), (103, 8915), (105, 8930), (137, 9086), (145, 9122), (163, 9167), (216, 9410),

Gene: Nikao_14 Start: 9777, Stop: 10388, Start Num: 46

Candidate Starts for Nikao_14:

(Start: 46 @9777 has 210 MA's), (Start: 61 @9798 has 156 MA's), (69, 9819), (103, 9942), (105, 9957), (113, 9996), (123, 10053), (127, 10068), (136, 10113), (145, 10152), (147, 10158), (163, 10197), (166, 10209), (187, 10281), (189, 10296), (196, 10320), (202, 10350),

Gene: Niklas_18 Start: 9573, Stop: 10184, Start Num: 48

Candidate Starts for Niklas_18:

(Start: 48 @9573 has 48 MA's), (69, 9615), (105, 9753), (113, 9792), (123, 9849), (127, 9864), (136, 9909), (145, 9948), (147, 9954), (148, 9957), (166, 10005), (170, 10020), (187, 10077),

Gene: Niobe_13 Start: 9449, Stop: 10000, Start Num: 68

Candidate Starts for Niobe_13:

(Start: 68 @9449 has 108 MA's), (131, 9713), (135, 9728), (194, 9932),

Gene: Nitro_13 Start: 9472, Stop: 10023, Start Num: 68

Candidate Starts for Nitro_13:

(Start: 68 @9472 has 108 MA's), (131, 9736), (135, 9751), (194, 9955),

Gene: NoShow_13 Start: 8694, Stop: 9302, Start Num: 48

Candidate Starts for NoShow_13:

(Start: 48 @8694 has 48 MA's), (78, 8763), (116, 8928), (131, 8997), (141, 9048), (145, 9066), (146, 9069), (153, 9090), (171, 9141), (187, 9195),

Gene: November_16 Start: 10373, Stop: 10987, Start Num: 48

Candidate Starts for November_16:

(Start: 48 @10373 has 48 MA's), (Start: 61 @10397 has 156 MA's), (69, 10418), (107, 10562), (113, 10595), (123, 10652), (127, 10667), (145, 10751), (147, 10757), (163, 10796), (166, 10808), (175, 10835), (189, 10895), (196, 10919), (202, 10949),

Gene: NovoPizza_13 Start: 10041, Stop: 10583, Start Num: 57

Candidate Starts for NovoPizza_13:

(Start: 57 @10041 has 57 MA's), (Start: 64 @10062 has 2 MA's), (75, 10092), (88, 10152), (103, 10188), (123, 10302), (131, 10326), (150, 10374), (174, 10440), (175, 10443), (181, 10464), (194, 10521),

Gene: Nutello_14 Start: 9777, Stop: 10388, Start Num: 46

Candidate Starts for Nutello_14:

(Start: 46 @9777 has 210 MA's), (Start: 61 @9798 has 156 MA's), (69, 9819), (103, 9942), (105, 9957), (113, 9996), (123, 10053), (127, 10068), (136, 10113), (145, 10152), (147, 10158), (163, 10197), (166, 10209), (187, 10281), (189, 10296), (196, 10320), (202, 10350),

Gene: OBUpride_15 Start: 9932, Stop: 10471, Start Num: 57

Candidate Starts for OBUpride_15:

(Start: 57 @9932 has 57 MA's), (Start: 64 @9953 has 2 MA's), (65, 9956), (Start: 67 @9959 has 1 MA's), (73, 9977), (88, 10043), (103, 10079), (118, 10160), (123, 10193), (131, 10217), (150, 10265), (161, 10289), (174, 10331), (194, 10412),

Gene: ODay_13 Start: 7563, Stop: 8147, Start Num: 68

Candidate Starts for ODay_13:

(Start: 68 @7563 has 108 MA's), (74, 7584), (81, 7608), (117, 7776), (119, 7782), (131, 7842), (138, 7878), (139, 7881), (147, 7917), (206, 8124),

Gene: ObiToo_13 Start: 9650, Stop: 10207, Start Num: 68

Candidate Starts for ObiToo_13:

(Start: 68 @9650 has 108 MA's), (131, 9914), (135, 9929),

Gene: OctaviousRex_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for OctaviousRex_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: OkiRoe_16 Start: 10530, Stop: 11141, Start Num: 46

Candidate Starts for OkiRoe_16:

(Start: 46 @10530 has 210 MA's), (69, 10575), (113, 10752), (123, 10809), (127, 10824), (131, 10839), (145, 10908), (147, 10914), (163, 10953), (166, 10965), (170, 10980), (183, 11019), (187, 11037), (189, 11052), (196, 11076), (202, 11106),

Gene: Olga_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Olga_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Olliecat_12 Start: 8550, Stop: 9137, Start Num: 61

Candidate Starts for Olliecat_12:

(Start: 61 @8550 has 156 MA's), (71, 8577), (103, 8691), (145, 8898), (157, 8931), (171, 8973), (173, 8976), (176, 8985),

Gene: OmniCritical_19 Start: 11627, Stop: 12238, Start Num: 48

Candidate Starts for OmniCritical_19:

(Start: 48 @11627 has 48 MA's), (77, 11693), (79, 11699), (89, 11747), (105, 11804), (107, 11810), (111, 11831), (113, 11843), (123, 11900), (127, 11915), (145, 11999), (147, 12005), (163, 12044), (166, 12056), (170, 12071), (187, 12128), (189, 12143), (196, 12167), (202, 12197),

Gene: Omnicron_16 Start: 9598, Stop: 10209, Start Num: 46

Candidate Starts for Omnicron_16:

(Start: 46 @9598 has 210 MA's), (69, 9643), (89, 9724), (113, 9820), (123, 9877), (127, 9892), (131, 9907), (145, 9976), (147, 9982), (163, 10021), (170, 10048), (187, 10105), (189, 10120), (196, 10144), (202, 10174), (209, 10195),

Gene: Oppalora_12 Start: 8378, Stop: 8959, Start Num: 61

Candidate Starts for Oppalora_12:

(Start: 61 @8378 has 156 MA's), (69, 8399), (136, 8687), (163, 8771), (175, 8810), (176, 8813), (184, 8846), (199, 8915), (208, 8945),

Gene: Orcanus_13 Start: 8754, Stop: 9338, Start Num: 61

Candidate Starts for Orcanus_13:

(Start: 61 @8754 has 156 MA's), (184, 9222), (199, 9291), (203, 9303),

Gene: Origami_12 Start: 7693, Stop: 8247, Start Num: 68

Candidate Starts for Origami_12:

(Start: 68 @7693 has 108 MA's), (131, 7957), (135, 7972), (194, 8173), (209, 8236),

Gene: Oscar_17 Start: 9506, Stop: 10117, Start Num: 46

Candidate Starts for Oscar_17:

(Start: 46 @9506 has 210 MA's), (69, 9548), (123, 9782), (127, 9797), (131, 9812), (136, 9842), (145, 9881), (147, 9887), (163, 9926), (166, 9938), (187, 10010), (189, 10025), (196, 10049), (202, 10079), (207, 10100),

Gene: OtsoOtso_13 Start: 8803, Stop: 9384, Start Num: 61

Candidate Starts for OtsoOtso_13:

(Start: 61 @8803 has 156 MA's), (69, 8824), (93, 8911), (105, 8959), (136, 9112), (163, 9196), (174, 9232), (176, 9238), (184, 9271), (199, 9340),

Gene: Pace1224_13 Start: 9947, Stop: 10567, Start Num: 46

Candidate Starts for Pace1224_13:

(Start: 46 @9947 has 210 MA's), (76, 10022), (89, 10079), (103, 10121), (105, 10136), (123, 10232), (127, 10247), (133, 10271), (145, 10331), (153, 10355), (170, 10403), (180, 10433), (189, 10475), (196, 10499), (202, 10529),

Gene: Padfoot_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Padfoot_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: Padpat_18 Start: 10504, Stop: 11115, Start Num: 46

Candidate Starts for Padpat_18:

(Start: 46 @10504 has 210 MA's), (69, 10546), (113, 10723), (123, 10780), (127, 10795), (145, 10879), (147, 10885), (163, 10924), (166, 10936), (175, 10963), (187, 11008), (189, 11023), (196, 11047), (210, 11104),

Gene: Paito_13 Start: 9962, Stop: 10582, Start Num: 46

Candidate Starts for Paito_13:

(Start: 46 @9962 has 210 MA's), (76, 10037), (103, 10136), (105, 10151), (123, 10247), (127, 10262), (131, 10277), (133, 10286), (136, 10307), (145, 10346), (153, 10370), (158, 10379), (163, 10391), (178, 10442), (180, 10448), (187, 10475), (189, 10490), (196, 10514),

Gene: PandaPo_13 Start: 9452, Stop: 10000, Start Num: 68

Candidate Starts for PandaPo_13:

(Start: 68 @9452 has 108 MA's), (135, 9731), (150, 9788), (180, 9875), (190, 9920),

Gene: Paola_16 Start: 10530, Stop: 11141, Start Num: 46

Candidate Starts for Paola_16:

(Start: 46 @10530 has 210 MA's), (69, 10575), (113, 10752), (123, 10809), (127, 10824), (131, 10839), (145, 10908), (147, 10914), (163, 10953), (166, 10965), (170, 10980), (183, 11019), (187, 11037), (189, 11052), (196, 11076), (202, 11106),

Gene: Parada_16 Start: 9700, Stop: 10245, Start Num: 57

Candidate Starts for Parada_16:

(Start: 57 @9700 has 57 MA's), (Start: 64 @9721 has 2 MA's), (203, 10225),

Gene: PastaFagioli_12 Start: 8405, Stop: 9199, Start Num: 61

Candidate Starts for PastaFagioli_12:

(Start: 61 @8405 has 156 MA's), (103, 8552), (105, 8567), (145, 8759), (163, 8804), (176, 8846), (216, 9044),

Gene: Patt_19 Start: 11466, Stop: 12077, Start Num: 48

Candidate Starts for Patt_19:

(Start: 48 @11466 has 48 MA's), (77, 11532), (79, 11538), (81, 11547), (89, 11586), (105, 11643), (107, 11649), (111, 11670), (113, 11682), (123, 11739), (127, 11754), (145, 11838), (147, 11844), (162, 11880), (163, 11883), (166, 11895), (170, 11910), (187, 11967), (189, 11982), (196, 12006), (202, 12036),

Gene: Peanam_18 Start: 9573, Stop: 10184, Start Num: 48

Candidate Starts for Peanam_18:

(Start: 48 @9573 has 48 MA's), (69, 9615), (105, 9753), (113, 9792), (123, 9849), (127, 9864), (136, 9909), (145, 9948), (147, 9954), (148, 9957), (166, 10005), (170, 10020), (187, 10077),

Gene: Pecas_12 Start: 8321, Stop: 9118, Start Num: 61

Candidate Starts for Pecas_12:

(18, 8135), (49, 8291), (Start: 61 @8321 has 156 MA's), (Start: 64 @8327 has 2 MA's), (103, 8468), (105, 8483), (145, 8675), (163, 8720), (176, 8762), (216, 8963),

Gene: Peeb_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Peeb_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (131, 10163), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158,

10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Peel_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Peel_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: Pelletreau_14 Start: 8960, Stop: 9544, Start Num: 61

Candidate Starts for Pelletreau_14:

(Start: 61 @8960 has 156 MA's), (184, 9428), (199, 9497), (203, 9509),

Gene: Percival_12 Start: 9598, Stop: 10164, Start Num: 68

Candidate Starts for Percival_12:

(Start: 68 @9598 has 108 MA's), (85, 9667), (124, 9844), (152, 9943), (176, 10009), (195, 10087), (199, 10111),

Gene: Periodt_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Periodt_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Periwinkle_13 Start: 7496, Stop: 8068, Start Num: 61

Candidate Starts for Periwinkle_13:

(Start: 61 @7496 has 156 MA's), (69, 7517), (77, 7538), (80, 7550), (118, 7709), (126, 7751), (134, 7784), (190, 7973), (211, 8057),

Gene: Phabuloso_13 Start: 7501, Stop: 8073, Start Num: 61

Candidate Starts for Phabuloso_13:

(Start: 61 @7501 has 156 MA's), (69, 7522), (77, 7543), (80, 7555), (118, 7714), (126, 7756), (134, 7789), (190, 7978), (211, 8062),

Gene: Pharb_17 Start: 10403, Stop: 11017, Start Num: 46

Candidate Starts for Pharb_17:

(Start: 46 @10403 has 210 MA's), (69, 10451), (123, 10685), (127, 10700), (136, 10745), (145, 10784), (147, 10790), (148, 10793), (163, 10829), (166, 10841), (170, 10856), (187, 10913), (189, 10928), (196, 10952),

Gene: PhelpsODU_17 Start: 9556, Stop: 10170, Start Num: 46

Candidate Starts for PhelpsODU_17:

(Start: 46 @9556 has 210 MA's), (Start: 57 @9568 has 57 MA's), (69, 9601), (113, 9778), (123, 9835), (127, 9850), (131, 9865), (136, 9895), (145, 9934), (147, 9940), (166, 9991), (175, 10018), (189, 10078), (197, 10105),

Gene: PhigPhack_12 Start: 8349, Stop: 9146, Start Num: 61

Candidate Starts for PhigPhack_12:

(16, 8145), (18, 8163), (31, 8265), (49, 8319), (Start: 61 @8349 has 156 MA's), (Start: 64 @8355 has 2 MA's), (103, 8496), (105, 8511), (145, 8703), (176, 8790), (216, 8991), (219, 9087),

Gene: PhirstandPhine_14 Start: 8964, Stop: 9545, Start Num: 61

Candidate Starts for PhirstandPhine_14:

(Start: 61 @8964 has 156 MA's), (69, 8985), (93, 9072), (105, 9120), (136, 9273), (163, 9357), (174, 9393), (176, 9399), (184, 9432), (199, 9501),

Gene: Phisb_12 Start: 8314, Stop: 9111, Start Num: 61

Candidate Starts for Phisb_12:

(10, 8026), (15, 8107), (16, 8110), (18, 8128), (49, 8284), (Start: 61 @8314 has 156 MA's), (Start: 64 @8320 has 2 MA's), (103, 8461), (105, 8476), (137, 8632), (145, 8668), (163, 8713), (176, 8755), (216, 8956),

Gene: Phish_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Phish_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Phistory_13 Start: 7485, Stop: 8057, Start Num: 61

Candidate Starts for Phistory_13:

(Start: 61 @7485 has 156 MA's), (69, 7506), (77, 7527), (80, 7539), (118, 7698), (126, 7740), (134, 7773), (190, 7962), (211, 8046),

Gene: Phives_14 Start: 10550, Stop: 11101, Start Num: 68

Candidate Starts for Phives_14:

(Start: 68 @10550 has 108 MA's), (101, 10667), (124, 10793), (131, 10814), (135, 10829),

Gene: Phloodle_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Phloodle_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: PhluffyCoco_12 Start: 8378, Stop: 8959, Start Num: 61

Candidate Starts for PhluffyCoco_12:

(Start: 61 @8378 has 156 MA's), (69, 8399), (136, 8687), (163, 8771), (175, 8810), (176, 8813), (184, 8846), (199, 8915), (208, 8945),

Gene: PhorbesPhlower_12 Start: 7004, Stop: 7594, Start Num: 68

Candidate Starts for PhorbesPhlower_12:

(Start: 68 @7004 has 108 MA's), (74, 7025), (90, 7094), (119, 7223), (131, 7283), (147, 7358), (175, 7436), (180, 7454), (191, 7502),

Gene: Phrank_17 Start: 9499, Stop: 10113, Start Num: 46

Candidate Starts for Phrank_17:

(Start: 46 @9499 has 210 MA's), (Start: 57 @9511 has 57 MA's), (69, 9544), (113, 9721), (123, 9778), (127, 9793), (131, 9808), (136, 9838), (145, 9877), (147, 9883), (175, 9961), (189, 10021), (197, 10048),

Gene: Phreak_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Phreak_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Piatt_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Piatt_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: Pimento_17 Start: 9904, Stop: 10449, Start Num: 57

Candidate Starts for Pimento_17:

(Start: 57 @9904 has 57 MA's), (Start: 64 @9925 has 2 MA's), (203, 10429),

Gene: Pineda_14 Start: 8964, Stop: 9545, Start Num: 61

Candidate Starts for Pineda_14:

(Start: 61 @8964 has 156 MA's), (69, 8985), (93, 9072), (105, 9120), (136, 9273), (163, 9357), (174, 9393), (176, 9399), (184, 9432), (199, 9501),

Gene: PinkYoshi_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for PinkYoshi_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Pinnie_14 Start: 10537, Stop: 11160, Start Num: 46

Candidate Starts for Pinnie_14:

(Start: 46 @10537 has 210 MA's), (59, 10564), (76, 10615), (89, 10672), (103, 10714), (105, 10729), (123, 10825), (127, 10840), (133, 10864), (136, 10885), (145, 10924), (153, 10948), (170, 10996), (178, 11020), (180, 11026), (189, 11068),

Gene: Pisa1_17 Start: 10259, Stop: 10870, Start Num: 46

Candidate Starts for Pisa1_17:

(41, 10244), (Start: 46 @10259 has 210 MA's), (69, 10301), (113, 10478), (123, 10535), (127, 10550), (136, 10595), (145, 10634), (147, 10640), (163, 10679), (166, 10691), (175, 10718), (187, 10763), (189, 10778), (196, 10802),

Gene: Pisa4_17 Start: 10259, Stop: 10870, Start Num: 46

Candidate Starts for Pisa4_17:

(41, 10244), (Start: 46 @10259 has 210 MA's), (69, 10301), (113, 10478), (123, 10535), (127, 10550), (136, 10595), (145, 10634), (147, 10640), (163, 10679), (166, 10691), (175, 10718), (187, 10763), (189, 10778), (196, 10802),

Gene: Pixelle_13 Start: 9493, Stop: 10044, Start Num: 68

Candidate Starts for Pixelle_13:

(Start: 68 @9493 has 108 MA's), (124, 9736), (131, 9757),

Gene: Pixie_17 Start: 10319, Stop: 10930, Start Num: 45

Candidate Starts for Pixie_17:

(Start: 45 @10319 has 7 MA's), (69, 10364), (113, 10541), (123, 10598), (127, 10613), (136, 10658), (145, 10697), (147, 10703), (148, 10706), (163, 10742), (166, 10754), (170, 10769), (187, 10826), (189, 10841), (196, 10865),

Gene: Plagueis_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Plagueis_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Pokerus_17 Start: 10458, Stop: 11072, Start Num: 46

Candidate Starts for Pokerus_17:

(Start: 46 @10458 has 210 MA's), (69, 10503), (103, 10626), (113, 10680), (123, 10737), (127, 10752), (145, 10836), (147, 10842), (163, 10881), (166, 10893), (175, 10920), (187, 10965), (189, 10980), (196, 11004),

Gene: Polka_13 Start: 8803, Stop: 9384, Start Num: 61

Candidate Starts for Polka_13:

(Start: 61 @8803 has 156 MA's), (69, 8824), (93, 8911), (105, 8959), (136, 9112), (163, 9196), (174, 9232), (176, 9238), (184, 9271), (199, 9340),

Gene: PondAmelia_15 Start: 8569, Stop: 9366, Start Num: 61

Candidate Starts for PondAmelia_15:

(Start: 61 @8569 has 156 MA's), (Start: 64 @8575 has 2 MA's), (86, 8653), (103, 8719), (138, 8893), (145, 8926), (163, 8971), (176, 9013), (216, 9211),

Gene: Ponzi_51 Start: 29147, Stop: 29737, Start Num: 68

Candidate Starts for Ponzi_51:

(56, 29111), (Start: 68 @29147 has 108 MA's), (105, 29300), (109, 29318), (120, 29372), (126, 29408), (164, 29546), (179, 29597), (208, 29714),

Gene: Powerpuff_13 Start: 9518, Stop: 10069, Start Num: 68

Candidate Starts for Powerpuff_13:

(Start: 68 @9518 has 108 MA's), (124, 9761), (131, 9782), (135, 9797), (194, 10001),

Gene: Prithvi_18 Start: 10468, Stop: 11082, Start Num: 46

Candidate Starts for Prithvi_18:

(Start: 46 @10468 has 210 MA's), (69, 10513), (103, 10636), (113, 10690), (123, 10747), (127, 10762), (145, 10846), (147, 10852), (163, 10891), (166, 10903), (187, 10975), (189, 10990), (196, 11014), (210, 11071),

Gene: Psycho_16 Start: 10498, Stop: 11109, Start Num: 46

Candidate Starts for Psycho_16:

(Start: 46 @10498 has 210 MA's), (69, 10543), (123, 10777), (127, 10792), (131, 10807), (145, 10876), (147, 10882), (163, 10921), (166, 10933), (170, 10948), (187, 11005), (189, 11020), (196, 11044), (202, 11074),

Gene: Pumpkins_13 Start: 9570, Stop: 10121, Start Num: 68

Candidate Starts for Pumpkins_13:

(Start: 68 @9570 has 108 MA's), (124, 9813), (131, 9834),

Gene: Puppies_11 Start: 7567, Stop: 8112, Start Num: 57

Candidate Starts for Puppies_11:

(Start: 57 @7567 has 57 MA's), (121, 7822), (177, 7984), (181, 7996), (182, 7999),

Gene: QMacho_13 Start: 8804, Stop: 9601, Start Num: 61

Candidate Starts for QMacho_13:

(18, 8618), (31, 8720), (49, 8774), (Start: 61 @8804 has 156 MA's), (Start: 64 @8810 has 2 MA's), (103, 8951), (105, 8966), (145, 9158), (163, 9203), (176, 9245), (216, 9446),

Gene: Qhanda_19 Start: 11736, Stop: 12347, Start Num: 48

Candidate Starts for Qhanda_19:

(Start: 48 @11736 has 48 MA's), (77, 11802), (79, 11808), (89, 11856), (105, 11913), (107, 11919), (111, 11940), (113, 11952), (123, 12009), (127, 12024), (145, 12108), (147, 12114), (163, 12153), (166, 12165), (170, 12180), (187, 12237), (189, 12252), (196, 12276), (202, 12306),

Gene: Quenya_13 Start: 8462, Stop: 9052, Start Num: 61

Candidate Starts for Quenya_13:

(Start: 61 @8462 has 156 MA's), (Start: 64 @8468 has 2 MA's), (69, 8483), (78, 8510), (94, 8573), (103, 8606), (105, 8621), (136, 8774), (145, 8813), (147, 8819), (163, 8858), (165, 8867), (175, 8897), (181, 8918),

Gene: QuincyRose_17 Start: 10521, Stop: 11135, Start Num: 46

Candidate Starts for QuincyRose_17:

(Start: 46 @10521 has 210 MA's), (69, 10566), (103, 10689), (113, 10743), (123, 10800), (127, 10815), (145, 10899), (147, 10905), (163, 10944), (166, 10956), (175, 10983), (187, 11028), (189, 11043), (196, 11067),

Gene: Rabbs_13 Start: 9837, Stop: 10457, Start Num: 46

Candidate Starts for Rabbs_13:

(Start: 46 @9837 has 210 MA's), (76, 9912), (103, 10011), (105, 10026), (123, 10122), (127, 10137), (131, 10152), (133, 10161), (136, 10182), (145, 10221), (153, 10245), (158, 10254), (163, 10266), (178, 10317), (180, 10323), (186, 10347), (189, 10365), (196, 10389),

Gene: Ramen_18 Start: 10504, Stop: 11118, Start Num: 46

Candidate Starts for Ramen_18:

(Start: 46 @10504 has 210 MA's), (69, 10549), (103, 10672), (113, 10726), (123, 10783), (127, 10798), (145, 10882), (147, 10888), (163, 10927), (166, 10939), (175, 10966), (187, 11011), (189, 11026), (196, 11050), (210, 11107),

Gene: Rando14_16 Start: 9500, Stop: 10111, Start Num: 46

Candidate Starts for Rando14_16:

(Start: 46 @9500 has 210 MA's), (69, 9545), (113, 9722), (123, 9779), (127, 9794), (131, 9809), (136, 9839), (145, 9878), (147, 9884), (163, 9923), (166, 9935), (170, 9950), (175, 9962), (187, 10007), (189, 10022), (196, 10046), (202, 10076), (209, 10097),

Gene: Rapunzel97_18 Start: 10505, Stop: 11119, Start Num: 46

Candidate Starts for Rapunzel97_18:

(Start: 46 @10505 has 210 MA's), (69, 10550), (103, 10673), (113, 10727), (123, 10784), (127, 10799), (145, 10883), (147, 10889), (163, 10928), (166, 10940), (175, 10967), (187, 11012), (189, 11027), (196, 11051), (210, 11108),

Gene: Rattail_12 Start: 8429, Stop: 9010, Start Num: 61

Candidate Starts for Rattail_12:

(Start: 61 @8429 has 156 MA's), (69, 8450), (136, 8738), (163, 8822), (175, 8861), (176, 8864), (184, 8897), (199, 8966), (208, 8996),

Gene: Rattrick_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Rattrick_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: RedFox_12 Start: 8378, Stop: 8959, Start Num: 61

Candidate Starts for RedFox_12:

(Start: 61 @8378 has 156 MA's), (69, 8399), (136, 8687), (163, 8771), (175, 8810), (176, 8813), (184, 8846), (199, 8915), (208, 8945),

Gene: Reedo_13 Start: 9508, Stop: 10059, Start Num: 68

Candidate Starts for Reedo_13:

(Start: 68 @9508 has 108 MA's), (114, 9703), (120, 9721), (135, 9787), (180, 9937),

Gene: Rem711_18 Start: 11518, Stop: 12087, Start Num: 57

Candidate Starts for Rem711_18:

(Start: 57 @11518 has 57 MA's), (73, 11563), (97, 11668), (122, 11800), (123, 11806), (131, 11830), (132, 11833),

Gene: Remy19_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Remy19_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Renaissance_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Renaissance_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Renna12_13 Start: 8581, Stop: 9165, Start Num: 61

Candidate Starts for Renna12_13:

(Start: 61 @8581 has 156 MA's), (69, 8602), (136, 8890), (163, 8974), (175, 9013), (176, 9016), (199, 9118),

Gene: Reptar3000_19 Start: 11468, Stop: 12079, Start Num: 48

Candidate Starts for Reptar3000_19:

(Start: 48 @11468 has 48 MA's), (77, 11534), (79, 11540), (81, 11549), (89, 11588), (105, 11645), (107, 11651), (111, 11672), (113, 11684), (123, 11741), (127, 11756), (145, 11840), (147, 11846), (162, 11882), (163, 11885), (166, 11897), (170, 11912), (187, 11969), (189, 11984), (196, 12008), (202, 12038),

Gene: Reyja_13 Start: 8077, Stop: 8643, Start Num: 57

Candidate Starts for Reyja_13:

(Start: 57 @8077 has 57 MA's), (86, 8176), (121, 8332), (158, 8437), (181, 8509),

Gene: Richarlison_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Richarlison_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Richo_18 Start: 9573, Stop: 10184, Start Num: 48

Candidate Starts for Richo_18:

(Start: 48 @9573 has 48 MA's), (69, 9615), (105, 9753), (113, 9792), (123, 9849), (127, 9864), (136, 9909), (145, 9948), (147, 9954), (148, 9957), (166, 10005), (170, 10020), (187, 10077),

Gene: Roberts_14 Start: 8154, Stop: 8732, Start Num: 60

Candidate Starts for Roberts_14:

(Start: 60 @8154 has 11 MA's), (131, 8433), (157, 8535), (176, 8589), (209, 8721),

Gene: RockScotty_13 Start: 8980, Stop: 9540, Start Num: 68

Candidate Starts for RockScotty_13:

(Start: 68 @8980 has 108 MA's), (124, 9223), (135, 9259), (152, 9322), (190, 9448), (204, 9505),

Gene: Rollins_11 Start: 8156, Stop: 8740, Start Num: 61

Candidate Starts for Rollins_11:

(Start: 61 @8156 has 156 MA's), (Start: 64 @8162 has 2 MA's), (69, 8177), (71, 8183), (105, 8315), (136, 8468), (138, 8474), (145, 8507), (171, 8582), (174, 8588), (176, 8594),

Gene: Rona_12 Start: 8556, Stop: 9350, Start Num: 61

Candidate Starts for Rona_12:

(Start: 61 @8556 has 156 MA's), (Start: 64 @8562 has 2 MA's), (84, 8631), (103, 8703), (105, 8718), (145, 8910), (163, 8955), (176, 8997), (180, 9012), (208, 9129), (216, 9195), (221, 9303),

Gene: Ronaldo_48 Start: 17900, Stop: 18457, Start Num: 62

Candidate Starts for Ronaldo_48:

(Start: 62 @17900 has 15 MA's), (69, 17918), (87, 17981), (136, 18206), (144, 18224), (147, 18233), (163, 18272), (166, 18284), (188, 18371),

Gene: Rosmarinus_18 Start: 10532, Stop: 11143, Start Num: 46

Candidate Starts for Rosmarinus_18:

(Start: 46 @10532 has 210 MA's), (69, 10574), (103, 10697), (113, 10751), (123, 10808), (127, 10823), (145, 10907), (147, 10913), (163, 10952), (166, 10964), (175, 10991), (187, 11036), (189, 11051), (196, 11075), (210, 11132),

Gene: Rowa_12 Start: 8015, Stop: 8572, Start Num: 68

Candidate Starts for Rowa_12:

(Start: 68 @8015 has 108 MA's), (72, 8027), (92, 8111), (123, 8258), (132, 8285), (137, 8315), (148, 8348), (199, 8525),

Gene: Ruchi_13 Start: 9071, Stop: 9901, Start Num: 61

Candidate Starts for Ruchi_13:

(Start: 61 @9071 has 156 MA's), (136, 9380), (154, 9446), (175, 9503), (192, 9575), (199, 9608), (212, 9662), (215, 9707), (218, 9782),

Gene: RunningOnE_72 Start: 34517, Stop: 35101, Start Num: 68

Candidate Starts for RunningOnE_72:

(Start: 68 @34517 has 108 MA's), (81, 34562), (103, 34658), (107, 34679), (109, 34691), (139, 34835), (179, 34967), (197, 35039), (208, 35084),

Gene: Ruriko_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Ruriko_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Ruthiejr_18 Start: 11323, Stop: 11934, Start Num: 48

Candidate Starts for Ruthiejr_18:

(Start: 48 @11323 has 48 MA's), (77, 11389), (79, 11395), (89, 11443), (105, 11500), (107, 11506), (111, 11527), (113, 11539), (123, 11596), (127, 11611), (131, 11626), (145, 11695), (147, 11701), (170, 11767), (187, 11824), (189, 11839), (196, 11863), (202, 11893),

Gene: Ruthy_13 Start: 8511, Stop: 9053, Start Num: 57

Candidate Starts for Ruthy_13:

(17, 8325), (36, 8460), (Start: 57 @8511 has 57 MA's), (80, 8580), (116, 8739), (118, 8745), (150, 8850), (203, 9036),

Gene: Sabourin_13 Start: 8889, Stop: 9449, Start Num: 68

Candidate Starts for Sabourin_13:

(Start: 68 @8889 has 108 MA's), (124, 9132), (135, 9168), (150, 9225), (190, 9357),

Gene: Salvus_16 Start: 9646, Stop: 10287, Start Num: 48

Candidate Starts for Salvus_16:

(35, 9613), (Start: 48 @9646 has 48 MA's), (Start: 67 @9679 has 1 MA's), (69, 9688), (74, 9706), (90, 9772), (103, 9811), (105, 9826), (126, 9931), (131, 9952), (136, 9982), (145, 10021), (163, 10066), (187, 10150), (191, 10171),

Gene: SamScheppers_17 Start: 11243, Stop: 11854, Start Num: 48

Candidate Starts for SamScheppers_17:

(Start: 48 @11243 has 48 MA's), (77, 11309), (79, 11315), (89, 11363), (105, 11420), (107, 11426), (111, 11447), (113, 11459), (123, 11516), (127, 11531), (145, 11615), (147, 11621), (163, 11660), (166, 11672), (170, 11687), (187, 11744), (189, 11759), (196, 11783), (202, 11813),

Gene: SamuelLPlaqson_18 Start: 10446, Stop: 11060, Start Num: 46

Candidate Starts for SamuelLPlaqson_18:

(Start: 46 @10446 has 210 MA's), (59, 10464), (69, 10491), (113, 10668), (123, 10725), (127, 10740), (131, 10755), (136, 10785), (145, 10824), (147, 10830), (163, 10869), (166, 10881), (175, 10908), (187, 10953), (189, 10968), (196, 10992),

Gene: SanaSana_13 Start: 8569, Stop: 9366, Start Num: 61

Candidate Starts for SanaSana_13:

(Start: 61 @8569 has 156 MA's), (Start: 64 @8575 has 2 MA's), (86, 8653), (103, 8719), (105, 8734), (138, 8893), (145, 8926), (163, 8971), (216, 9211),

Gene: SansAfet_12 Start: 8331, Stop: 9128, Start Num: 61

Candidate Starts for SansAfet_12:

(16, 8127), (18, 8145), (31, 8247), (49, 8301), (Start: 61 @8331 has 156 MA's), (Start: 64 @8337 has 2 MA's), (103, 8478), (105, 8493), (145, 8685), (176, 8772), (216, 8973), (219, 9069),

Gene: Santhid_12 Start: 7942, Stop: 8508, Start Num: 57

Candidate Starts for Santhid_12:

(Start: 57 @7942 has 57 MA's), (86, 8041), (121, 8197), (158, 8302), (181, 8374),

Gene: SarBear_12 Start: 8297, Stop: 9094, Start Num: 61

Candidate Starts for SarBear_12:

(16, 8093), (18, 8111), (49, 8267), (Start: 61 @8297 has 156 MA's), (Start: 64 @8303 has 2 MA's), (103, 8444), (105, 8459), (145, 8651), (176, 8738), (216, 8939), (219, 9035),

Gene: Scarlett_17 Start: 9505, Stop: 10116, Start Num: 46

Candidate Starts for Scarlett_17:

(Start: 46 @9505 has 210 MA's), (69, 9547), (123, 9781), (127, 9796), (131, 9811), (136, 9841), (145, 9880), (147, 9886), (163, 9925), (166, 9937), (187, 10009), (189, 10024), (196, 10048), (202, 10078), (207, 10099),

Gene: Schaffner_13 Start: 9558, Stop: 10109, Start Num: 68

Candidate Starts for Schaffner_13:

(Start: 68 @9558 has 108 MA's), (124, 9801), (195, 10044),

Gene: Schiebel_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Schiebel_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: SgtBeansprout_14 Start: 9777, Stop: 10388, Start Num: 46

Candidate Starts for SgtBeansprout_14:

(Start: 46 @9777 has 210 MA's), (Start: 61 @9798 has 156 MA's), (69, 9819), (103, 9942), (105, 9957), (113, 9996), (123, 10053), (127, 10068), (136, 10113), (145, 10152), (147, 10158), (163, 10197), (166, 10209), (187, 10281), (189, 10296), (196, 10320), (202, 10350),

Gene: ShaboiShabazz_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for ShaboiShabazz_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Shadow1_16 Start: 9392, Stop: 10006, Start Num: 46

Candidate Starts for Shadow1_16:

(Start: 46 @9392 has 210 MA's), (69, 9437), (113, 9614), (123, 9671), (127, 9686), (136, 9731), (145, 9770), (147, 9776), (189, 9914), (197, 9941),

Gene: ShakeltOph_12 Start: 7693, Stop: 8247, Start Num: 68

Candidate Starts for ShakeltOph_12:

(Start: 68 @7693 has 108 MA's), (135, 7972), (144, 8008),

Gene: Shambre1_14 Start: 9456, Stop: 10025, Start Num: 64

Candidate Starts for Shambre1_14:

(Start: 64 @9456 has 2 MA's), (123, 9705), (163, 9849), (169, 9873), (188, 9945), (198, 9984),

Gene: Shaobing_18 Start: 9573, Stop: 10184, Start Num: 48

Candidate Starts for Shaobing_18:

(Start: 48 @9573 has 48 MA's), (69, 9615), (105, 9753), (113, 9792), (123, 9849), (127, 9864), (136, 9909), (145, 9948), (147, 9954), (148, 9957), (166, 10005), (170, 10020), (187, 10077),

Gene: Sharkboy_12 Start: 8555, Stop: 9349, Start Num: 61

Candidate Starts for Sharkboy_12:

(Start: 61 @8555 has 156 MA's), (Start: 64 @8561 has 2 MA's), (84, 8630), (103, 8702), (105, 8717), (145, 8909), (163, 8954), (176, 8996), (180, 9011), (208, 9128), (216, 9194), (221, 9302),

Gene: ShawBrad_13 Start: 7519, Stop: 8091, Start Num: 61

Candidate Starts for ShawBrad_13:

(Start: 61 @7519 has 156 MA's), (69, 7540), (77, 7561), (80, 7573), (118, 7732), (126, 7774), (134, 7807), (190, 7996), (211, 8080),

Gene: Shayna_11 Start: 8161, Stop: 8745, Start Num: 61

Candidate Starts for Shayna_11:

(Start: 61 @8161 has 156 MA's), (69, 8182), (103, 8299), (136, 8467), (145, 8506), (173, 8584),

Gene: ShedlockHolmes_17 Start: 10567, Stop: 11178, Start Num: 45

Candidate Starts for ShedlockHolmes_17:

(Start: 45 @10567 has 7 MA's), (69, 10612), (113, 10789), (123, 10846), (127, 10861), (136, 10906), (140, 10918), (145, 10945), (147, 10951), (148, 10954), (163, 10990), (166, 11002), (170, 11017), (187, 11074), (189, 11089), (196, 11113),

Gene: Shen_14 Start: 8961, Stop: 9545, Start Num: 61

Candidate Starts for Shen_14:

(Start: 61 @8961 has 156 MA's), (184, 9429), (199, 9498), (203, 9510),

Gene: ShiaSurprise_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for ShiaSurprise_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: SilverChicken_14 Start: 7679, Stop: 8272, Start Num: 62

Candidate Starts for SilverChicken_14:

(Start: 62 @7679 has 15 MA's), (69, 7697), (103, 7814), (110, 7853), (122, 7919), (131, 7952), (134, 7964), (138, 7988), (163, 8060), (165, 8069), (167, 8081), (172, 8093), (180, 8117), (184, 8135),

Gene: Simpson_14 Start: 9468, Stop: 10019, Start Num: 68

Candidate Starts for Simpson_14:

(Start: 68 @9468 has 108 MA's), (124, 9711), (131, 9732), (135, 9747), (194, 9951),

Gene: SirBeanington_12 Start: 8323, Stop: 9120, Start Num: 61

Candidate Starts for SirBeanington_12:

(10, 8035), (15, 8116), (16, 8119), (18, 8137), (19, 8146), (49, 8293), (Start: 61 @8323 has 156 MA's), (Start: 64 @8329 has 2 MA's), (103, 8470), (105, 8485), (137, 8641), (145, 8677), (163, 8722), (176, 8764), (216, 8965),

Gene: SirPhilip_17 Start: 9268, Stop: 9879, Start Num: 46

Candidate Starts for SirPhilip_17:

(Start: 46 @9268 has 210 MA's), (86, 9376), (105, 9448), (113, 9487), (123, 9544), (127, 9559), (136, 9604), (142, 9628), (145, 9643), (147, 9649), (163, 9688), (166, 9700), (189, 9787), (196, 9811), (207, 9862),

Gene: Sizemore_13 Start: 9855, Stop: 10469, Start Num: 46

Candidate Starts for Sizemore_13:

(Start: 46 @9855 has 210 MA's), (69, 9900), (76, 9924), (98, 10002), (103, 10023), (105, 10038), (123, 10134), (127, 10149), (133, 10173), (136, 10194), (145, 10233), (153, 10257), (158, 10266), (163, 10278), (180, 10335), (187, 10362), (189, 10377), (196, 10401),

Gene: Skelbel_13 Start: 9449, Stop: 10000, Start Num: 68

Candidate Starts for Skelbel_13:

(Start: 68 @9449 has 108 MA's), (131, 9713), (135, 9728), (194, 9932),

Gene: Skylord_11 Start: 8096, Stop: 8680, Start Num: 61

Candidate Starts for Skylord_11:

(Start: 61 @8096 has 156 MA's), (Start: 64 @8102 has 2 MA's), (69, 8117), (71, 8123), (105, 8255), (136, 8408), (138, 8414), (145, 8447), (171, 8522), (174, 8528), (176, 8534),

Gene: Slarp_19 Start: 11727, Stop: 12338, Start Num: 48

Candidate Starts for Slarp_19:

(Start: 48 @11727 has 48 MA's), (77, 11793), (79, 11799), (89, 11847), (105, 11904), (107, 11910), (111, 11931), (113, 11943), (123, 12000), (127, 12015), (145, 12099), (147, 12105), (163, 12144), (166, 12156), (170, 12171), (187, 12228), (189, 12243), (196, 12267), (202, 12297),

Gene: Slay_12 Start: 8773, Stop: 9570, Start Num: 61

Candidate Starts for Slay_12:

(16, 8569), (18, 8587), (49, 8743), (Start: 61 @8773 has 156 MA's), (Start: 64 @8779 has 2 MA's), (103, 8920), (105, 8935), (145, 9127), (176, 9214), (216, 9415), (219, 9511),

Gene: Slimphazie_18 Start: 10505, Stop: 11119, Start Num: 46

Candidate Starts for Slimphazie_18:

(Start: 46 @10505 has 210 MA's), (69, 10550), (103, 10673), (113, 10727), (123, 10784), (127, 10799), (145, 10883), (147, 10889), (163, 10928), (166, 10940), (175, 10967), (187, 11012), (189, 11027), (196, 11051), (210, 11108),

Gene: Sneeze_13 Start: 9836, Stop: 10456, Start Num: 46

Candidate Starts for Sneeze_13:

(Start: 46 @9836 has 210 MA's), (76, 9911), (103, 10010), (105, 10025), (123, 10121), (127, 10136), (131, 10151), (133, 10160), (136, 10181), (145, 10220), (153, 10244), (158, 10253), (163, 10265), (178, 10316), (180, 10322), (186, 10346), (189, 10364), (196, 10388),

Gene: Snek_13 Start: 8559, Stop: 9110, Start Num: 68

Candidate Starts for Snek_13:

(Start: 68 @8559 has 108 MA's), (114, 8754), (124, 8802), (180, 8982),

Gene: SoSeph_16 Start: 10657, Stop: 11268, Start Num: 46

Candidate Starts for SoSeph_16:

(Start: 46 @10657 has 210 MA's), (69, 10702), (113, 10879), (123, 10936), (127, 10951), (131, 10966), (145, 11035), (147, 11041), (163, 11080), (170, 11107), (183, 11146), (187, 11164), (189, 11179), (196, 11203), (202, 11233),

Gene: Softsoap_12 Start: 8320, Stop: 9117, Start Num: 61

Candidate Starts for Softsoap_12:

(16, 8116), (18, 8134), (31, 8236), (49, 8290), (Start: 61 @8320 has 156 MA's), (Start: 64 @8326 has 2 MA's), (103, 8467), (105, 8482), (145, 8674), (176, 8761), (216, 8962), (219, 9058),

Gene: Solea_13 Start: 8706, Stop: 9503, Start Num: 61

Candidate Starts for Solea_13:

(16, 8502), (18, 8520), (31, 8622), (49, 8676), (Start: 61 @8706 has 156 MA's), (Start: 64 @8712 has 2 MA's), (103, 8853), (105, 8868), (145, 9060), (176, 9147), (216, 9348), (219, 9444),

Gene: Soondubu_12 Start: 9369, Stop: 9917, Start Num: 68

Candidate Starts for Soondubu_12:

(Start: 68 @9369 has 108 MA's), (81, 9414), (195, 9852), (196, 9855), (203, 9888),

Gene: Sooty_13 Start: 8890, Stop: 9450, Start Num: 68

Candidate Starts for Sooty_13:

(Start: 68 @8890 has 108 MA's), (124, 9133), (135, 9169), (150, 9226), (190, 9358),

Gene: Soul22_14 Start: 7679, Stop: 8272, Start Num: 62

Candidate Starts for Soul22_14:

(28, 7577), (Start: 62 @7679 has 15 MA's), (69, 7697), (103, 7814), (110, 7853), (122, 7919), (131, 7952), (134, 7964), (138, 7988), (163, 8060), (164, 8063), (167, 8081), (172, 8093), (180, 8117), (184, 8135),

Gene: Spartoi_11 Start: 7044, Stop: 7571, Start Num: 67

Candidate Starts for Spartoi_11:

(Start: 67 @7044 has 1 MA's), (84, 7104), (123, 7290), (125, 7296), (180, 7458), (210, 7563),

Gene: SpecialK_13 Start: 8887, Stop: 9447, Start Num: 68

Candidate Starts for SpecialK_13:

(Start: 68 @8887 has 108 MA's), (124, 9130), (135, 9166), (150, 9223), (190, 9355), (204, 9412),

Gene: Spock_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Spock_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: Spooks_57 Start: 33105, Stop: 33695, Start Num: 68

Candidate Starts for Spooks_57:

(Start: 60 @33087 has 11 MA's), (Start: 68 @33105 has 108 MA's), (87, 33183), (112, 33291), (120, 33330), (122, 33351), (130, 33381), (139, 33423), (164, 33510), (174, 33543), (175, 33546), (179, 33561),

Gene: Spooky_13 Start: 7512, Stop: 8081, Start Num: 61

Candidate Starts for Spooky_13:

(Start: 61 @7512 has 156 MA's), (69, 7533), (77, 7554), (80, 7566), (118, 7725), (126, 7767), (134, 7800), (168, 7908), (190, 7989),

Gene: Sprinklemunch_12 Start: 8286, Stop: 8828, Start Num: 57

Candidate Starts for Sprinklemunch_12:

(40, 8244), (55, 8280), (Start: 57 @8286 has 57 MA's), (98, 8418), (118, 8520), (150, 8625), (203, 8811),

Gene: Squiddly_14 Start: 8181, Stop: 8753, Start Num: 61

Candidate Starts for Squiddly_14:

(Start: 61 @8181 has 156 MA's), (69, 8202), (77, 8223), (80, 8235), (118, 8394), (126, 8436), (134, 8469), (190, 8658), (211, 8742),

Gene: Squirrel_12 Start: 8549, Stop: 9136, Start Num: 61

Candidate Starts for Squirrel_12:

(Start: 61 @8549 has 156 MA's), (71, 8576), (103, 8690), (145, 8897), (157, 8930), (171, 8972), (173, 8975), (176, 8984),

Gene: Stargaze_13 Start: 10149, Stop: 10772, Start Num: 46

Candidate Starts for Stargaze_13:

(Start: 46 @10149 has 210 MA's), (76, 10227), (89, 10284), (103, 10326), (105, 10341), (123, 10437), (127, 10452), (133, 10476), (136, 10497), (145, 10536), (153, 10560), (170, 10608), (180, 10638), (189, 10680), (196, 10704),

Gene: Stellammi_10 Start: 6989, Stop: 7576, Start Num: 61

Candidate Starts for Stellammi_10:

(54, 6965), (Start: 61 @6989 has 156 MA's), (80, 7043), (94, 7094), (108, 7151), (126, 7244), (131, 7265), (138, 7301), (144, 7328), (147, 7340), (154, 7361), (160, 7370), (184, 7460), (192, 7496), (194, 7502), (196, 7508), (201, 7535),

Gene: Stinson_18 Start: 10468, Stop: 11079, Start Num: 47

Candidate Starts for Stinson_18:

(Start: 47 @10468 has 5 MA's), (69, 10510), (103, 10633), (113, 10687), (123, 10744), (127, 10759), (136, 10804), (145, 10843), (147, 10849), (163, 10888), (166, 10900), (175, 10927), (187, 10972), (189, 10987), (196, 11011),

Gene: Stoor_12 Start: 8566, Stop: 9363, Start Num: 61

Candidate Starts for Stoor_12:

(Start: 61 @8566 has 156 MA's), (Start: 64 @8572 has 2 MA's), (86, 8650), (103, 8716), (105, 8731), (138, 8890), (145, 8923), (163, 8968), (216, 9208),

Gene: Strobilo_14 Start: 8532, Stop: 9146, Start Num: 44

Candidate Starts for Strobilo_14:

(Start: 44 @8532 has 8 MA's), (Start: 67 @8571 has 1 MA's), (69, 8580), (123, 8814), (127, 8829), (131, 8844), (136, 8874), (145, 8913), (147, 8919), (162, 8955), (166, 8970), (175, 8997), (187, 9042), (189, 9057), (196, 9081),

Gene: Stromboli_12 Start: 8570, Stop: 9367, Start Num: 61

Candidate Starts for Stromboli_12:

(Start: 61 @8570 has 156 MA's), (Start: 64 @8576 has 2 MA's), (103, 8720), (105, 8735), (138, 8894), (145, 8927), (163, 8972), (208, 9146), (216, 9212),

Gene: StuartMinion_12 Start: 8406, Stop: 8987, Start Num: 61

Candidate Starts for StuartMinion_12:

(13, 8169), (14, 8190), (24, 8265), (Start: 44 @8355 has 8 MA's), (Start: 61 @8406 has 156 MA's), (69, 8427), (136, 8715), (138, 8721), (163, 8799), (175, 8838), (176, 8841), (208, 8973),

Gene: Studio_14 Start: 7913, Stop: 8494, Start Num: 60

Candidate Starts for Studio_14:

(Start: 60 @7913 has 11 MA's), (157, 8294), (176, 8348), (209, 8480),

Gene: Stuu_13 Start: 8980, Stop: 9540, Start Num: 68

Candidate Starts for Stuu_13:

(Start: 68 @8980 has 108 MA's), (124, 9223), (135, 9259), (152, 9322), (190, 9448), (204, 9505),

Gene: SuMoo_11 Start: 7932, Stop: 8495, Start Num: 68

Candidate Starts for SuMoo_11:

(Start: 68 @7932 has 108 MA's), (101, 8049), (114, 8127), (199, 8442),

Gene: Subaru_13 Start: 9449, Stop: 10000, Start Num: 68

Candidate Starts for Subaru_13:

(Start: 68 @9449 has 108 MA's), (131, 9713), (135, 9728), (194, 9932),

Gene: Success_58 Start: 32224, Stop: 32814, Start Num: 68

Candidate Starts for Success_58:

(Start: 60 @32206 has 11 MA's), (Start: 68 @32224 has 108 MA's), (103, 32362), (120, 32449), (122, 32470), (139, 32542), (143, 32563), (164, 32629), (174, 32662), (175, 32665), (179, 32680),

Gene: Sue2_13 Start: 9472, Stop: 10023, Start Num: 68

Candidate Starts for Sue2_13:

(Start: 68 @9472 has 108 MA's), (124, 9715),

Gene: Sulley_18 Start: 10474, Stop: 11088, Start Num: 46

Candidate Starts for Sulley_18:

(Start: 46 @10474 has 210 MA's), (69, 10519), (103, 10642), (113, 10696), (123, 10753), (127, 10768), (145, 10852), (147, 10858), (163, 10897), (166, 10909), (175, 10936), (187, 10981), (189, 10996), (196, 11020), (210, 11077),

Gene: Sunflower1121_16 Start: 9403, Stop: 10017, Start Num: 46

Candidate Starts for Sunflower1121_16:

(Start: 46 @9403 has 210 MA's), (69, 9448), (113, 9625), (123, 9682), (127, 9697), (136, 9742), (145, 9781), (147, 9787), (189, 9925), (197, 9952),

Gene: SunnyD_11 Start: 8161, Stop: 8745, Start Num: 61

Candidate Starts for SunnyD_11:

(Start: 61 @8161 has 156 MA's), (69, 8182), (103, 8299), (136, 8467), (145, 8506), (173, 8584),

Gene: SuperHands_12 Start: 9770, Stop: 10336, Start Num: 68

Candidate Starts for SuperHands_12:

(Start: 68 @9770 has 108 MA's), (85, 9839), (124, 10016), (152, 10115), (176, 10181), (195, 10259), (199, 10283),

Gene: Sweets_13 Start: 9849, Stop: 10463, Start Num: 46

Candidate Starts for Sweets_13:

(Start: 46 @9849 has 210 MA's), (69, 9894), (76, 9918), (98, 9996), (103, 10017), (105, 10032), (123, 10128), (127, 10143), (133, 10167), (136, 10188), (145, 10227), (153, 10251), (158, 10260), (163, 10272), (180, 10329), (187, 10356), (189, 10371), (196, 10395),

Gene: Swervy_12 Start: 8297, Stop: 9094, Start Num: 61

Candidate Starts for Swervy_12:

(16, 8093), (18, 8111), (49, 8267), (Start: 61 @8297 has 156 MA's), (Start: 64 @8303 has 2 MA's), (103, 8444), (105, 8459), (145, 8651), (176, 8738), (216, 8939), (219, 9035),

Gene: Syra333_17 Start: 9500, Stop: 10114, Start Num: 46

Candidate Starts for Syra333_17:

(Start: 46 @9500 has 210 MA's), (69, 9545), (113, 9722), (123, 9779), (127, 9794), (131, 9809), (136, 9839), (145, 9878), (147, 9884), (189, 10022), (197, 10049), (207, 10097),

Gene: TBond007_17 Start: 10318, Stop: 10929, Start Num: 45

Candidate Starts for TBond007_17:

(Start: 45 @10318 has 7 MA's), (69, 10363), (113, 10540), (123, 10597), (127, 10612), (136, 10657), (145, 10696), (147, 10702), (148, 10705), (163, 10741), (166, 10753), (170, 10768), (187, 10825), (189, 10840), (196, 10864),

Gene: TClif_17 Start: 9491, Stop: 10102, Start Num: 46

Candidate Starts for TClif_17:

(30, 9443), (Start: 46 @9491 has 210 MA's), (Start: 62 @9515 has 15 MA's), (105, 9671), (113, 9710), (123, 9767), (127, 9782), (131, 9797), (136, 9827), (145, 9866), (147, 9872), (163, 9911), (166, 9923), (175, 9950), (189, 10010), (196, 10034), (201, 10061), (207, 10085),

Gene: TM4_14 Start: 8590, Stop: 9204, Start Num: 44

Candidate Starts for TM4_14:

(Start: 44 @8590 has 8 MA's), (69, 8638), (123, 8872), (127, 8887), (131, 8902), (136, 8932), (142, 8956), (145, 8971), (147, 8977), (163, 9016), (166, 9028), (170, 9043), (187, 9100), (189, 9115), (196, 9139), (202, 9169),

Gene: TMaxx_14 Start: 8024, Stop: 8605, Start Num: 60

Candidate Starts for TMaxx_14:

(Start: 60 @8024 has 11 MA's), (70, 8051), (171, 8447),

Gene: Tachez_18 Start: 10467, Stop: 11081, Start Num: 46

Candidate Starts for Tachez_18:

(Start: 46 @10467 has 210 MA's), (69, 10512), (103, 10635), (113, 10689), (123, 10746), (127, 10761), (145, 10845), (147, 10851), (163, 10890), (166, 10902), (175, 10929), (187, 10974), (189, 10989), (196, 11013),

Gene: Taheera_13 Start: 9846, Stop: 10466, Start Num: 46

Candidate Starts for Taheera_13:

(Start: 46 @9846 has 210 MA's), (76, 9921), (105, 10035), (123, 10131), (127, 10146), (131, 10161), (136, 10191), (145, 10230), (153, 10254), (158, 10263), (163, 10275), (178, 10326), (180, 10332), (186, 10356), (189, 10374), (196, 10398),

Gene: TaiwanKao_19 Start: 10474, Stop: 11088, Start Num: 46

Candidate Starts for TaiwanKao_19:

(Start: 46 @10474 has 210 MA's), (69, 10519), (103, 10642), (113, 10696), (123, 10753), (127, 10768), (145, 10852), (147, 10858), (163, 10897), (166, 10909), (175, 10936), (187, 10981), (189, 10996), (196, 11020), (210, 11077),

Gene: Tallboi_13 Start: 9476, Stop: 10027, Start Num: 68

Candidate Starts for Tallboi_13:

(Start: 68 @9476 has 108 MA's), (124, 9719), (135, 9755), (194, 9959),

Gene: Taquito_17 Start: 11314, Stop: 11925, Start Num: 48

Candidate Starts for Taquito_17:

(Start: 48 @11314 has 48 MA's), (77, 11380), (79, 11386), (89, 11434), (105, 11491), (107, 11497), (111, 11518), (113, 11530), (123, 11587), (127, 11602), (131, 11617), (145, 11686), (147, 11692), (170, 11758), (187, 11815), (189, 11830), (196, 11854), (202, 11884),

Gene: Tarzan_12 Start: 7931, Stop: 8497, Start Num: 57

Candidate Starts for Tarzan_12:

(Start: 57 @7931 has 57 MA's), (86, 8030), (121, 8186), (158, 8291), (165, 8309), (181, 8363),

Gene: TaylorSipht_13 Start: 8839, Stop: 9423, Start Num: 61

Candidate Starts for TaylorSipht_13:

(Start: 61 @8839 has 156 MA's), (91, 8938), (175, 9271), (199, 9376), (203, 9388),

Gene: Tbone_13 Start: 9461, Stop: 10012, Start Num: 68

Candidate Starts for Tbone_13:

(Start: 68 @9461 has 108 MA's), (131, 9725), (132, 9728), (135, 9740), (194, 9944),

Gene: Teagster_11 Start: 8161, Stop: 8745, Start Num: 61

Candidate Starts for Teagster_11:

(Start: 61 @8161 has 156 MA's), (69, 8182), (136, 8467), (145, 8506), (173, 8584),

Gene: Teejan_14 Start: 9777, Stop: 10388, Start Num: 46

Candidate Starts for Teejan_14:

(Start: 46 @9777 has 210 MA's), (Start: 61 @9798 has 156 MA's), (69, 9819), (103, 9942), (105, 9957), (113, 9996), (123, 10053), (127, 10068), (136, 10113), (145, 10152), (147, 10158), (163, 10197), (166, 10209), (187, 10281), (189, 10296), (196, 10320), (202, 10350),

Gene: Terror_13 Start: 9846, Stop: 10466, Start Num: 46

Candidate Starts for Terror_13:

(Start: 46 @9846 has 210 MA's), (76, 9921), (105, 10035), (123, 10131), (127, 10146), (131, 10161), (136, 10191), (145, 10230), (153, 10254), (158, 10263), (163, 10275), (178, 10326), (180, 10332), (186, 10356), (189, 10374), (196, 10398),

Gene: TforTroy_13 Start: 9590, Stop: 10141, Start Num: 68

Candidate Starts for TforTroy_13:

(Start: 68 @9590 has 108 MA's), (90, 9677), (124, 9833),

Gene: ThursdayNight_12 Start: 7964, Stop: 8515, Start Num: 68

Candidate Starts for ThursdayNight_12:

(Start: 68 @7964 has 108 MA's), (81, 8009), (114, 8159), (132, 8231), (183, 8396), (195, 8450),

Gene: Thyatira_16 Start: 10529, Stop: 11140, Start Num: 46

Candidate Starts for Thyatira_16:

(Start: 46 @10529 has 210 MA's), (69, 10574), (81, 10616), (113, 10751), (123, 10808), (127, 10823), (131, 10838), (145, 10907), (147, 10913), (163, 10952), (166, 10964), (170, 10979), (183, 11018), (187, 11036), (189, 11051), (196, 11075), (202, 11105),

Gene: Tian_13 Start: 9490, Stop: 10041, Start Num: 68

Candidate Starts for Tian_13:

(Start: 68 @9490 has 108 MA's), (124, 9733), (131, 9754),

Gene: Tierra_17 Start: 10220, Stop: 10834, Start Num: 46

Candidate Starts for Tierra_17:

(Start: 46 @10220 has 210 MA's), (Start: 57 @10232 has 57 MA's), (69, 10265), (113, 10442), (123, 10499), (127, 10514), (131, 10529), (136, 10559), (145, 10598), (147, 10604), (175, 10682), (189, 10742), (197, 10769),

Gene: Tigress9_17 Start: 9483, Stop: 10097, Start Num: 46

Candidate Starts for Tigress9_17:

(Start: 46 @9483 has 210 MA's), (69, 9528), (113, 9705), (123, 9762), (127, 9777), (131, 9792), (136, 9822), (145, 9861), (147, 9867), (189, 10005), (197, 10032), (207, 10080),

Gene: TinaBug_13 Start: 9849, Stop: 10463, Start Num: 46

Candidate Starts for TinaBug_13:

(Start: 46 @9849 has 210 MA's), (69, 9894), (76, 9918), (103, 10017), (105, 10032), (123, 10128), (127, 10143), (131, 10158), (133, 10167), (136, 10188), (145, 10227), (153, 10251), (158, 10260), (163, 10272), (180, 10329), (187, 10356), (189, 10371), (196, 10395),

Gene: TingHuaYa_18 Start: 9532, Stop: 10146, Start Num: 48

Candidate Starts for TingHuaYa_18:

(Start: 48 @9532 has 48 MA's), (69, 9577), (105, 9715), (113, 9754), (123, 9811), (131, 9841), (136, 9871), (145, 9910), (147, 9916), (163, 9955), (187, 10039), (196, 10078), (202, 10108), (207, 10129),

Gene: TiniBug_18 Start: 10446, Stop: 11060, Start Num: 46

Candidate Starts for TiniBug_18:

(Start: 46 @10446 has 210 MA's), (59, 10464), (69, 10491), (113, 10668), (123, 10725), (127, 10740), (131, 10755), (136, 10785), (145, 10824), (147, 10830), (163, 10869), (166, 10881), (175, 10908), (187, 10953), (189, 10968), (196, 10992),

Gene: Tiri_18 Start: 10513, Stop: 11127, Start Num: 46

Candidate Starts for Tiri_18:

(Start: 46 @10513 has 210 MA's), (69, 10558), (103, 10681), (113, 10735), (123, 10792), (127, 10807), (145, 10891), (147, 10897), (163, 10936), (166, 10948), (175, 10975), (187, 11020), (189, 11035), (196, 11059),

Gene: Toad24_14 Start: 8961, Stop: 9545, Start Num: 61

Candidate Starts for Toad24_14:

(Start: 61 @8961 has 156 MA's), (184, 9429), (199, 9498), (203, 9510),

Gene: TomBrady_13 Start: 9855, Stop: 10469, Start Num: 46

Candidate Starts for TomBrady_13:

(Start: 46 @9855 has 210 MA's), (69, 9900), (76, 9924), (98, 10002), (103, 10023), (105, 10038), (123, 10134), (127, 10149), (133, 10173), (136, 10194), (145, 10233), (153, 10257), (158, 10266), (163, 10278), (180, 10335), (187, 10362), (189, 10377), (196, 10401),

Gene: Topper_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Topper_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: Torres_14 Start: 9777, Stop: 10388, Start Num: 46

Candidate Starts for Torres_14:

(Start: 46 @9777 has 210 MA's), (Start: 61 @9798 has 156 MA's), (69, 9819), (103, 9942), (105, 9957), (113, 9996), (123, 10053), (127, 10068), (136, 10113), (145, 10152), (147, 10158), (163, 10197), (166, 10209), (187, 10281), (189, 10296), (196, 10320), (202, 10350),

Gene: TreyKay_18 Start: 10468, Stop: 11082, Start Num: 46

Candidate Starts for TreyKay_18:

(Start: 46 @10468 has 210 MA's), (69, 10513), (103, 10636), (113, 10690), (123, 10747), (127, 10762), (145, 10846), (147, 10852), (163, 10891), (166, 10903), (187, 10975), (189, 10990), (196, 11014), (210, 11071),

Gene: TribbleTrouble_16 Start: 10378, Stop: 10989, Start Num: 46

Candidate Starts for TribbleTrouble_16:

(Start: 46 @10378 has 210 MA's), (69, 10423), (113, 10600), (123, 10657), (127, 10672), (136, 10717), (145, 10756), (147, 10762), (148, 10765), (166, 10813), (170, 10828), (187, 10885), (189, 10900), (196, 10924),

Gene: Trice_14 Start: 9777, Stop: 10388, Start Num: 46

Candidate Starts for Trice_14:

(Start: 46 @9777 has 210 MA's), (Start: 61 @9798 has 156 MA's), (69, 9819), (103, 9942), (105, 9957), (113, 9996), (123, 10053), (127, 10068), (136, 10113), (145, 10152), (147, 10158), (163, 10197), (166, 10209), (187, 10281), (189, 10296), (196, 10320), (202, 10350),

Gene: Trine_11 Start: 7558, Stop: 8103, Start Num: 57

Candidate Starts for Trine_11:

(Start: 57 @7558 has 57 MA's), (81, 7630), (88, 7669), (118, 7792), (121, 7813),

Gene: TripleC_17 Start: 11530, Stop: 12108, Start Num: 60

Candidate Starts for TripleC_17:

(Start: 60 @11530 has 11 MA's), (70, 11557), (171, 11953), (198, 12058),

Gene: TruffulaTree_18 Start: 10501, Stop: 11115, Start Num: 46

Candidate Starts for TruffulaTree_18:

(Start: 46 @10501 has 210 MA's), (69, 10546), (103, 10669), (113, 10723), (123, 10780), (127, 10795), (145, 10879), (147, 10885), (163, 10924), (166, 10936), (175, 10963), (187, 11008), (189, 11023), (196, 11047), (210, 11104),

Gene: Tuck_14 Start: 10510, Stop: 11061, Start Num: 68

Candidate Starts for Tuck_14:

(Start: 68 @10510 has 108 MA's), (131, 10774), (135, 10789),

Gene: TukTuk_12 Start: 8357, Stop: 9154, Start Num: 61

Candidate Starts for TukTuk_12:

(16, 8153), (18, 8171), (49, 8327), (Start: 61 @8357 has 156 MA's), (Start: 64 @8363 has 2 MA's), (103, 8504), (105, 8519), (145, 8711), (176, 8798), (216, 8999),

Gene: Turab_13 Start: 9478, Stop: 10029, Start Num: 68

Candidate Starts for Turab_13:

(Start: 68 @9478 has 108 MA's), (101, 9595), (124, 9721), (131, 9742), (135, 9757), (194, 9961),

Gene: Tutumahutu_13 Start: 9518, Stop: 10069, Start Num: 68

Candidate Starts for Tutumahutu_13:

(Start: 68 @9518 has 108 MA's), (124, 9761), (131, 9782), (135, 9797), (194, 10001),

Gene: Tweety19_13 Start: 8558, Stop: 9109, Start Num: 68

Candidate Starts for Tweety19_13:

(Start: 68 @8558 has 108 MA's), (114, 8753), (124, 8801), (180, 8981),

Gene: Twitch_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Twitch_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (103, 10709), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: Typha_19 Start: 12487, Stop: 13128, Start Num: 39

Candidate Starts for Typha_19:

(Start: 39 @12487 has 2 MA's), (50, 12517), (Start: 61 @12547 has 156 MA's), (78, 12592), (118, 12763), (128, 12814), (131, 12826), (136, 12856), (163, 12940), (171, 12970), (187, 13024), (208, 13117),

Gene: Ubuntu_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for Ubuntu_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: Unicorn_17 Start: 9556, Stop: 10170, Start Num: 46

Candidate Starts for Unicorn_17:

(Start: 46 @9556 has 210 MA's), (Start: 57 @9568 has 57 MA's), (69, 9601), (113, 9778), (123, 9835), (127, 9850), (131, 9865), (136, 9895), (145, 9934), (147, 9940), (166, 9991), (175, 10018), (189, 10078), (197, 10105),

Gene: Upyo_11 Start: 7576, Stop: 8118, Start Num: 57

Candidate Starts for Upyo_11:

(Start: 51 @7564 has 2 MA's), (Start: 57 @7576 has 57 MA's), (118, 7810), (121, 7831), (148, 7909), (150, 7915), (205, 8107),

Gene: Urkel_18 Start: 10446, Stop: 11060, Start Num: 46

Candidate Starts for Urkel_18:

(Start: 46 @10446 has 210 MA's), (59, 10464), (69, 10491), (113, 10668), (123, 10725), (127, 10740), (131, 10755), (136, 10785), (145, 10824), (147, 10830), (163, 10869), (166, 10881), (175, 10908), (187, 10953), (189, 10968), (196, 10992),

Gene: UtzChips_11 Start: 8624, Stop: 9187, Start Num: 68

Candidate Starts for UtzChips_11:

(Start: 68 @8624 has 108 MA's), (101, 8741), (180, 9047), (199, 9134),

Gene: VResidence_13 Start: 9552, Stop: 10100, Start Num: 68

Candidate Starts for VResidence_13:

(66, 9546), (Start: 68 @9552 has 108 MA's), (195, 10038),

Gene: VWB_13 Start: 8668, Stop: 9222, Start Num: 68

Candidate Starts for VWB_13:

(Start: 68 @8668 has 108 MA's), (114, 8860), (132, 8932), (138, 8965), (169, 9052), (175, 9067),

Gene: Validus_18 Start: 9492, Stop: 10103, Start Num: 48

Candidate Starts for Validus_18:

(Start: 48 @9492 has 48 MA's), (69, 9534), (87, 9603), (89, 9615), (105, 9672), (113, 9711), (123, 9768), (127, 9783), (136, 9828), (145, 9867), (147, 9873), (148, 9876), (163, 9912), (170, 9939), (187, 9996), (197, 10038),

Gene: Veliki_18 Start: 10544, Stop: 11155, Start Num: 46

Candidate Starts for Veliki_18:

(Start: 46 @10544 has 210 MA's), (69, 10586), (113, 10763), (123, 10820), (127, 10835), (145, 10919), (147, 10925), (163, 10964), (166, 10976), (175, 11003), (187, 11048), (189, 11063), (196, 11087), (210, 11144),

Gene: Vitas_11 Start: 8096, Stop: 8680, Start Num: 61

Candidate Starts for Vitas_11:

(Start: 61 @8096 has 156 MA's), (Start: 64 @8102 has 2 MA's), (69, 8117), (71, 8123), (105, 8255), (136, 8408), (138, 8414), (145, 8447), (171, 8522), (174, 8528), (176, 8534),

Gene: ViviJ_15 Start: 10385, Stop: 10996, Start Num: 46

Candidate Starts for ViviJ_15:

(Start: 46 @10385 has 210 MA's), (69, 10430), (113, 10607), (123, 10664), (127, 10679), (131, 10694), (145, 10763), (147, 10769), (163, 10808), (170, 10835), (187, 10892), (189, 10907), (196, 10931), (202, 10961),

Gene: Volt_47 Start: 17900, Stop: 18457, Start Num: 62

Candidate Starts for Volt_47:

(Start: 62 @17900 has 15 MA's), (69, 17918), (87, 17981), (136, 18206), (144, 18224), (147, 18233), (163, 18272), (166, 18284), (188, 18371),

Gene: VroomVroom_12 Start: 7705, Stop: 8259, Start Num: 68

Candidate Starts for VroomVroom_12:

(Start: 68 @7705 has 108 MA's), (81, 7750), (135, 7984),

Gene: Vulpecula_13 Start: 9147, Stop: 9977, Start Num: 61

Candidate Starts for Vulpecula_13:

(Start: 61 @9147 has 156 MA's), (136, 9456), (154, 9522), (175, 9579), (192, 9651), (199, 9684), (203, 9696), (212, 9738), (213, 9768), (215, 9783), (218, 9858),

Gene: WalkingDead_12 Start: 8557, Stop: 9354, Start Num: 61

Candidate Starts for WalkingDead_12:

(Start: 61 @8557 has 156 MA's), (Start: 64 @8563 has 2 MA's), (103, 8707), (105, 8722), (138, 8881), (145, 8914), (163, 8959), (176, 9001), (208, 9133), (216, 9199),

Gene: Warda_13 Start: 9464, Stop: 10015, Start Num: 68

Candidate Starts for Warda_13:

(Start: 68 @9464 has 108 MA's), (131, 9728), (132, 9731), (135, 9743), (194, 9947),

Gene: Waterfoul_16 Start: 10551, Stop: 11162, Start Num: 46

Candidate Starts for Waterfoul_16:

(Start: 46 @10551 has 210 MA's), (69, 10596), (81, 10638), (113, 10773), (123, 10830), (127, 10845), (131, 10860), (145, 10929), (147, 10935), (163, 10974), (166, 10986), (170, 11001), (183, 11040), (187, 11058), (189, 11073), (196, 11097), (202, 11127),

Gene: Webster2_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for Webster2_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: Weirido19_13 Start: 8705, Stop: 9247, Start Num: 57

Candidate Starts for Weirido19_13:

(Start: 57 @8705 has 57 MA's), (85, 8807), (88, 8822), (102, 8855), (126, 8981), (149, 9041), (150, 9044), (154, 9056), (177, 9122), (184, 9149), (194, 9191), (196, 9197),

Gene: Wendigo_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Wendigo_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Westrich_14 Start: 8949, Stop: 9533, Start Num: 61

Candidate Starts for Westrich_14:

(Start: 61 @8949 has 156 MA's), (184, 9417), (199, 9486), (203, 9498),

Gene: WheatThin_16 Start: 9700, Stop: 10245, Start Num: 57

Candidate Starts for WheatThin_16:

(Start: 57 @9700 has 57 MA's), (Start: 64 @9721 has 2 MA's), (203, 10225),

Gene: Whitney_13 Start: 7496, Stop: 8068, Start Num: 61

Candidate Starts for Whitney_13:

(Start: 61 @7496 has 156 MA's), (69, 7517), (77, 7538), (80, 7550), (118, 7709), (126, 7751), (134, 7784), (190, 7973), (211, 8057),

Gene: Widow_11 Start: 7558, Stop: 8103, Start Num: 57

Candidate Starts for Widow_11:

(Start: 57 @7558 has 57 MA's), (121, 7813), (131, 7849), (177, 7975), (181, 7987), (182, 7990),

Gene: Wildwest_14 Start: 10387, Stop: 10935, Start Num: 68

Candidate Starts for Wildwest_14:

(66, 10381), (Start: 68 @10387 has 108 MA's), (131, 10651), (170, 10780), (190, 10855),

Gene: WileyE_12 Start: 8482, Stop: 9312, Start Num: 61

Candidate Starts for WileyE_12:

(Start: 61 @8482 has 156 MA's), (136, 8791), (154, 8857), (175, 8914), (192, 8986), (199, 9019), (212, 9073), (215, 9118), (218, 9193),

Gene: Wintermute_19 Start: 11716, Stop: 12327, Start Num: 48

Candidate Starts for Wintermute_19:

(Start: 48 @11716 has 48 MA's), (77, 11782), (79, 11788), (89, 11836), (105, 11893), (107, 11899), (111, 11920), (113, 11932), (123, 11989), (127, 12004), (145, 12088), (147, 12094), (163, 12133), (166, 12145), (170, 12160), (187, 12217), (189, 12232), (196, 12256), (202, 12286),

Gene: Wishmaker_15 Start: 9938, Stop: 10477, Start Num: 57

Candidate Starts for Wishmaker_15:

(Start: 57 @9938 has 57 MA's), (Start: 64 @9959 has 2 MA's), (65, 9962), (Start: 67 @9965 has 1 MA's), (73, 9983), (88, 10049), (103, 10085), (118, 10166), (123, 10199), (131, 10223), (150, 10271), (161, 10295), (174, 10337), (194, 10418),

Gene: Ximenita_18 Start: 9678, Stop: 10292, Start Num: 46

Candidate Starts for Ximenita_18:

(Start: 46 @9678 has 210 MA's), (69, 9723), (113, 9900), (123, 9957), (127, 9972), (131, 9987), (136, 10017), (145, 10056), (147, 10062), (166, 10113), (189, 10200), (197, 10227), (207, 10275),

Gene: Y10_19 Start: 11716, Stop: 12327, Start Num: 48

Candidate Starts for Y10_19:

(Start: 48 @11716 has 48 MA's), (77, 11782), (79, 11788), (89, 11836), (105, 11893), (107, 11899), (111, 11920), (113, 11932), (127, 12004), (145, 12088), (147, 12094), (163, 12133), (166, 12145), (170, 12160), (187, 12217), (189, 12232), (196, 12256), (202, 12286),

Gene: Y2_19 Start: 11716, Stop: 12327, Start Num: 48

Candidate Starts for Y2_19:

(Start: 48 @11716 has 48 MA's), (77, 11782), (79, 11788), (89, 11836), (105, 11893), (107, 11899), (111, 11920), (113, 11932), (127, 12004), (145, 12088), (147, 12094), (163, 12133), (166, 12145), (170, 12160), (187, 12217), (189, 12232), (196, 12256), (202, 12286),

Gene: Yang_13 Start: 9560, Stop: 10111, Start Num: 68

Candidate Starts for Yang_13:

(Start: 68 @9560 has 108 MA's), (90, 9647), (195, 10046),

Gene: YangYin_13 Start: 10149, Stop: 10772, Start Num: 46

Candidate Starts for YangYin_13:

(Start: 46 @10149 has 210 MA's), (59, 10176), (76, 10227), (89, 10284), (103, 10326), (105, 10341), (123, 10437), (127, 10452), (133, 10476), (136, 10497), (145, 10536), (153, 10560), (170, 10608), (180, 10638), (189, 10680), (196, 10704),

Gene: YasnayaPolyana_19 Start: 11717, Stop: 12328, Start Num: 48

Candidate Starts for YasnayaPolyana_19:

(Start: 48 @11717 has 48 MA's), (77, 11783), (79, 11789), (89, 11837), (105, 11894), (107, 11900), (111, 11921), (113, 11933), (123, 11990), (127, 12005), (145, 12089), (147, 12095), (163, 12134), (166, 12146), (170, 12161), (187, 12218), (189, 12233), (196, 12257), (202, 12287),

Gene: YesChef_13 Start: 9518, Stop: 10069, Start Num: 68

Candidate Starts for YesChef_13:

(Start: 68 @9518 has 108 MA's), (124, 9761), (131, 9782), (135, 9797), (194, 10001),

Gene: Yoshi_14 Start: 7678, Stop: 8271, Start Num: 62

Candidate Starts for Yoshi_14:

(Start: 62 @7678 has 15 MA's), (69, 7696), (103, 7813), (110, 7852), (122, 7918), (131, 7951), (134, 7963), (138, 7987), (163, 8059), (165, 8068), (167, 8080), (172, 8092), (180, 8116), (184, 8134),

Gene: YoureAdopted_17 Start: 10477, Stop: 11088, Start Num: 46

Candidate Starts for YoureAdopted_17:

(Start: 46 @10477 has 210 MA's), (69, 10519), (103, 10642), (113, 10696), (123, 10753), (127, 10768), (145, 10852), (147, 10858), (163, 10897), (166, 10909), (175, 10936), (187, 10981), (189, 10996), (196, 11020), (210, 11077),

Gene: Yuna_18 Start: 9613, Stop: 10227, Start Num: 48

Candidate Starts for Yuna_18:

(Start: 48 @9613 has 48 MA's), (69, 9658), (113, 9835), (123, 9892), (131, 9922), (136, 9952), (145, 9991), (147, 9997), (163, 10036), (166, 10048), (185, 10114), (196, 10159), (202, 10189), (207, 10210),

Gene: Yunkel11_18 Start: 9455, Stop: 10069, Start Num: 48

Candidate Starts for Yunkel11_18:

(Start: 48 @9455 has 48 MA's), (105, 9638), (113, 9677), (123, 9734), (131, 9764), (136, 9794), (145, 9833), (147, 9839), (163, 9878), (166, 9890), (187, 9962), (196, 10001), (202, 10031), (207, 10052),

Gene: Zabiza_18 Start: 10502, Stop: 11116, Start Num: 46

Candidate Starts for Zabiza_18:

(Start: 46 @10502 has 210 MA's), (69, 10547), (103, 10670), (113, 10724), (123, 10781), (127, 10796), (145, 10880), (147, 10886), (163, 10925), (166, 10937), (175, 10964), (187, 11009), (189, 11024), (196, 11048), (210, 11105),

Gene: Zapner_15 Start: 8203, Stop: 8796, Start Num: 62

Candidate Starts for Zapner_15:

(Start: 62 @8203 has 15 MA's), (69, 8221), (103, 8338), (110, 8377), (122, 8443), (131, 8476), (134, 8488), (138, 8512), (163, 8584), (165, 8593), (167, 8605), (172, 8617), (180, 8641), (184, 8659),

Gene: Zavala_18 Start: 10483, Stop: 11097, Start Num: 46

Candidate Starts for Zavala_18:

(Start: 46 @10483 has 210 MA's), (69, 10528), (103, 10651), (113, 10705), (123, 10762), (127, 10777), (145, 10861), (147, 10867), (163, 10906), (166, 10918), (175, 10945), (187, 10990), (189, 11005), (196, 11029), (210, 11086),

Gene: Zeta1847_11 Start: 7708, Stop: 8262, Start Num: 68

Candidate Starts for Zeta1847_11:

(Start: 68 @7708 has 108 MA's), (101, 7825), (132, 7975),

Gene: Zhuangyuan_14 Start: 9137, Stop: 9718, Start Num: 61

Candidate Starts for Zhuangyuan_14:

(Start: 61 @9137 has 156 MA's), (69, 9158), (136, 9446), (163, 9530), (175, 9569), (184, 9605), (190, 9632), (208, 9704),

Gene: Ziko_48 Start: 17840, Stop: 18397, Start Num: 62

Candidate Starts for Ziko_48:

(Start: 62 @17840 has 15 MA's), (69, 17858), (87, 17921), (136, 18146), (144, 18164), (147, 18173), (163, 18212), (166, 18224), (188, 18311),

Gene: Zixiang_13 Start: 8750, Stop: 9334, Start Num: 61

Candidate Starts for Zixiang_13:

(Start: 61 @8750 has 156 MA's), (136, 9059), (176, 9185), (184, 9218), (199, 9287), (203, 9299),

Gene: ZoMa_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for ZoMa_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),

Gene: Zodiariah_12 Start: 8235, Stop: 8777, Start Num: 57

Candidate Starts for Zodiariah_12:

(Start: 57 @8235 has 57 MA's), (118, 8469), (150, 8574), (203, 8760),

Gene: ZoeJ_14 Start: 8484, Stop: 9104, Start Num: 44

Candidate Starts for ZoeJ_14:

(Start: 44 @8484 has 8 MA's), (69, 8538), (105, 8676), (123, 8772), (127, 8787), (131, 8802), (136, 8832), (145, 8871), (147, 8877), (148, 8880), (163, 8916), (166, 8928), (170, 8943), (187, 9000), (189, 9015), (196, 9039), (209, 9090),

Gene: Zombie_13 Start: 9854, Stop: 10468, Start Num: 46

Candidate Starts for Zombie_13:

(Start: 46 @9854 has 210 MA's), (69, 9899), (76, 9923), (98, 10001), (103, 10022), (105, 10037), (123, 10133), (127, 10148), (133, 10172), (136, 10193), (145, 10232), (153, 10256), (158, 10265), (163, 10277), (180, 10334), (187, 10361), (189, 10376), (196, 10400),