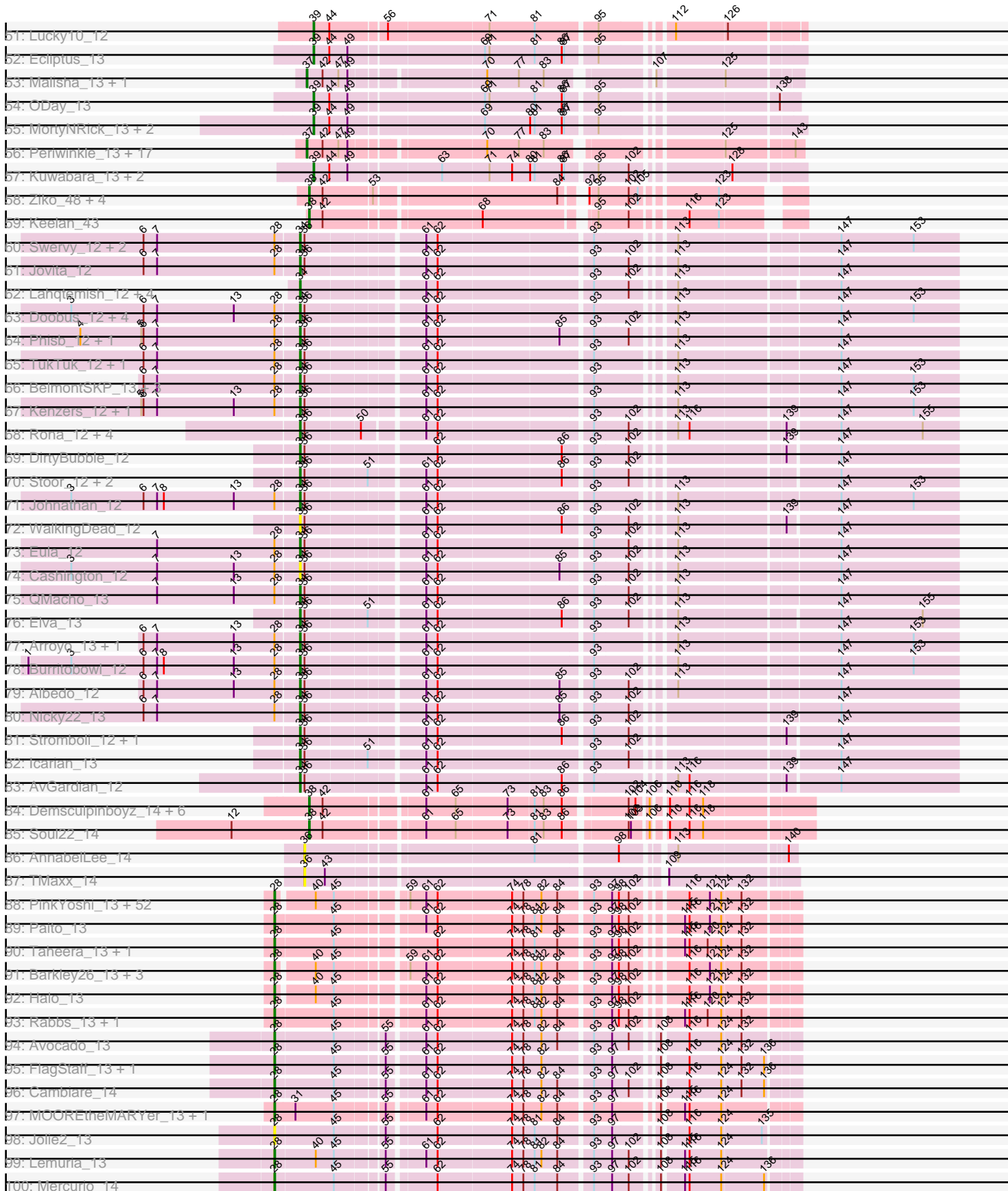
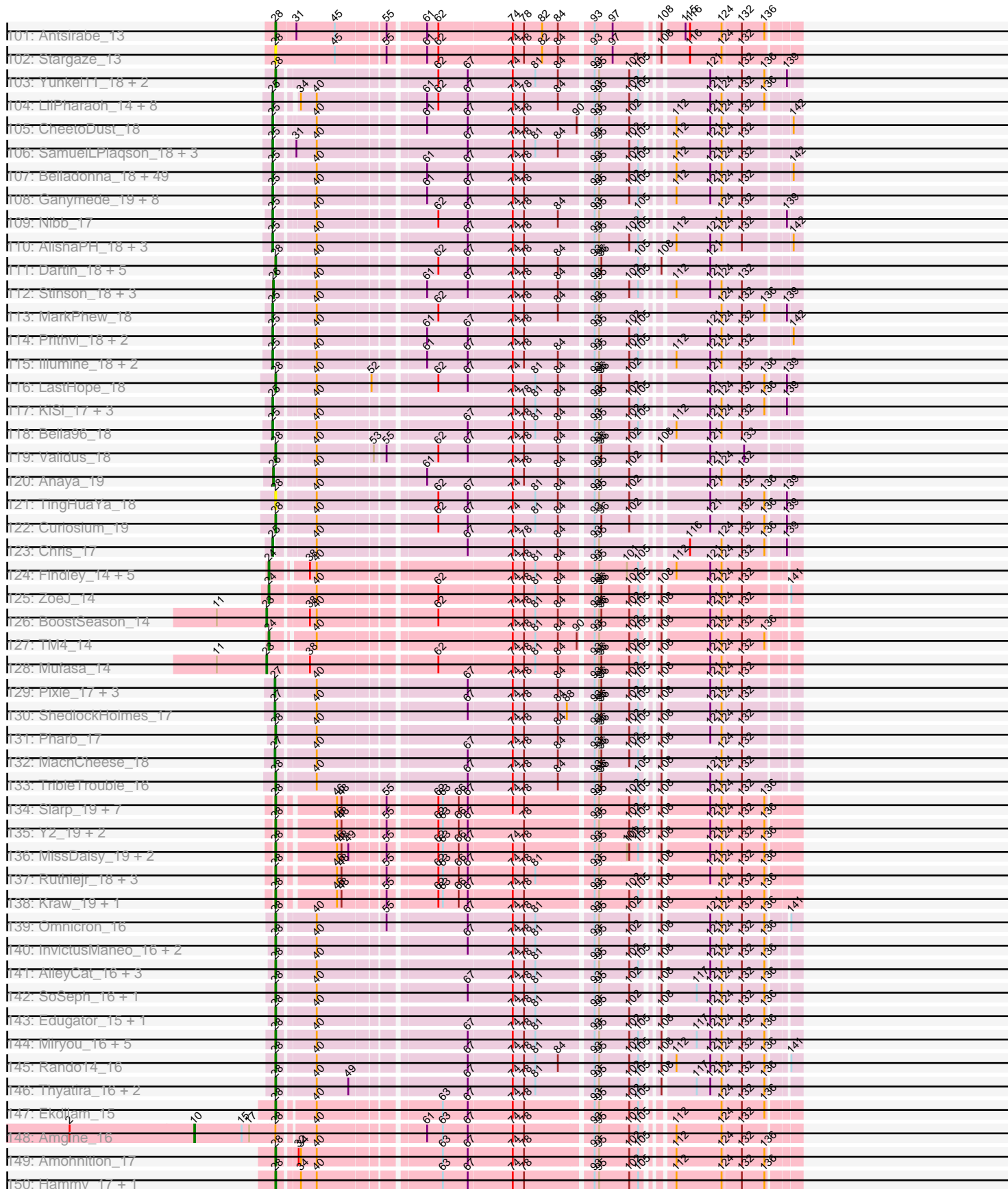


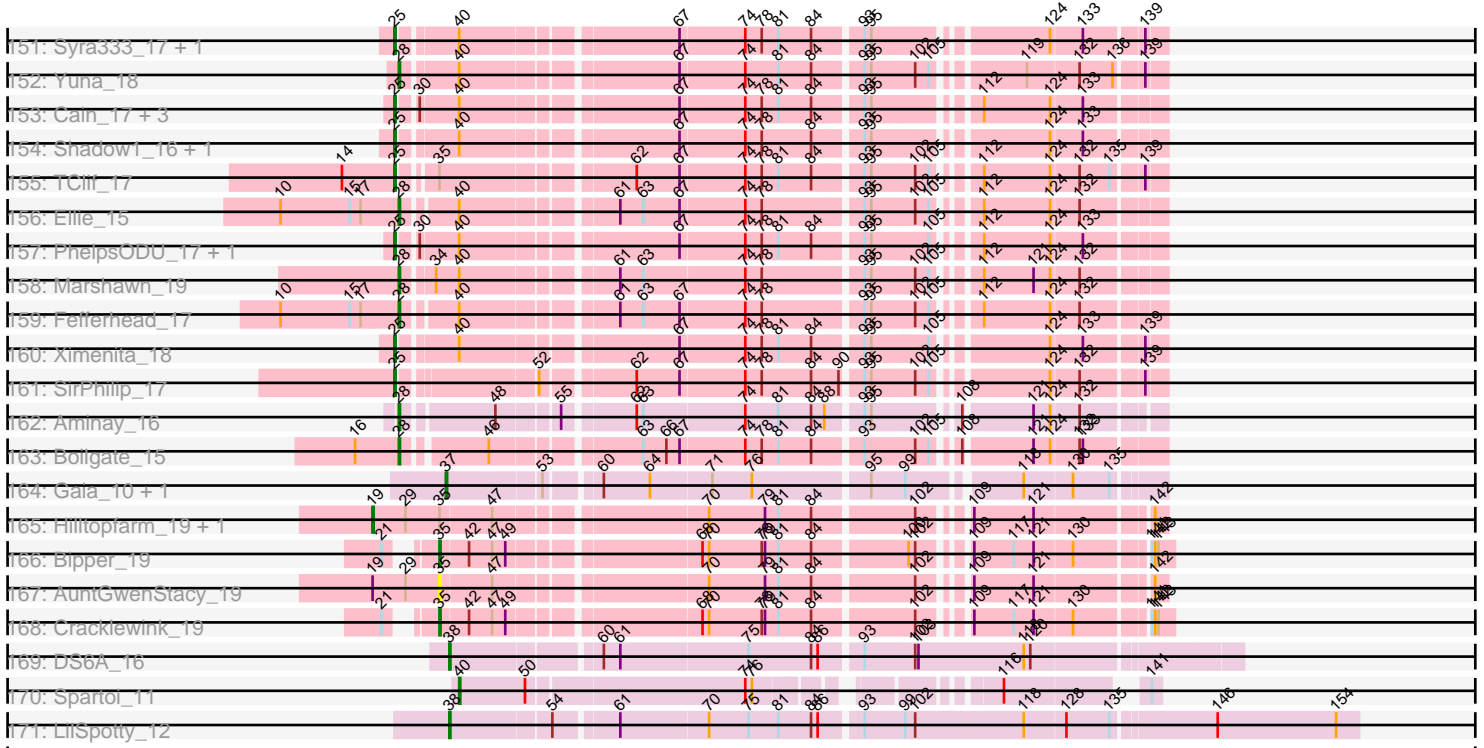
Pham 196183



Pham 196183



Pham 196183



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 196183 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196183 has 489 members, 31 are drafts.

Phages represented in each track:

- Track 1 : 8UZL_15, Maco6_13, Muddy_15
- Track 2 : NoShow_13
- Track 3 : FF47_15
- Track 4 : JacoRen57_12
- Track 5 : MalagasyRose_19
- Track 6 : Nergal_17
- Track 7 : Carpal_15, Fluke_15, MrGloopy_15, Riverdale_15, Scuttle_15, Beethoven_15
- Track 8 : Dino_15, Wawa_15, Glenn_15, Cholula_15, Kalizoi_15, Vallejo_15, MeganNoll_15, Zorro_15, RAP15_15, Jumboset_15, Rozby_15, Potatoes_15, Immaculata_15, Savage2526_15, BrotherBLo_15
- Track 9 : Greenhouse_15, Lakshmi_15, Nubia_15, Oxynfrius_15, Albanese_15
- Track 10 : Herb_11, Daiboju_11, Maria1952_11, Sergei_11, KingBob_11, Temper16_11
- Track 11 : OurGirlNessie_11, PitaDog_11, Lucy_11, Lennox_11
- Track 12 : Christian_11, Lasagna_11, CristinaYang_11, Nancia_11, LilStuart_11
- Track 13 : DreamTeam_11, Gisselle_11
- Track 14 : ChewChew_11, Bodacious_11
- Track 15 : WonderBoy_11
- Track 16 : Kittykat_11
- Track 17 : Makoto_11
- Track 18 : EstebanJulior_11, MamaPearl_11
- Track 19 : RcigaStruga_15, Huntingdon_15
- Track 20 : Aledel_11, OMalley_11, Eunoia_11, Riovina_11
- Track 21 : Pumancara_11
- Track 22 : Chridison_11
- Track 23 : Vulture_11, HunterDalle_11
- Track 24 : TattModd_15
- Track 25 : Preamble_11
- Track 26 : AppleCider_15
- Track 27 : Supakev_11
- Track 28 : Bennie_11, Huckleberry_11, HeadNerd_11, Moki_11
- Track 29 : AustinPowers_11
- Track 30 : Korra_15
- Track 31 : Wayne_15, Suppi_15, CallieOMalley_15, Canowicakte_15
- Track 32 : GreenHearts_15
- Track 33 : DrRobert_11, Pterodactyl_11

- Track 34 : Joann_15
- Track 35 : Litotes_15
- Track 36 : PartyCup_15
- Track 37 : BigMack_11
- Track 38 : Urla_11
- Track 39 : PinkFriday_11
- Track 40 : Misaeng_15
- Track 41 : Eesa_13
- Track 42 : Orcanus_13
- Track 43 : TaylorSipht_13
- Track 44 : Kuleana_13
- Track 45 : Jerole_14, Polka_13, Daob_14, Coral_13, Colusalem_13, HannahPhantana_14, Melons_14, Bedetta_14, Kepler_13, Amelia_14, Cote_14, Lunar_14
- Track 46 : LittleTokyo_13
- Track 47 : Juno112_12, PhluffyCoco_12, RedFox_12, Leona_12, Camara_12, KHumphrey_12
- Track 48 : Andrew_13
- Track 49 : Renna12_13
- Track 50 : Morkie_12, PhorbessPhlower_12
- Track 51 : Lucky10_12
- Track 52 : Ecliptus_13
- Track 53 : Malisha_13, Spooky_13
- Track 54 : ODay_13
- Track 55 : MortyNRick_13, Birdsong_13, BearBQ_13
- Track 56 : Periwinkle_13, Budski_13, Phabuloso_13, Kamaru_13, Squiddly_14, Kenna_13, CheeseTouch_13, Holliday_13, Phistory_13, Lutum_13, Horus_13, BENtherdunthat_13, LitninMcQueen_13, Getalong_13, Frickyeah_13, Whitney_13, Leroy_13, Asapag_13
- Track 57 : Kuwabara_13, Apricot_13, Crater_13
- Track 58 : Ziko_48, Volt_47, Fryberger_45, Ronaldo_48, Guey18_50
- Track 59 : Keelan_43
- Track 60 : Swervy_12, Slay_12, SarBear_12
- Track 61 : Jovita_12
- Track 62 : Lahqtemish_12, Didgeridoo_13, IndyLu_12, BabyDaisy_13, Kate33_12
- Track 63 : Doobus_12, LimaBean_12, Albright_12, Abigail_12, Avocadoman_12
- Track 64 : Phisb_12, BubbaBear_12
- Track 65 : TukTuk_12, Finalfrontier_13
- Track 66 : BelmontSKP_13, CroZenni_12, AnnaLie_13, DickRichards_12
- Track 67 : Kenzers_12, Lynlen_12
- Track 68 : Rona_12, Sharkboy_12, Kieran_12, ChiliPepper_12, Dismas_12
- Track 69 : DirtyBubble_12
- Track 70 : Stoor_12, SanaSana_13, Loviatar_20
- Track 71 : Johnathan_12
- Track 72 : WalkingDead_12
- Track 73 : Eula_12
- Track 74 : Cashington_12
- Track 75 : QMacho_13
- Track 76 : Elva_13
- Track 77 : Arroyo_13, SansAfet_12
- Track 78 : Burritobowl_12
- Track 79 : Albedo_12
- Track 80 : Nicky22_13

- Track 81 : Stromboli_12, BabyYoda_12
- Track 82 : Icarian_13
- Track 83 : AvGardian_12
- Track 84 : Demsculpinboyz_14, Avani_14, Che9d_14, Blarby_15, Zapner_15, Jabbawokkie_15, Yoshi_14
- Track 85 : Soul22_14
- Track 86 : AnnabelLee_14
- Track 87 : TMaxx_14
- Track 88 : PinkYoshi_13, Jolene_13, CassieYates_13, Angel_13, TomBrady_13, ECartman_13, OctaviousRex_13, Gomashi_13, Periodt_13, Avrafan_13, Schiebel_13, Hope_13, Hotshotbaby7_13, Marmie_13, Cedasite_13, Renaissance_13, Gideon_13, AzulaCat_13, BPs_13, ZoMa_13, LouisV14_13, BQuat_13, Coleslaw_13, DMoney_13, DNAllI_0013, JorRay_13, Maliketh_13, Plagueis_13, Aroostook_13, Mowgli_13, Kareem_13, Chance64_13, BruceB_13, Crespo_13, Darionha_13, Frosty24_13, CLED96_13, Remy19_13, Sweets_13, Kasen3_13, Olga_13, Zombie_13, Camri_13, Cherrybomb426_13, Annihilator_13, Phreak_13, ShaboiShabazz_13, Jane_13, Wendigo_13, GoldenAsh_13, Jonghyun_13, Phish_13, Sizemore_13
- Track 89 : Paito_13
- Track 90 : Taheera_13, Terror_13
- Track 91 : Barkley26_13, Peeb_13, Liefie_13, Grizzly_13
- Track 92 : Halo_13
- Track 93 : Rabbs_13, Sneeze_13
- Track 94 : Avocado_13
- Track 95 : FlagStaff_13, Pace1224_13
- Track 96 : Cambiare_14
- Track 97 : MOOREtheMARYer_13, Pinnie_14
- Track 98 : Jolie2_13
- Track 99 : Lemuria_13
- Track 100 : Mercurio_14
- Track 101 : Antsirabe_13
- Track 102 : Stargaze_13
- Track 103 : Yunkel11_18, Efra2_18, Guanica15_18
- Track 104 : LilPharaoh_14, Nutello_14, Mdavu_14, SgtBeansprout_14, Amelie_14, Binglebops_14, Torres_14, Nikao_14, Enkosi_14
- Track 105 : CheetoDust_18
- Track 106 : SamuelLPlaqson_18, Urkel_18, TiniBug_18, DrHayes_18
- Track 107 : Belladonna_18, Angelica_18, CrimD_18, Rosmarinus_18, Peel_18, CREW_18, Inky_18, BaghaKamala_18, Zavala_18, Capricorn_18, Lunahalos_18, Adephegia_18, Deby_18, Durfee_18, Mynx_18, YoureAdopted_17, Rapunzel97_18, Ramen_18, Jarvi_18, BGlluviae_18, Piatt_18, Megsy_18, Boiiii_18, Hyperbowlee_18, Zabiza_18, Twitch_18, Slimphazie_18, Spock_18, Llorens_18, Jayhawk_18, BarrelRoll_18, CaseJules_18, Asayake_18, Padfoot_18, Apocalypse_18, Topper_18, ActinUp_18, Joy99_18, JAWS_18, Blizzard_18, BEEST_18, HedwigODU_18, Homura_18, TaiwanKao_19, MeaningOfLife_18, ShiaSurprise_18, Sulley_18, TruffulaTree_18, Dalmuri_18, Jeckyll_18
- Track 108 : Ganymede_19, Atiba_18, Tachez_18, Beezoo_18, Geraldini_18, Pokerus_17, QuincyRose_17, Tiri_18, Adonis_18
- Track 109 : Nibb_17
- Track 110 : AlishaPH_18, Emerson_18, Padpat_18, Veliki_18
- Track 111 : Dartin_18, Peanam_18, Shaobing_18, Niklas_18, McMater_18, Richo_18
- Track 112 : Stinson_18, LaterM_18, Ageofdapage_18, Murucutumbu_18

- Track 113 : MarkPhew_18
- Track 114 : Prithvi_18, TreyKay_18, LindNT_18
- Track 115 : Illumine_18, Devera_18, Dole_18
- Track 116 : LastHope_18
- Track 117 : KiSi_17, Oscar_17, LeMond_17, Scarlett_17
- Track 118 : Bella96_18
- Track 119 : Validus_18
- Track 120 : Anaya_19
- Track 121 : TingHuaYa_18
- Track 122 : Curiosium_19
- Track 123 : Chris_17
- Track 124 : Findley_14, Milly_14, DismalFunk_14, Strobilo_14, DismalStressor_14, Marcoliusprime_14
- Track 125 : ZoeJ_14
- Track 126 : BoostSeason_14
- Track 127 : TM4_14
- Track 128 : Mufasa_14
- Track 129 : Pixie_17, Keshu_17, TBond007_17, Hurricane_17
- Track 130 : ShedlockHolmes_17
- Track 131 : Pharb_17
- Track 132 : MacnCheese_18
- Track 133 : TribbleTrouble_16
- Track 134 : Slarp_19, Fionnbharth_19, OmniCritical_19, Wintermute_19, Mitti_19, Cheetobro_19, Chancellor_19, SamScheppers_17
- Track 135 : Y2_19, Y10_19, JF1_19
- Track 136 : MissDaisy_19, Reptar3000_19, Patt_19
- Track 137 : Ruthiejr_18, Juliette_19, Taquito_17, Eponine_19
- Track 138 : Kraw_19, Malthus_19
- Track 139 : Omnicron_16
- Track 140 : InvictusManeo_16, Agent47_16, Collard_16
- Track 141 : AlleyCat_16, Psycho_16, Dadosky_16, Larva_16
- Track 142 : SoSeph_16, Heftyboy_16
- Track 143 : Edugator_15, Kratio_15
- Track 144 : Miryou_16, Guillsminger_16, Leston_16, Paola_16, OkiRoe_16, Gengar_16
- Track 145 : Rando14_16
- Track 146 : Thyatira_16, Feyre_16, Waterfoul_16
- Track 147 : Ekdilam_15
- Track 148 : Amgine_16
- Track 149 : Amohnition_17
- Track 150 : Hammy_17, DarthP_17
- Track 151 : Syra333_17, Krueger_17
- Track 152 : Yuna_18
- Track 153 : Cain_17, Tierra_17, Phrank_17, Bryler_17
- Track 154 : Shadow1_16, Sunflower1121_16
- Track 155 : TClif_17
- Track 156 : Ellie_15
- Track 157 : PhelpsODU_17, Unicorn_17
- Track 158 : Marshawn_19
- Track 159 : Fefferhead_17
- Track 160 : Ximenita_18
- Track 161 : SirPhilip_17
- Track 162 : Aminay_16

- Track 163 : Boilgate_15
- Track 164 : Gaia_10, Nebkiss_10
- Track 165 : Hilltopfarm_19, Typha_19
- Track 166 : Bipper_19
- Track 167 : AuntGwenStacy_19
- Track 168 : Cracklewink_19
- Track 169 : DS6A_16
- Track 170 : Spartoi_11
- Track 171 : LilSpotty_12

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

The start number called the most often in the published annotations is 34, it was called in 138 of the 458 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abigail_12, Albedo_12, Albright_12, Aledel_11, Amelia_14, Andrew_13, AnnaLie_13, AppleCider_15, Arroyo_13, AustinPowers_11, AvGardian_12, Avocadoman_12, BabyDaisy_13, BabyYoda_12, Bedetta_14, Beethoven_15, BelmontSKP_13, Bennie_11, BigMack_11, Bodacious_11, BrotherBLo_15, BubbaBear_12, Burritobowl_12, CallieOMalley_15, Camara_12, Canowicakte_15, Carpal_15, Cashington_12, ChewChew_11, ChiliPepper_12, Cholula_15, Chridison_11, Christian_11, Colusalem_13, Coral_13, Cote_14, CristinaYang_11, CroZenni_12, Daiboju_11, Daob_14, DickRichards_12, Didgeridoo_13, Dino_15, DirtyBubble_12, Dismas_12, Doobus_12, DrRobert_11, DreamTeam_11, Eesa_13, Elva_13, EstebanJulior_11, Eula_12, Eunoia_11, Finalfrontier_13, Fluke_15, Gisselle_11, Glenn_15, GreenHearts_15, HannahPhantana_14, HeadNerd_11, Herb_11, Huckleberry_11, HunterDalle_11, Icarian_13, Immaculata_15, IndyLu_12, Jerole_14, Johnathan_12, Jovita_12, Jumboset_15, Juno112_12, KHumphrey_12, Kalizoi_15, Kate33_12, Kenzers_12, Kepler_13, Kieran_12, KingBob_11, Kittykat_11, Korra_15, Kuleana_13, Lahqtemish_12, Lasagna_11, Lennox_11, Leona_12, LilStuart_11, LimaBean_12, Litotes_15, LittleTokyo_13, Loviatar_20, Lucy_11, Lunar_14, Lynlen_12, Makoto_11, MamaPearl_11, Maria1952_11, MeganNoll_15, Melons_14, Moki_11, MrGloopy_15, Nancia_11, Nicky22_13, OMalley_11, Orcanus_13, OurGirlNessie_11, PartyCup_15, Phisb_12, PhluffyCoco_12, PinkFriday_11, PitaDog_11, Polka_13, Potatoes_15, Preamble_11, Pterodactyl_11, Pumancara_11, QMacho_13, RAP15_15, RedFox_12, Renna12_13, Riovina_11, Riverdale_15, Rona_12, Rozby_15, SanaSana_13, SansAfet_12, SarBear_12, Savage2526_15, Scuttle_15, Sergei_11, Sharkboy_12, Slay_12, Stoor_12, Stromboli_12, Supakev_11, Suppi_15, Swervy_12, TattModd_15, TaylorSipht_13, Temper16_11, TukTuk_12, Urla_11, Vallejo_15, Vulture_11, WalkingDead_12, Wawa_15, Wayne_15, WonderBoy_11, Zorro_15,

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

- Amelie_14, Amohnition_17, Biglebops_14, DarthP_17, Enkosi_14, Hammy_17, LilPharaoh_14, Marshawn_19, Mdavu_14, Nikao_14, Nutello_14, SgtBeansprout_14, Torres_14,

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

• 8UZL_15, ActinUp_18, Adephagia_18, Adonis_18, Agent47_16, Ageofdapage_18, Albanese_15, AlishaPH_18, AlleyCat_16, Amgine_16, Aminay_16, Anaya_19, Angel_13, Angelica_18, AnnabelLee_14, Annihilator_13, Antsirabe_13, Apocalypse_18, Apricot_13, Aroostook_13, Asapag_13, Asayake_18, Atiba_18, AuntGwenStacy_19, Avani_14, Avocado_13, Avrafan_13, AzulaCat_13, BEEST_18, BENTherdunthat_13, BGlluviae_18, BPs_13, BQuat_13, BaghaKamala_18, Barkley26_13, BarrelRoll_18, BearBQ_13, Beezoo_18, Bella96_18, Belladonna_18, Bipper_19, Birdsong_13, Blarby_15, Blizzard_18, Boiiii_18, Boilgate_15, BoostSeason_14, BruceB_13, Bryler_17, Budski_13, CLED96_13, CREW_18, Cain_17, Cambiare_14, Camri_13, Capricorn_18, CaseJules_18, CassieYates_13, Cedasite_13, Chance64_13, Chancellor_19, Che9d_14, CheeseTouch_13, CheetoDust_18, Cheetobro_19, Cherrybomb426_13, Chris_17, Coleslaw_13, Collard_16, Cracklewink_19, Crater_13, Crespo_13, CrimD_18, Curiosium_19, DMoney_13, DNAIII_0013, DS6A_16, Dadosky_16, Dalmuri_18, Darionha_13, Dartin_18, Deby_18, Demsculpinboyz_14, Devera_18, DismalFunk_14, DismalStressor_14, Dole_18, DrHayes_18, Durfee_18, ECartman_13, Ecliptus_13, Edugator_15, Efra2_18, Ekdilam_15, Ellie_15, Emerson_18, Eponine_19, FF47_15, Fefferhead_17, Feyre_16, Findley_14, Fionnbharth_19, FlagStaff_13, Frickyeah_13, Frosty24_13, Fryberger_45, Gaia_10, Ganymede_19, Gengar_16, Geraldini_18, Getalong_13, Gideon_13, GoldenAsh_13, Gomashi_13, Greenhouse_15, Grizzly_13, Guanica15_18, Guey18_50, Guillsminger_16, Halo_13, HedwigODU_18, Heftyboy_16, Hilltopfarm_19, Holliday_13, Homura_18, Hope_13, Horus_13, Hotshotbaby7_13, Huntingdon_15, Hurricane_17, Hyperbowlee_18, Illumine_18, Inky_18, InvictusManeo_16, JAWS_18, JF1_19, Jabbawokkie_15, JacoRen57_12, Jane_13, Jarvi_18, Jayhawk_18, Jeckyll_18, Joann_15, Jolene_13, Jolie2_13, Jonghyun_13, JorRay_13, Joy99_18, Juliette_19, Kamaru_13, Kareem_13, Kasen3_13, Keelan_43, Kenna_13, Keshu_17, KiSi_17, Kratio_15, Kraw_19, Krueger_17, Kuwabara_13, Lakshmi_15, Larva_16, LastHope_18, LaterM_18, LeMond_17, Lemuria_13, Leroy_13, Leston_16, Liefie_13, LilSpotty_12, LindNT_18, LitninMcQueen_13, Llorens_18, LouisV14_13, Lucky10_12, Lunahalos_18, Lutum_13, MOOREtheMARYer_13, MacnCheese_18, Maco6_13, MalagasyRose_19, Maliketh_13, Malisha_13, Malthus_19, Marcoliusprime_14, MarkPhew_18, Marmie_13, McMater_18, MeaningOfLife_18, Megsy_18, Mercurio_14, Milly_14, Miryou_16, Misaeng_15, MissDaisy_19, Mitti_19, Morkie_12, MortyNRick_13, Mowgli_13, Muddy_15, Mufasa_14, Murucutumbu_18, Mynx_18, Nebkiss_10, Nergal_17, Nibb_17, Niklas_18, NoShow_13, Nubia_15, ODay_13, OctaviousRex_13, OkRoe_16, Olga_13, OmniCritical_19, Omnicron_16, Oscar_17, Oxynfrius_15, Pace1224_13, Padfoot_18, Padpat_18, Paito_13, Paola_16, Patt_19, Peanam_18, Peeb_13, Peel_18, Periodt_13, Periwinkle_13, Phabuloso_13, Pharb_17, PhelpsODU_17, Phish_13, Phistory_13, PhorbesPhlower_12, Phrank_17, Phreak_13, Piatt_18, PinkYoshi_13, Pinnie_14, Pixie_17, Plagueis_13, Pokerus_17, Prithvi_18, Psycho_16, QuincyRose_17, Rabbs_13, Ramen_18, Rando14_16, Rapunzel97_18, RcigaStruga_15, Remy19_13, Renaissance_13, Reptar3000_19, Richo_18, Ronaldo_48, Rosmarinus_18, Ruthiejr_18, SamScheppers_17, SamuelLPlaqson_18, Scarlett_17, Schiebel_13, ShaboiShabazz_13, Shadow1_16, Shaobing_18, ShedlockHolmes_17, ShiaSurprise_18, SirPhilip_17, Sizemore_13, Slarp_19, Slimphazie_18, Sneeze_13, SoSeph_16, Soul22_14, Spartoi_11, Spock_18, Spooky_13, Squiddly_14, Stargaze_13, Stinson_18, Strobilo_14, Sulley_18, Sunflower1121_16, Sweets_13, Syra333_17, TBond007_17, TClif_17, TM4_14, TMaxx_14, Tachez_18, Taheera_13, TaiwanKao_19, Taquito_17, Terror_13, Thyatira_16, Tierra_17, TingHuaYa_18, TiniBug_18, Tiri_18, TomBrady_13, Topper_18, TreyKay_18, TribbleTrouble_16, TruffulaTree_18, Twitch_18, Typha_19, Unicorn_17, Urkel_18, Validus_18, Veliki_18, Volt_47,

Waterfoul_16, Wendigo_13, Whitney_13, Wintermute_19, Ximenita_18, Y10_19, Y2_19, Yoshi_14, YoureAdopted_17, Yuna_18, Yunkel11_18, Zabiza_18, Zapner_15, Zavala_18, Ziko_48, ZoMa_13, ZoeJ_14, Zombie_13,

Summary by start number:

Start 10:

- Found in 3 of 489 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 458
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Amgine_16 (K6),

Start 19:

- Found in 4 of 489 (0.8%) of genes in pham
- Manual Annotations of this start: 2 of 458
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Hilltopfarm_19 (Y), Typha_19 (Y),

Start 23:

- Found in 2 of 489 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 458
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BoostSeason_14 (K2), Mufasa_14 (K2),

Start 24:

- Found in 8 of 489 (1.6%) of genes in pham
- Manual Annotations of this start: 8 of 458
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DismalFunk_14 (K2), DismalStressor_14 (K2), Findley_14 (K2), Marcoliusprime_14 (K2), Milly_14 (K2), Strobilo_14 (K2), TM4_14 (K2), ZoeJ_14 (K2),

Start 25:

- Found in 104 of 489 (21.3%) of genes in pham
- Manual Annotations of this start: 102 of 458
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ActinUp_18 (K1), Adephegia_18 (K1), Adonis_18 (K1), AlishaPH_18 (K1), Amelie_14 (K1), Angelica_18 (K1), Apocalypse_18 (K1), Asayake_18 (K1), Atiba_18 (K1), BEEST_18 (K1), BGIluviae_18 (K1), BaghaKamala_18 (K1), BarrelRoll_18 (K1), Beezoo_18 (K1), Bella96_18 (K1), Belladonna_18 (K1), Binglebops_14 (K1), Blizzard_18 (K1), Boiiii_18 (K1), Bryler_17 (K6), CREW_18 (K1), Cain_17 (K6), Capricorn_18 (K1), CaseJules_18 (K1), CheetoDust_18 (K1), Chris_17 (K1), CrimD_18 (K1), Dalmuri_18 (K1), Deby_18 (K1), Devera_18 (K1), Dole_18 (K1), DrHayes_18 (K1), Durfee_18 (K1), Emerson_18 (K1), Enkosi_14 (K1), Ganymede_19 (K1), Geraldini_18 (K1), HedwigODU_18 (K1), Homura_18 (K1), Hyperbowlee_18 (K1), Illumine_18 (K1), Inky_18 (K1), JAWS_18 (K1), Jarvi_18 (K1), Jayhawk_18 (K1), Jeckyll_18 (K1), Joy99_18 (K1), KiSi_17 (K1), Krueger_17 (K6), LeMond_17 (K1), LilPharaoh_14 (K1), LindNT_18 (K1), Llorens_18 (K1), Lunahalos_18 (K1), MarkPhew_18 (K1), Mdavu_14 (K1), MeaningOfLife_18 (K1), Megsy_18 (K1), Mynx_18 (K1), Nibb_17 (K1), Nikao_14 (K1), Nutello_14 (K1), Oscar_17 (K1), Padfoot_18 (K1), Padpat_18 (K1), Peel_18 (K1), PhelpsODU_17 (K6), Phrank_17 (K6), Piatt_18 (K1), Pokerus_17 (K1), Prithvi_18 (K1), QuincyRose_17 (K1), Ramen_18 (K1), Rapunzel97_18 (K1),

Rosmarinus_18 (K1), SamuelLPlaçon_18 (K1), Scarlett_17 (K1), SgtBeansprout_14 (K1), Shadow1_16 (K6), ShiaSurprise_18 (K1), SirPhilip_17 (K6), Slimphazie_18 (K1), Spock_18 (K1), Sulley_18 (K1), Sunflower1121_16 (K6), Syra333_17 (K6), TClif_17 (K6), Tachez_18 (K1), TaiwanKao_19 (K1), Tierra_17 (K6), TiniBug_18 (K1), Tiri_18 (K1), Topper_18 (K1), Torres_14 (K1), TreyKay_18 (K1), TruffulaTree_18 (K1), Twitch_18 (K1), Unicorn_17 (K6), Urkel_18 (K1), Veliki_18 (K1), Ximenita_18 (K6), YoureAdopted_17 (K1), Zabiza_18 (K1), Zavala_18 (K1),

Start 26:

- Found in 5 of 489 (1.0%) of genes in pham
- Manual Annotations of this start: 5 of 458
- 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 27:

- Found in 6 of 489 (1.2%) of genes in pham
- Manual Annotations of this start: 6 of 458
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hurricane_17 (K3), Keshu_17 (K3), MacnCheese_18 (K3), Pixie_17 (K3), ShedlockHolmes_17 (K3), TBond007_17 (K3),

Start 28:

- Found in 176 of 489 (36.0%) of genes in pham
- Manual Annotations of this start: 134 of 458
- Called 83.5% of time when present
- Phage (with cluster) where this start called: 8UZL_15 (AB), Agent47_16 (K5), AlleyCat_16 (K5), Aminay_16 (K7), Amohntion_17 (K6), Angel_13 (G1), Annihilator_13 (G1), Antsirabe_13 (G5), Aroostook_13 (G1), Avocado_13 (G2), Avrafan_13 (G1), AzulaCat_13 (G1), BPs_13 (G1), BQuat_13 (G1), Barkley26_13 (G1), Boilgate_15 (K8), BruceB_13 (G1), CLED96_13 (G1), Cambiare_14 (G2), Camri_13 (G1), CassieYates_13 (G1), Cedasite_13 (G1), Chance64_13 (G1), Chancellor_19 (K4), Cheetobro_19 (K4), Cherrybomb426_13 (G1), Coleslaw_13 (G1), Collard_16 (K5), Crespo_13 (G1), Curiosium_19 (K1), DMoney_13 (G1), DNAIII_0013 (G1), Dadosky_16 (K5), Darionha_13 (G1), DarthP_17 (K6), Dartin_18 (K1), ECartman_13 (G1), Edugator_15 (K5), Efra2_18 (K1), Ekdilam_15 (K6), Ellie_15 (K6), Eponine_19 (K4), FF47_15 (AB), Fefferhead_17 (K6), Feyre_16 (K5), Fionnbharth_19 (K4), FlagStaff_13 (G2), Frosty24_13 (G1), Gengar_16 (K5), Gideon_13 (G1), GoldenAsh_13 (G1), Gomashi_13 (G1), Grizzly_13 (G1), Guanica15_18 (K1), Guillsminger_16 (K5), Halo_13 (G1), Hammy_17 (K6), Heftyboy_16 (K5), Hope_13 (G1), Hotshotbaby7_13 (G1), InvictusManeo_16 (K5), JF1_19 (K4), JacoRen57_12 (AB), Jane_13 (G1), Jolene_13 (G1), Jolie2_13 (G4), Jonghyun_13 (G1), JorRay_13 (G1), Juliette_19 (K4), Kareem_13 (G1), Kasen3_13 (G1), Kratio_15 (K5), Kraw_19 (K4), Larva_16 (K5), LastHope_18 (K1), Lemuria_13 (G4), Leston_16 (K5), Liefie_13 (G1), LouisV14_13 (G1), MOOREtheMARYer_13 (G3), Maco6_13 (AB), Maliketh_13 (G1), Malthus_19 (K4), Marmie_13 (G1), Marshawn_19 (K6), McMater_18 (K1), Mercurio_14 (G4), Miryou_16 (K5), MissDaisy_19 (K4), Mitti_19 (K4), Mowgli_13 (G1), Muddy_15 (AB), Niklas_18 (K1), NoShow_13 (AB), OctaviousRex_13 (G1), OkiRoe_16 (K5), Olga_13 (G1), OmniCritical_19 (K4), Omnicron_16 (K5), Pace1224_13 (G2), Paito_13 (G1), Paola_16 (K5), Patt_19 (K4), Peanam_18 (K1), Peeb_13 (G1), Periodt_13 (G1), Pharb_17 (K3), Phish_13 (G1), Phreak_13 (G1), PinkYoshi_13 (G1), Pinnie_14 (G3), Plagueis_13 (G1), Psycho_16 (K5), Rabbs_13 (G1), Rando14_16 (K5), Remy19_13

(G1), Renaissance_13 (G1), Reptar3000_19 (K4), Richo_18 (K1), Ruthiejr_18 (K4), SamScheppers_17 (K4), Schiebel_13 (G1), ShaboiShabazz_13 (G1), Shaobing_18 (K1), Sizemore_13 (G1), Slarp_19 (K4), Sneeze_13 (G1), SoSeph_16 (K5), Stargaze_13 (G5), Sweets_13 (G1), Taheera_13 (G1), Taquito_17 (K4), Terror_13 (G1), Thyatira_16 (K5), TingHuaYa_18 (K1), TomBrady_13 (G1), TribelTrouble_16 (K3), Validus_18 (K1), Waterfoul_16 (K5), Wendigo_13 (G1), Wintermute_19 (K4), Y10_19 (K4), Y2_19 (K4), Yuna_18 (K6), Yunkel11_18 (K1), ZoMa_13 (G1), Zombie_13 (G1),

Start 32:

- Found in 3 of 489 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 458
- Called 66.7% of time when present
- Phage (with cluster) where this start called: MalagasyRose_19 (AG), Nergal_17 (AG),

Start 33:

- Found in 9 of 489 (1.8%) of genes in pham
- Manual Annotations of this start: 9 of 458
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Albanese_15 (AK), Greenhouse_15 (AK), Huntingdon_15 (AK), Joann_15 (AK), Lakshmi_15 (AK), Misaeng_15 (AK), Nubia_15 (AK), Oxynfrius_15 (AK), RcigaStruga_15 (AK),

Start 34:

- Found in 161 of 489 (32.9%) of genes in pham
- Manual Annotations of this start: 138 of 458
- Called 91.9% of time when present
- Phage (with cluster) where this start called: Abigail_12 (EB), Albedo_12 (EB), Albright_12 (EB), Aledel_11 (AK), Amelia_14 (AS2), Andrew_13 (AS3), AnnaLie_13 (EB), AppleCider_15 (AK), Arroyo_13 (EB), AustinPowers_11 (AK), AvGardian_12 (EB), Avocadoman_12 (EB), BabyDaisy_13 (EB), BabyYoda_12 (EB), Bedetta_14 (AS2), Beethoven_15 (AK), BelmontSKP_13 (EB), Bennie_11 (AK), BigMack_11 (AK), Bodacious_11 (AK), BrotherBLo_15 (AK), BubbaBear_12 (EB), Burritobowl_12 (EB), CallieOMalley_15 (AK), Camara_12 (AS3), Canowicakte_15 (AK), Carpal_15 (AK), Cashington_12 (EB), ChewChew_11 (AK), ChiliPepper_12 (EB), Cholula_15 (AK), Chridison_11 (AK), Christian_11 (AK), Colusalem_13 (AS2), Coral_13 (AS2), Cote_14 (AS2), CristinaYang_11 (AK), CroZenni_12 (EB), Daiboju_11 (AK), Daob_14 (AS2), DickRichards_12 (EB), Didgeridoo_13 (EB), Dino_15 (AK), DirtyBubble_12 (EB), Dismas_12 (EB), Doobus_12 (EB), DrRobert_11 (AK), DreamTeam_11 (AK), Eesa_13 (AS1), Elva_13 (EB), EstebanJulior_11 (AK), Eula_12 (EB), Eunoia_11 (AK), Finalfrontier_13 (EB), Fluke_15 (AK), Gisselle_11 (AK), Glenn_15 (AK), GreenHearts_15 (AK), HannahPhantana_14 (AS2), HeadNerd_11 (AK), Herb_11 (AK), Huckleberry_11 (AK), HunterDalle_11 (AK), Icarian_13 (EB), Immaculata_15 (AK), IndyLu_12 (EB), Jerole_14 (AS2), Johnathan_12 (EB), Jovita_12 (EB), Jumboset_15 (AK), Juno112_12 (AS3), KHumphrey_12 (AS3), Kalizoi_15 (AK), Kate33_12 (EB), Kenzers_12 (EB), Kepler_13 (AS2), Kieran_12 (EB), KingBob_11 (AK), Kittykat_11 (AK), Korra_15 (AK), Kuleana_13 (AS2), Lahqtemish_12 (EB), Lasagna_11 (AK), Lennox_11 (AK), Leona_12 (AS3), LilStuart_11 (AK), LimaBean_12 (EB), Litotes_15 (AK), LittleTokyo_13 (AS2), Loviatar_20 (EB), Lucy_11 (AK), Lunar_14 (AS2), Lynlen_12 (EB), Makoto_11 (AK), MamaPearl_11 (AK), Maria1952_11 (AK), MeganNoll_15 (AK), Melons_14 (AS2), Moki_11 (AK), MrGloopy_15 (AK), Nancia_11 (AK), Nicky22_13 (EB), OMalley_11 (AK),

Orcanus_13 (AS1), OurGirlNessie_11 (AK), PartyCup_15 (AK), Phisb_12 (EB), PhluffyCoco_12 (AS3), PinkFriday_11 (AK), PitaDog_11 (AK), Polka_13 (AS2), Potatoes_15 (AK), Preamble_11 (AK), Pterodactyl_11 (AK), Pumancara_11 (AK), QMacho_13 (EB), RAP15_15 (AK), RedFox_12 (AS3), Renna12_13 (AS3), Riovina_11 (AK), Riverdale_15 (AK), Rona_12 (EB), Rozby_15 (AK), SanaSana_13 (EB), SansAfet_12 (EB), SarBear_12 (EB), Savage2526_15 (AK), Scuttle_15 (AK), Sergei_11 (AK), Sharkboy_12 (EB), Slay_12 (EB), Stoor_12 (EB), Stromboli_12 (EB), Supakev_11 (AK), Suppi_15 (AK), Swervy_12 (EB), TattModd_15 (AK), TaylorSipt_13 (AS1), Temper16_11 (AK), TukTuk_12 (EB), Urla_11 (AK), Vallejo_15 (AK), Vulture_11 (AK), WalkingDead_12 (EB), Wawa_15 (AK), Wayne_15 (AK), WonderBoy_11 (AK), Zorro_15 (AK),

Start 35:

- Found in 6 of 489 (1.2%) of genes in pham
- Manual Annotations of this start: 2 of 458
- Called 50.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_19 (Y), Bipper_19 (Y), Cracklewink_19 (Y),

Start 36:

- Found in 45 of 489 (9.2%) of genes in pham
- No Manual Annotations of this start.
- Called 4.4% of time when present
- Phage (with cluster) where this start called: AnnabelLee_14 (FR), TMaxx_14 (FR),

Start 37:

- Found in 22 of 489 (4.5%) of genes in pham
- Manual Annotations of this start: 21 of 458
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Asapag_13 (DN1), BENtherdunthat_13 (DN1), Budski_13 (DN), CheeseTouch_13 (DN1), Frickyeah_13 (DN1), Gaia_10 (X), Getalong_13 (DN1), Holliday_13 (DN1), Horus_13 (DN1), Kamaru_13 (DN1), Kenna_13 (DN1), Leroy_13 (DN1), LitninMcQueen_13 (DN1), Lutum_13 (DN1), Malisha_13 (DN), Nebkiss_10 (X), Periwinkle_13 (DN1), Phabuloso_13 (DN1), Phistory_13 (DN1), Spooky_13 (DN2), Squiddly_14 (DN2), Whitney_13 (DN1),

Start 38:

- Found in 30 of 489 (6.1%) of genes in pham
- Manual Annotations of this start: 15 of 458
- Called 53.3% of time when present
- Phage (with cluster) where this start called: Avani_14 (F2), Blarby_15 (F), Che9d_14 (F2), DS6A_16 (singleton), Demsculpinboyz_14 (F2), Fryberger_45 (DP), Guey18_50 (DP), Jabbawokkie_15 (F2), Keelan_43 (DP), LilSpotty_12 (singleton), Ronaldo_48 (DP), Soul22_14 (F2), Volt_47 (DP), Yoshi_14 (F2), Zapner_15 (F2), Ziko_48 (DP),

Start 39:

- Found in 11 of 489 (2.2%) of genes in pham
- Manual Annotations of this start: 10 of 458
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apricot_13 (DN3), BearBQ_13 (DN), Birdsong_13 (DN), Crater_13 (DN3), Ecliptus_13 (DN), Kuwabara_13 (DN4), Lucky10_12 (DH), Morkie_12 (DH), MortyNRick_13 (DN), ODay_13 (DN),

PhorbesPhlower_12 (DH),

Start 40:

- Found in 261 of 489 (53.4%) of genes in pham
- Manual Annotations of this start: 1 of 458
- Called 0.4% of time when present
- Phage (with cluster) where this start called: Spartoi_11 (singleton),

Summary by clusters:

There are 33 clusters represented in this pham: DN, FR, DH, singleton, K3, K2, K1, K7, K6, K5, K4, K8, DP, G5, G4, G3, G2, G1, DN4, DN1, DN3, DN2, AS3, AS2, AS1, AB, AG, F, AK, EB, Y, X, F2,

Info for manual annotations of cluster AB:

- Start number 28 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AG:

- Start number 32 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AK:

- Start number 33 was manually annotated 9 times for cluster AK.
- Start number 34 was manually annotated 74 times for cluster AK.

Info for manual annotations of cluster AS1:

- Start number 34 was manually annotated 3 times for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 34 was manually annotated 11 times for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 34 was manually annotated 6 times for cluster AS3.

Info for manual annotations of cluster DH:

- Start number 39 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DN:

- Start number 37 was manually annotated 2 times for cluster DN.
- Start number 39 was manually annotated 4 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 37 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 37 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 39 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 39 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DP:

- Start number 38 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster EB:

- Start number 34 was manually annotated 44 times for cluster EB.

Info for manual annotations of cluster F2:

- Start number 38 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster G1:

- Start number 28 was manually annotated 60 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 28 was manually annotated 3 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 28 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 28 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 28 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster K1:

- Start number 25 was manually annotated 89 times for cluster K1.
- Start number 26 was manually annotated 5 times for cluster K1.
- Start number 28 was manually annotated 9 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 23 was manually annotated 2 times for cluster K2.
- Start number 24 was manually annotated 8 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 27 was manually annotated 6 times for cluster K3.
- Start number 28 was manually annotated 2 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 28 was manually annotated 19 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 28 was manually annotated 22 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 10 was manually annotated 1 time for cluster K6.
- Start number 25 was manually annotated 13 times for cluster K6.
- Start number 28 was manually annotated 8 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 28 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 28 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster X:

- Start number 37 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 19 was manually annotated 2 times for cluster Y.
- Start number 35 was manually annotated 2 times for cluster Y.

Gene Information:

Gene: 8UZL_15 Start: 9344, Stop: 9985, Start Num: 28

Candidate Starts for 8UZL_15:

(18, 9311), (Start: 28 @9344 has 134 MA's), (Start: 38 @9377 has 15 MA's), (Start: 40 @9386 has 1 MA's), (44, 9404), (56, 9470), (61, 9509), (62, 9524), (77, 9629), (81, 9650), (84, 9680), (93, 9719), (102, 9764), (121, 9848), (126, 9869),

Gene: Abigail_12 Start: 8439, Stop: 9236, Start Num: 34

Candidate Starts for Abigail_12:

(3, 8139), (6, 8235), (7, 8253), (13, 8355), (Start: 28 @8409 has 134 MA's), (Start: 34 @8439 has 138 MA's), (36, 8445), (61, 8586), (62, 8601), (93, 8793), (113, 8880), (147, 9081), (153, 9177),

Gene: ActinUp_18 Start: 10504, Stop: 11118, Start Num: 25

Candidate Starts for ActinUp_18:

(Start: 25 @10504 has 102 MA's), (Start: 40 @10549 has 1 MA's), (61, 10672), (67, 10726), (74, 10783), (78, 10798), (93, 10882), (95, 10888), (102, 10927), (105, 10939), (112, 10966), (121, 11011), (124, 11026), (132, 11050), (142, 11107),

Gene: Adephagia_18 Start: 10504, Stop: 11118, Start Num: 25

Candidate Starts for Adephagia_18:

(Start: 25 @10504 has 102 MA's), (Start: 40 @10549 has 1 MA's), (61, 10672), (67, 10726), (74, 10783), (78, 10798), (93, 10882), (95, 10888), (102, 10927), (105, 10939), (112, 10966), (121, 11011), (124, 11026), (132, 11050), (142, 11107),

Gene: Adonis_18 Start: 10513, Stop: 11127, Start Num: 25

Candidate Starts for Adonis_18:

(Start: 25 @10513 has 102 MA's), (Start: 40 @10558 has 1 MA's), (61, 10681), (67, 10735), (74, 10792), (78, 10807), (93, 10891), (95, 10897), (102, 10936), (105, 10948), (112, 10975), (121, 11020), (124, 11035), (132, 11059),

Gene: Agent47_16 Start: 10624, Stop: 11235, Start Num: 28

Candidate Starts for Agent47_16:

(Start: 28 @10624 has 134 MA's), (Start: 40 @10669 has 1 MA's), (67, 10846), (74, 10903), (78, 10918), (81, 10933), (93, 11002), (95, 11008), (102, 11047), (108, 11074), (121, 11131), (124, 11146), (132, 11170), (136, 11200),

Gene: Ageofdapage_18 Start: 10435, Stop: 11046, Start Num: 26

Candidate Starts for Ageofdapage_18:

(Start: 26 @10435 has 5 MA's), (Start: 40 @10477 has 1 MA's), (61, 10600), (67, 10654), (74, 10711), (78, 10726), (84, 10771), (93, 10810), (95, 10816), (102, 10855), (105, 10867), (112, 10894), (121, 10939), (124, 10954), (132, 10978),

Gene: Albanese_15 Start: 10902, Stop: 11810, Start Num: 33

Candidate Starts for Albanese_15:

(Start: 33 @10902 has 9 MA's), (62, 11058), (77, 11163), (84, 11211), (128, 11400), (149, 11574), (150, 11604), (156, 11655), (157, 11661),

Gene: Albedo_12 Start: 8314, Stop: 9111, Start Num: 34

Candidate Starts for Albedo_12:

(6, 8110), (7, 8128), (13, 8230), (Start: 28 @8284 has 134 MA's), (Start: 34 @8314 has 138 MA's), (36, 8320), (61, 8461), (62, 8476), (85, 8632), (93, 8668), (102, 8713), (113, 8755), (147, 8956),

Gene: Albright_12 Start: 8320, Stop: 9117, Start Num: 34

Candidate Starts for Albright_12:

(3, 8020), (6, 8116), (7, 8134), (13, 8236), (Start: 28 @8290 has 134 MA's), (Start: 34 @8320 has 138 MA's), (36, 8326), (61, 8467), (62, 8482), (93, 8674), (113, 8761), (147, 8962), (153, 9058),

Gene: Aledel_11 Start: 7979, Stop: 8884, Start Num: 34

Candidate Starts for Aledel_11:

(Start: 34 @7979 has 138 MA's), (58, 8090), (62, 8135), (87, 8297), (103, 8366), (127, 8471), (128, 8474), (133, 8489), (149, 8648), (150, 8678), (152, 8696), (157, 8735), (159, 8813),

Gene: AlishaPH_18 Start: 10503, Stop: 11114, Start Num: 25

Candidate Starts for AlishaPH_18:

(Start: 25 @10503 has 102 MA's), (Start: 40 @10545 has 1 MA's), (67, 10722), (74, 10779), (78, 10794), (93, 10878), (95, 10884), (102, 10923), (105, 10935), (112, 10962), (121, 11007), (124, 11022), (132, 11046), (142, 11103),

Gene: AlleyCat_16 Start: 10500, Stop: 11111, Start Num: 28

Candidate Starts for AlleyCat_16:

(Start: 28 @10500 has 134 MA's), (Start: 40 @10545 has 1 MA's), (74, 10779), (78, 10794), (81, 10809), (93, 10878), (95, 10884), (102, 10923), (105, 10935), (108, 10950), (121, 11007), (124, 11022), (132, 11046), (136, 11076),

Gene: Amelia_14 Start: 8964, Stop: 9545, Start Num: 34

Candidate Starts for Amelia_14:

(Start: 34 @8964 has 138 MA's), (Start: 40 @8985 has 1 MA's), (57, 9072), (62, 9120), (84, 9273), (102, 9357), (111, 9393), (113, 9399), (118, 9432), (134, 9501),

Gene: Amelie_14 Start: 9777, Stop: 10388, Start Num: 25

Candidate Starts for Amelie_14:

(Start: 25 @9777 has 102 MA's), (Start: 34 @9798 has 138 MA's), (Start: 40 @9819 has 1 MA's), (61, 9942), (62, 9957), (67, 9996), (74, 10053), (78, 10068), (84, 10113), (93, 10152), (95, 10158), (102, 10197), (105, 10209), (121, 10281), (124, 10296), (132, 10320), (136, 10350),

Gene: Amgine_16 Start: 10111, Stop: 10827, Start Num: 10

Candidate Starts for Amgine_16:

(2, 9946), (Start: 10 @10111 has 1 MA's), (15, 10174), (17, 10183), (Start: 28 @10216 has 134 MA's), (Start: 40 @10258 has 1 MA's), (61, 10381), (63, 10402), (67, 10435), (74, 10492), (78, 10507), (93, 10591), (95, 10597), (102, 10636), (105, 10648), (112, 10675), (124, 10735), (132, 10759),

Gene: Aminay_16 Start: 10358, Stop: 10966, Start Num: 28

Candidate Starts for Aminay_16:

(Start: 28 @10358 has 134 MA's), (48, 10433), (55, 10481), (62, 10538), (63, 10544), (74, 10634), (81, 10664), (84, 10694), (88, 10706), (93, 10733), (95, 10739), (108, 10805), (121, 10862), (124, 10877), (132, 10901),

Gene: Amohnition_17 Start: 10531, Stop: 11145, Start Num: 28

Candidate Starts for Amohnition_17:

(Start: 28 @10531 has 134 MA's), (Start: 32 @10552 has 2 MA's), (Start: 34 @10555 has 138 MA's), (Start: 40 @10576 has 1 MA's), (63, 10720), (67, 10753), (74, 10810), (78, 10825), (93, 10909), (95, 10915), (102, 10954), (105, 10966), (112, 10993), (124, 11053), (132, 11077), (136, 11107),

Gene: Anaya_19 Start: 10513, Stop: 11124, Start Num: 26

Candidate Starts for Anaya_19:

(Start: 26 @10513 has 5 MA's), (Start: 40 @10555 has 1 MA's), (61, 10678), (74, 10789), (78, 10804), (84, 10849), (93, 10888), (95, 10894), (102, 10933), (121, 11017), (124, 11032), (132, 11056),

Gene: Andrew_13 Start: 8753, Stop: 9334, Start Num: 34

Candidate Starts for Andrew_13:

(Start: 34 @8753 has 138 MA's), (Start: 40 @8774 has 1 MA's), (84, 9062), (102, 9146), (111, 9182), (125, 9248), (140, 9320),

Gene: Angel_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Angel_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Angelica_18 Start: 10475, Stop: 11089, Start Num: 25

Candidate Starts for Angelica_18:

(Start: 25 @10475 has 102 MA's), (Start: 40 @10520 has 1 MA's), (61, 10643), (67, 10697), (74, 10754), (78, 10769), (93, 10853), (95, 10859), (102, 10898), (105, 10910), (112, 10937), (121, 10982), (124, 10997), (132, 11021), (142, 11078),

Gene: AnnaLie_13 Start: 8729, Stop: 9526, Start Num: 34

Candidate Starts for AnnaLie_13:

(6, 8525), (7, 8543), (Start: 28 @8699 has 134 MA's), (Start: 34 @8729 has 138 MA's), (36, 8735), (61, 8876), (62, 8891), (93, 9083), (113, 9170), (147, 9371), (153, 9467),

Gene: AnnabelLee_14 Start: 8154, Stop: 8732, Start Num: 36

Candidate Starts for AnnabelLee_14:

(36, 8154), (81, 8433), (98, 8535), (113, 8589), (140, 8721),

Gene: Annihilator_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Annihilator_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Antsirabe_13 Start: 10190, Stop: 10810, Start Num: 28

Candidate Starts for Antsirabe_13:

(Start: 28 @10190 has 134 MA's), (31, 10214), (45, 10265), (55, 10322), (61, 10364), (62, 10379), (74, 10475), (78, 10490), (82, 10514), (84, 10535), (93, 10574), (97, 10598), (108, 10646), (115, 10670), (116, 10676), (124, 10718), (132, 10742), (136, 10772),

Gene: Apocalypse_18 Start: 10479, Stop: 11093, Start Num: 25

Candidate Starts for Apocalypse_18:

(Start: 25 @10479 has 102 MA's), (Start: 40 @10524 has 1 MA's), (61, 10647), (67, 10701), (74, 10758), (78, 10773), (93, 10857), (95, 10863), (102, 10902), (105, 10914), (112, 10941), (121, 10986), (124, 11001), (132, 11025), (142, 11082),

Gene: AppleCider_15 Start: 10835, Stop: 11743, Start Num: 34

Candidate Starts for AppleCider_15:

(Start: 34 @10835 has 138 MA's), (Start: 40 @10856 has 1 MA's), (62, 10991), (87, 11153), (93, 11183), (121, 11303), (128, 11333), (133, 11348), (141, 11411), (144, 11429), (149, 11507), (150, 11537), (151, 11543), (156, 11588), (157, 11594),

Gene: Apricot_13 Start: 7836, Stop: 8429, Start Num: 39

Candidate Starts for Apricot_13:

(Start: 39 @7836 has 10 MA's), (44, 7857), (49, 7881), (63, 7995), (71, 8055), (74, 8085), (80, 8109), (81, 8115), (86, 8151), (87, 8154), (95, 8190), (102, 8229), (128, 8340),

Gene: Aroostook_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Aroostook_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Arroyo_13 Start: 8790, Stop: 9587, Start Num: 34

Candidate Starts for Arroyo_13:

(6, 8586), (7, 8604), (13, 8706), (Start: 28 @8760 has 134 MA's), (Start: 34 @8790 has 138 MA's), (36, 8796), (61, 8937), (62, 8952), (93, 9144), (113, 9231), (147, 9432), (153, 9528),

Gene: Asapag_13 Start: 7514, Stop: 8086, Start Num: 37

Candidate Starts for Asapag_13:

(Start: 37 @7514 has 21 MA's), (42, 7535), (47, 7556), (49, 7568), (70, 7727), (77, 7769), (83, 7802), (125, 7991), (143, 8075),

Gene: Asayake_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Asayake_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: Atiba_18 Start: 10467, Stop: 11081, Start Num: 25

Candidate Starts for Atiba_18:

(Start: 25 @10467 has 102 MA's), (Start: 40 @10512 has 1 MA's), (61, 10635), (67, 10689), (74, 10746), (78, 10761), (93, 10845), (95, 10851), (102, 10890), (105, 10902), (112, 10929), (121, 10974), (124, 10989), (132, 11013),

Gene: AuntGwenStacy_19 Start: 12547, Stop: 13128, Start Num: 35

Candidate Starts for AuntGwenStacy_19:

(Start: 19 @12487 has 2 MA's), (29, 12517), (Start: 35 @12547 has 2 MA's), (47, 12592), (70, 12763), (79, 12814), (81, 12826), (84, 12856), (102, 12940), (109, 12970), (121, 13024), (142, 13117),

Gene: AustinPowers_11 Start: 7980, Stop: 8885, Start Num: 34

Candidate Starts for AustinPowers_11:

(Start: 34 @7980 has 138 MA's), (62, 8136), (87, 8298), (103, 8367), (128, 8475), (133, 8490), (149, 8649), (150, 8679), (152, 8697), (157, 8736), (159, 8814),

Gene: AvGardian_12 Start: 8379, Stop: 9176, Start Num: 34

Candidate Starts for AvGardian_12:

(Start: 34 @8379 has 138 MA's), (36, 8385), (61, 8529), (62, 8544), (86, 8703), (93, 8736), (113, 8823), (116, 8838), (139, 8955), (147, 9021),

Gene: Avani_14 Start: 7679, Stop: 8272, Start Num: 38

Candidate Starts for Avani_14:

(Start: 38 @7679 has 15 MA's), (42, 7697), (61, 7814), (65, 7853), (73, 7919), (81, 7952), (83, 7964), (86, 7988), (102, 8060), (104, 8069), (106, 8081), (110, 8093), (116, 8117), (118, 8135),

Gene: Avocado_13 Start: 10012, Stop: 10632, Start Num: 28

Candidate Starts for Avocado_13:

(Start: 28 @10012 has 134 MA's), (45, 10087), (55, 10144), (61, 10186), (62, 10201), (74, 10297), (78, 10312), (82, 10336), (84, 10357), (93, 10396), (97, 10420), (102, 10441), (108, 10468), (116, 10498), (124, 10540), (132, 10564),

Gene: Avocadoman_12 Start: 8378, Stop: 9175, Start Num: 34

Candidate Starts for Avocadoman_12:

(3, 8078), (6, 8174), (7, 8192), (13, 8294), (Start: 28 @8348 has 134 MA's), (Start: 34 @8378 has 138 MA's), (36, 8384), (61, 8525), (62, 8540), (93, 8732), (113, 8819), (147, 9020), (153, 9116),

Gene: Avrafan_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Avrafan_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: AzulaCat_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for AzulaCat_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: BEEST_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for BEEST_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: BENtherdunthat_13 Start: 7514, Stop: 8086, Start Num: 37

Candidate Starts for BENtherdunthat_13:

(Start: 37 @7514 has 21 MA's), (42, 7535), (47, 7556), (49, 7568), (70, 7727), (77, 7769), (83, 7802), (125, 7991), (143, 8075),

Gene: BGlluviae_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for BGlluviae_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: BPs_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for BPs_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: BQuat_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for BQuat_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: BabyDaisy_13 Start: 8547, Stop: 9341, Start Num: 34

Candidate Starts for BabyDaisy_13:

(Start: 34 @8547 has 138 MA's), (61, 8694), (62, 8709), (93, 8901), (102, 8946), (113, 8988), (147, 9186),

Gene: BabyYoda_12 Start: 8571, Stop: 9368, Start Num: 34

Candidate Starts for BabyYoda_12:

(Start: 34 @8571 has 138 MA's), (36, 8577), (61, 8721), (62, 8736), (86, 8895), (93, 8928), (102, 8973), (139, 9147), (147, 9213),

Gene: BaghaKamala_18 Start: 10470, Stop: 11084, Start Num: 25

Candidate Starts for BaghaKamala_18:

(Start: 25 @10470 has 102 MA's), (Start: 40 @10515 has 1 MA's), (61, 10638), (67, 10692), (74, 10749), (78, 10764), (93, 10848), (95, 10854), (102, 10893), (105, 10905), (112, 10932), (121, 10977), (124, 10992), (132, 11016), (142, 11073),

Gene: Barkley26_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Barkley26_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (81, 10163), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: BarrelRoll_18 Start: 10496, Stop: 11107, Start Num: 25

Candidate Starts for BarrelRoll_18:

(Start: 25 @10496 has 102 MA's), (Start: 40 @10538 has 1 MA's), (61, 10661), (67, 10715), (74, 10772), (78, 10787), (93, 10871), (95, 10877), (102, 10916), (105, 10928), (112, 10955), (121, 11000), (124, 11015), (132, 11039), (142, 11096),

Gene: BearBQ_13 Start: 7836, Stop: 8429, Start Num: 39

Candidate Starts for BearBQ_13:

(Start: 39 @7836 has 10 MA's), (44, 7857), (49, 7881), (69, 8049), (80, 8109), (81, 8115), (86, 8151), (87, 8154), (95, 8190),

Gene: Bedetta_14 Start: 8964, Stop: 9545, Start Num: 34

Candidate Starts for Bedetta_14:

(Start: 34 @8964 has 138 MA's), (Start: 40 @8985 has 1 MA's), (57, 9072), (62, 9120), (84, 9273), (102, 9357), (111, 9393), (113, 9399), (118, 9432), (134, 9501),

Gene: Beethoven_15 Start: 10796, Stop: 11704, Start Num: 34

Candidate Starts for Beethoven_15:

(Start: 34 @10796 has 138 MA's), (62, 10952), (77, 11057), (87, 11114), (128, 11294), (133, 11309), (149, 11468), (150, 11498), (157, 11555),

Gene: Beezoo_18 Start: 10524, Stop: 11135, Start Num: 25

Candidate Starts for Beezoo_18:

(Start: 25 @10524 has 102 MA's), (Start: 40 @10566 has 1 MA's), (61, 10689), (67, 10743), (74, 10800), (78, 10815), (93, 10899), (95, 10905), (102, 10944), (105, 10956), (112, 10983), (121, 11028), (124, 11043), (132, 11067),

Gene: Bella96_18 Start: 10425, Stop: 11039, Start Num: 25

Candidate Starts for Bella96_18:

(Start: 25 @10425 has 102 MA's), (Start: 40 @10470 has 1 MA's), (67, 10647), (74, 10704), (78, 10719), (81, 10734), (84, 10764), (93, 10803), (95, 10809), (102, 10848), (105, 10860), (112, 10887), (121, 10932), (124, 10947), (132, 10971),

Gene: Belladonna_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Belladonna_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: BelmontSKP_13 Start: 8729, Stop: 9526, Start Num: 34

Candidate Starts for BelmontSKP_13:

(6, 8525), (7, 8543), (Start: 28 @8699 has 134 MA's), (Start: 34 @8729 has 138 MA's), (36, 8735), (61, 8876), (62, 8891), (93, 9083), (113, 9170), (147, 9371), (153, 9467),

Gene: Bennie_11 Start: 7938, Stop: 8846, Start Num: 34

Candidate Starts for Bennie_11:

(Start: 34 @7938 has 138 MA's), (62, 8094), (77, 8199), (87, 8256), (128, 8436), (133, 8451), (144, 8532), (149, 8610), (150, 8640), (152, 8658), (157, 8697),

Gene: BigMack_11 Start: 7938, Stop: 8846, Start Num: 34

Candidate Starts for BigMack_11:

(Start: 34 @7938 has 138 MA's), (62, 8094), (77, 8199), (84, 8247), (86, 8253), (87, 8256), (128, 8436), (133, 8451), (144, 8532), (149, 8610), (150, 8640),

Gene: Biglebops_14 Start: 9777, Stop: 10388, Start Num: 25

Candidate Starts for Biglebops_14:

(Start: 25 @9777 has 102 MA's), (Start: 34 @9798 has 138 MA's), (Start: 40 @9819 has 1 MA's), (61, 9942), (62, 9957), (67, 9996), (74, 10053), (78, 10068), (84, 10113), (93, 10152), (95, 10158), (102, 10197), (105, 10209), (121, 10281), (124, 10296), (132, 10320), (136, 10350),

Gene: Bipper_19 Start: 12607, Stop: 13194, Start Num: 35

Candidate Starts for Bipper_19:

(21, 12580), (Start: 35 @12607 has 2 MA's), (42, 12631), (47, 12652), (49, 12664), (68, 12817), (70, 12823), (78, 12871), (79, 12874), (81, 12886), (84, 12916), (100, 12994), (102, 13000), (109, 13030), (117, 13066), (121, 13084), (130, 13117), (141, 13174), (142, 13177), (143, 13180),

Gene: Birdsong_13 Start: 7836, Stop: 8429, Start Num: 39

Candidate Starts for Birdsong_13:

(Start: 39 @7836 has 10 MA's), (44, 7857), (49, 7881), (69, 8049), (80, 8109), (81, 8115), (86, 8151), (87, 8154), (95, 8190),

Gene: Blarby_15 Start: 8203, Stop: 8796, Start Num: 38

Candidate Starts for Blarby_15:

(Start: 38 @8203 has 15 MA's), (42, 8221), (61, 8338), (65, 8377), (73, 8443), (81, 8476), (83, 8488), (86, 8512), (102, 8584), (104, 8593), (106, 8605), (110, 8617), (116, 8641), (118, 8659),

Gene: Blizzard_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Blizzard_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: Bodacious_11 Start: 7936, Stop: 8844, Start Num: 34

Candidate Starts for Bodacious_11:

(Start: 34 @7936 has 138 MA's), (62, 8092), (86, 8251), (87, 8254), (128, 8434), (149, 8608), (150, 8638), (157, 8695),

Gene: Boiiii_18 Start: 10546, Stop: 11157, Start Num: 25

Candidate Starts for Boiiii_18:

(Start: 25 @10546 has 102 MA's), (Start: 40 @10588 has 1 MA's), (61, 10711), (67, 10765), (74, 10822), (78, 10837), (93, 10921), (95, 10927), (102, 10966), (105, 10978), (112, 11005), (121, 11050), (124, 11065), (132, 11089), (142, 11146),

Gene: Boilgate_15 Start: 10475, Stop: 11086, Start Num: 28

Candidate Starts for Boilgate_15:

(16, 10436), (Start: 28 @10475 has 134 MA's), (46, 10541), (63, 10658), (66, 10679), (67, 10691), (74, 10748), (78, 10763), (81, 10778), (84, 10808), (93, 10847), (102, 10892), (105, 10904), (108, 10919), (121, 10976), (124, 10991), (132, 11015), (133, 11018),

Gene: BoostSeason_14 Start: 8528, Stop: 9151, Start Num: 23

Candidate Starts for BoostSeason_14:

(11, 8462), (Start: 23 @8528 has 2 MA's), (Start: 38 @8576 has 15 MA's), (Start: 40 @8585 has 1 MA's), (62, 8723), (74, 8819), (78, 8834), (81, 8849), (84, 8879), (93, 8918), (95, 8924), (96, 8927), (102, 8963), (105, 8975), (108, 8990), (121, 9047), (124, 9062), (132, 9086),

Gene: BrotherBLo_15 Start: 10803, Stop: 11711, Start Num: 34

Candidate Starts for BrotherBLo_15:

(Start: 34 @10803 has 138 MA's), (62, 10959), (77, 11064), (87, 11121), (128, 11301), (133, 11316), (148, 11451), (149, 11475), (150, 11505), (157, 11562),

Gene: BruceB_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for BruceB_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Bryler_17 Start: 9523, Stop: 10137, Start Num: 25

Candidate Starts for Bryler_17:

(Start: 25 @9523 has 102 MA's), (30, 9535), (Start: 40 @9568 has 1 MA's), (67, 9745), (74, 9802), (78, 9817), (81, 9832), (84, 9862), (93, 9901), (95, 9907), (112, 9985), (124, 10045), (133, 10072),

Gene: BubbaBear_12 Start: 8314, Stop: 9111, Start Num: 34

Candidate Starts for BubbaBear_12:

(4, 8026), (5, 8107), (6, 8110), (7, 8128), (Start: 28 @8284 has 134 MA's), (Start: 34 @8314 has 138 MA's), (36, 8320), (61, 8461), (62, 8476), (85, 8632), (93, 8668), (102, 8713), (113, 8755), (147, 8956),

Gene: Budski_13 Start: 7501, Stop: 8073, Start Num: 37

Candidate Starts for Budski_13:

(Start: 37 @7501 has 21 MA's), (42, 7522), (47, 7543), (49, 7555), (70, 7714), (77, 7756), (83, 7789), (125, 7978), (143, 8062),

Gene: Burritobowl_12 Start: 8347, Stop: 9144, Start Num: 34

Candidate Starts for Burritobowl_12:

(1, 7990), (3, 8047), (6, 8143), (7, 8161), (8, 8170), (13, 8263), (Start: 28 @8317 has 134 MA's), (Start: 34 @8347 has 138 MA's), (36, 8353), (61, 8494), (62, 8509), (93, 8701), (113, 8788), (147, 8989), (153, 9085),

Gene: CLED96_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for CLED96_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: CREW_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for CREW_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: Cain_17 Start: 9511, Stop: 10125, Start Num: 25

Candidate Starts for Cain_17:

(Start: 25 @9511 has 102 MA's), (30, 9523), (Start: 40 @9556 has 1 MA's), (67, 9733), (74, 9790), (78, 9805), (81, 9820), (84, 9850), (93, 9889), (95, 9895), (112, 9973), (124, 10033), (133, 10060),

Gene: CallieOMalley_15 Start: 10835, Stop: 11743, Start Num: 34

Candidate Starts for CallieOMalley_15:

(Start: 34 @10835 has 138 MA's), (Start: 40 @10856 has 1 MA's), (62, 10991), (87, 11153), (93, 11183), (121, 11303), (127, 11330), (128, 11333), (133, 11348), (141, 11411), (144, 11429), (149, 11507), (150, 11537), (151, 11543), (156, 11588), (157, 11594),

Gene: Camara_12 Start: 8379, Stop: 8960, Start Num: 34

Candidate Starts for Camara_12:

(Start: 34 @8379 has 138 MA's), (Start: 40 @8400 has 1 MA's), (84, 8688), (102, 8772), (112, 8811), (113, 8814), (118, 8847), (134, 8916), (140, 8946),

Gene: Cambiare_14 Start: 10474, Stop: 11094, Start Num: 28

Candidate Starts for Cambiare_14:

(Start: 28 @10474 has 134 MA's), (45, 10549), (55, 10606), (61, 10648), (62, 10663), (74, 10759), (78, 10774), (82, 10798), (84, 10819), (93, 10858), (97, 10882), (102, 10903), (108, 10930), (116, 10960), (124, 11002), (132, 11026), (136, 11056),

Gene: Camri_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Camri_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Canowicakte_15 Start: 10870, Stop: 11778, Start Num: 34

Candidate Starts for Canowicakte_15:

(Start: 34 @10870 has 138 MA's), (Start: 40 @10891 has 1 MA's), (62, 11026), (87, 11188), (93, 11218), (121, 11338), (127, 11365), (128, 11368), (133, 11383), (141, 11446), (144, 11464), (149, 11542), (150, 11572), (151, 11578), (156, 11623), (157, 11629),

Gene: Capricorn_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Capricorn_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: Carpal_15 Start: 10803, Stop: 11711, Start Num: 34

Candidate Starts for Carpal_15:

(Start: 34 @10803 has 138 MA's), (62, 10959), (77, 11064), (87, 11121), (128, 11301), (133, 11316), (149, 11475), (150, 11505), (157, 11562),

Gene: CaseJules_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for CaseJules_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: Cashington_12 Start: 8337, Stop: 9134, Start Num: 34

Candidate Starts for Cashington_12:

(3, 8037), (7, 8151), (13, 8253), (Start: 28 @8307 has 134 MA's), (Start: 34 @8337 has 138 MA's), (36, 8343), (61, 8484), (62, 8499), (85, 8655), (93, 8691), (102, 8736), (113, 8778), (147, 8979),

Gene: CassieYates_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for CassieYates_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Cedasite_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Cedasite_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Chance64_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Chance64_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Chancellor_19 Start: 11727, Stop: 12338, Start Num: 28

Candidate Starts for Chancellor_19:

(Start: 28 @11727 has 134 MA's), (46, 11793), (48, 11799), (55, 11847), (62, 11904), (63, 11910), (66, 11931), (67, 11943), (74, 12000), (78, 12015), (93, 12099), (95, 12105), (102, 12144), (105, 12156), (108, 12171), (121, 12228), (124, 12243), (132, 12267), (136, 12297),

Gene: Che9d_14 Start: 7688, Stop: 8281, Start Num: 38

Candidate Starts for Che9d_14:

(Start: 38 @7688 has 15 MA's), (42, 7706), (61, 7823), (65, 7862), (73, 7928), (81, 7961), (83, 7973), (86, 7997), (102, 8069), (104, 8078), (106, 8090), (110, 8102), (116, 8126), (118, 8144),

Gene: CheeseTouch_13 Start: 7501, Stop: 8073, Start Num: 37

Candidate Starts for CheeseTouch_13:

(Start: 37 @7501 has 21 MA's), (42, 7522), (47, 7543), (49, 7555), (70, 7714), (77, 7756), (83, 7789), (125, 7978), (143, 8062),

Gene: CheetoDust_18 Start: 10521, Stop: 11132, Start Num: 25

Candidate Starts for CheetoDust_18:

(Start: 25 @10521 has 102 MA's), (Start: 40 @10563 has 1 MA's), (61, 10686), (67, 10740), (74, 10797), (78, 10812), (90, 10881), (93, 10896), (95, 10902), (102, 10941), (112, 10980), (121, 11025), (124, 11040), (132, 11064), (142, 11121),

Gene: Cheetobro_19 Start: 11727, Stop: 12338, Start Num: 28

Candidate Starts for Cheetobro_19:

(Start: 28 @11727 has 134 MA's), (46, 11793), (48, 11799), (55, 11847), (62, 11904), (63, 11910), (66, 11931), (67, 11943), (74, 12000), (78, 12015), (93, 12099), (95, 12105), (102, 12144), (105, 12156), (108, 12171), (121, 12228), (124, 12243), (132, 12267), (136, 12297),

Gene: Cherrybomb426_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Cherrybomb426_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: ChewChew_11 Start: 7935, Stop: 8843, Start Num: 34

Candidate Starts for ChewChew_11:

(Start: 34 @7935 has 138 MA's), (62, 8091), (86, 8250), (87, 8253), (128, 8433), (149, 8607), (150, 8637), (157, 8694),

Gene: ChiliPepper_12 Start: 8556, Stop: 9350, Start Num: 34

Candidate Starts for ChiliPepper_12:

(Start: 34 @8556 has 138 MA's), (36, 8562), (50, 8631), (61, 8703), (62, 8718), (93, 8910), (102, 8955), (113, 8997), (116, 9012), (139, 9129), (147, 9195), (155, 9303),

Gene: Cholula_15 Start: 10848, Stop: 11756, Start Num: 34

Candidate Starts for Cholula_15:

(Start: 34 @10848 has 138 MA's), (62, 11004), (77, 11109), (87, 11166), (128, 11346), (133, 11361), (148, 11496), (149, 11520), (150, 11550), (157, 11607),

Gene: Chridison_11 Start: 7980, Stop: 8885, Start Num: 34

Candidate Starts for Chridison_11:

(Start: 34 @7980 has 138 MA's), (62, 8136), (73, 8226), (87, 8298), (103, 8367), (128, 8475), (133, 8490), (149, 8649), (150, 8679), (152, 8697), (157, 8736), (158, 8796), (159, 8814),

Gene: Chris_17 Start: 9487, Stop: 10098, Start Num: 25

Candidate Starts for Chris_17:

(Start: 25 @9487 has 102 MA's), (Start: 40 @9529 has 1 MA's), (67, 9706), (74, 9763), (78, 9778), (84, 9823), (93, 9862), (95, 9868), (116, 9964), (124, 10006), (132, 10030), (136, 10060), (139, 10081),

Gene: Christian_11 Start: 7936, Stop: 8844, Start Num: 34

Candidate Starts for Christian_11:

(Start: 34 @7936 has 138 MA's), (62, 8092), (86, 8251), (87, 8254), (91, 8272), (128, 8434), (149, 8608), (150, 8638), (157, 8695),

Gene: Coleslaw_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Coleslaw_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Collard_16 Start: 10585, Stop: 11196, Start Num: 28

Candidate Starts for Collard_16:

(Start: 28 @10585 has 134 MA's), (Start: 40 @10630 has 1 MA's), (67, 10807), (74, 10864), (78, 10879), (81, 10894), (93, 10963), (95, 10969), (102, 11008), (108, 11035), (121, 11092), (124, 11107), (132, 11131), (136, 11161),

Gene: Colusalem_13 Start: 8803, Stop: 9384, Start Num: 34

Candidate Starts for Colusalem_13:

(Start: 34 @8803 has 138 MA's), (Start: 40 @8824 has 1 MA's), (57, 8911), (62, 8959), (84, 9112), (102, 9196), (111, 9232), (113, 9238), (118, 9271), (134, 9340),

Gene: Coral_13 Start: 8803, Stop: 9384, Start Num: 34

Candidate Starts for Coral_13:

(Start: 34 @8803 has 138 MA's), (Start: 40 @8824 has 1 MA's), (57, 8911), (62, 8959), (84, 9112), (102, 9196), (111, 9232), (113, 9238), (118, 9271), (134, 9340),

Gene: Cote_14 Start: 8964, Stop: 9545, Start Num: 34

Candidate Starts for Cote_14:

(Start: 34 @8964 has 138 MA's), (Start: 40 @8985 has 1 MA's), (57, 9072), (62, 9120), (84, 9273), (102, 9357), (111, 9393), (113, 9399), (118, 9432), (134, 9501),

Gene: Cracklewink_19 Start: 12607, Stop: 13194, Start Num: 35

Candidate Starts for Cracklewink_19:

(21, 12580), (Start: 35 @12607 has 2 MA's), (42, 12631), (47, 12652), (49, 12664), (68, 12817), (70, 12823), (78, 12871), (79, 12874), (81, 12886), (84, 12916), (102, 13000), (109, 13030), (117, 13066), (121, 13084), (130, 13117), (141, 13174), (142, 13177), (143, 13180),

Gene: Crater_13 Start: 7836, Stop: 8429, Start Num: 39

Candidate Starts for Crater_13:

(Start: 39 @7836 has 10 MA's), (44, 7857), (49, 7881), (63, 7995), (71, 8055), (74, 8085), (80, 8109), (81, 8115), (86, 8151), (87, 8154), (95, 8190), (102, 8229), (128, 8340),

Gene: Crespo_13 Start: 9855, Stop: 10469, Start Num: 28

Candidate Starts for Crespo_13:

(Start: 28 @9855 has 134 MA's), (Start: 40 @9900 has 1 MA's), (45, 9924), (59, 10002), (61, 10023), (62, 10038), (74, 10134), (78, 10149), (82, 10173), (84, 10194), (93, 10233), (97, 10257), (98, 10266), (102, 10278), (116, 10335), (121, 10362), (124, 10377), (132, 10401),

Gene: CrimD_18 Start: 10473, Stop: 11087, Start Num: 25

Candidate Starts for CrimD_18:

(Start: 25 @10473 has 102 MA's), (Start: 40 @10518 has 1 MA's), (61, 10641), (67, 10695), (74, 10752), (78, 10767), (93, 10851), (95, 10857), (102, 10896), (105, 10908), (112, 10935), (121, 10980), (124, 10995), (132, 11019), (142, 11076),

Gene: CristinaYang_11 Start: 7936, Stop: 8844, Start Num: 34

Candidate Starts for CristinaYang_11:

(Start: 34 @7936 has 138 MA's), (62, 8092), (86, 8251), (87, 8254), (91, 8272), (128, 8434), (149, 8608), (150, 8638), (157, 8695),

Gene: CroZenni_12 Start: 8320, Stop: 9117, Start Num: 34

Candidate Starts for CroZenni_12:

(6, 8116), (7, 8134), (Start: 28 @8290 has 134 MA's), (Start: 34 @8320 has 138 MA's), (36, 8326), (61, 8467), (62, 8482), (93, 8674), (113, 8761), (147, 8962), (153, 9058),

Gene: Curiosium_19 Start: 9949, Stop: 10563, Start Num: 28

Candidate Starts for Curiosium_19:

(Start: 28 @9949 has 134 MA's), (Start: 40 @9994 has 1 MA's), (62, 10132), (67, 10171), (74, 10228), (81, 10258), (84, 10288), (93, 10327), (96, 10336), (102, 10372), (121, 10456), (132, 10495), (136, 10525), (139, 10546),

Gene: DMoney_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for DMoney_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: DNAIII_0013 Start: 9863, Stop: 10477, Start Num: 28

Candidate Starts for DNAIII_0013:

(Start: 28 @9863 has 134 MA's), (Start: 40 @9908 has 1 MA's), (45, 9932), (59, 10010), (61, 10031), (62, 10046), (74, 10142), (78, 10157), (82, 10181), (84, 10202), (93, 10241), (97, 10265), (98, 10274), (102, 10286), (116, 10343), (121, 10370), (124, 10385), (132, 10409),

Gene: DS6A_16 Start: 10775, Stop: 11446, Start Num: 38

Candidate Starts for DS6A_16:

(Start: 38 @10775 has 15 MA's), (60, 10898), (61, 10913), (75, 11027), (84, 11084), (86, 11090), (93, 11123), (102, 11168), (103, 11171), (118, 11267), (120, 11273),

Gene: Dadosky_16 Start: 10501, Stop: 11112, Start Num: 28

Candidate Starts for Dadosky_16:

(Start: 28 @10501 has 134 MA's), (Start: 40 @10546 has 1 MA's), (74, 10780), (78, 10795), (81, 10810), (93, 10879), (95, 10885), (102, 10924), (105, 10936), (108, 10951), (121, 11008), (124, 11023), (132, 11047), (136, 11077),

Gene: Daiboju_11 Start: 7981, Stop: 8886, Start Num: 34

Candidate Starts for Daiboju_11:

(Start: 34 @7981 has 138 MA's), (62, 8137), (71, 8203), (77, 8242), (84, 8290), (87, 8299), (128, 8476), (144, 8572), (149, 8650), (150, 8680), (157, 8737),

Gene: Dalmuri_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Dalmuri_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: Daob_14 Start: 8967, Stop: 9548, Start Num: 34

Candidate Starts for Daob_14:

(Start: 34 @8967 has 138 MA's), (Start: 40 @8988 has 1 MA's), (57, 9075), (62, 9123), (84, 9276), (102, 9360), (111, 9396), (113, 9402), (118, 9435), (134, 9504),

Gene: Darionha_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Darionha_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: DARTH_P_17 Start: 10531, Stop: 11145, Start Num: 28

Candidate Starts for DARTH_P_17:

(Start: 28 @10531 has 134 MA's), (Start: 34 @10555 has 138 MA's), (Start: 40 @10576 has 1 MA's), (63, 10720), (67, 10753), (74, 10810), (78, 10825), (93, 10909), (95, 10915), (102, 10954), (105, 10966), (112, 10993), (124, 11053), (132, 11077), (136, 11107),

Gene: Dartin_18 Start: 9573, Stop: 10184, Start Num: 28

Candidate Starts for Dartin_18:

(Start: 28 @9573 has 134 MA's), (Start: 40 @9615 has 1 MA's), (62, 9753), (67, 9792), (74, 9849), (78, 9864), (84, 9909), (93, 9948), (95, 9954), (96, 9957), (105, 10005), (108, 10020), (121, 10077),

Gene: Deby_18 Start: 10475, Stop: 11089, Start Num: 25

Candidate Starts for Deby_18:

(Start: 25 @10475 has 102 MA's), (Start: 40 @10520 has 1 MA's), (61, 10643), (67, 10697), (74, 10754), (78, 10769), (93, 10853), (95, 10859), (102, 10898), (105, 10910), (112, 10937), (121, 10982), (124, 10997), (132, 11021), (142, 11078),

Gene: Demsculpinboyz_14 Start: 7679, Stop: 8272, Start Num: 38

Candidate Starts for Demsculpinboyz_14:

(Start: 38 @7679 has 15 MA's), (42, 7697), (61, 7814), (65, 7853), (73, 7919), (81, 7952), (83, 7964), (86, 7988), (102, 8060), (104, 8069), (106, 8081), (110, 8093), (116, 8117), (118, 8135),

Gene: Devera_18 Start: 10492, Stop: 11106, Start Num: 25

Candidate Starts for Devera_18:

(Start: 25 @10492 has 102 MA's), (Start: 40 @10537 has 1 MA's), (61, 10660), (67, 10714), (74, 10771), (78, 10786), (84, 10831), (93, 10870), (95, 10876), (102, 10915), (105, 10927), (112, 10954), (121, 10999), (124, 11014), (132, 11038),

Gene: DickRichards_12 Start: 8814, Stop: 9611, Start Num: 34

Candidate Starts for DickRichards_12:

(6, 8610), (7, 8628), (Start: 28 @8784 has 134 MA's), (Start: 34 @8814 has 138 MA's), (36, 8820), (61, 8961), (62, 8976), (93, 9168), (113, 9255), (147, 9456), (153, 9552),

Gene: Didgeridoo_13 Start: 8549, Stop: 9343, Start Num: 34

Candidate Starts for Didgeridoo_13:

(Start: 34 @8549 has 138 MA's), (61, 8696), (62, 8711), (93, 8903), (102, 8948), (113, 8990), (147, 9188),

Gene: Dino_15 Start: 10802, Stop: 11710, Start Num: 34

Candidate Starts for Dino_15:

(Start: 34 @10802 has 138 MA's), (62, 10958), (77, 11063), (87, 11120), (128, 11300), (133, 11315), (148, 11450), (149, 11474), (150, 11504), (157, 11561),

Gene: DirtyBubble_12 Start: 8579, Stop: 9376, Start Num: 34

Candidate Starts for DirtyBubble_12:

(Start: 34 @8579 has 138 MA's), (36, 8585), (62, 8744), (86, 8903), (93, 8936), (102, 8981), (139, 9155), (147, 9221),

Gene: DismalFunk_14 Start: 8532, Stop: 9146, Start Num: 24

Candidate Starts for DismalFunk_14:

(Start: 24 @8532 has 8 MA's), (Start: 38 @8571 has 15 MA's), (Start: 40 @8580 has 1 MA's), (74, 8814), (78, 8829), (81, 8844), (84, 8874), (93, 8913), (95, 8919), (101, 8955), (105, 8970), (112, 8997), (121, 9042), (124, 9057), (132, 9081),

Gene: DismalStressor_14 Start: 8532, Stop: 9146, Start Num: 24

Candidate Starts for DismalStressor_14:

(Start: 24 @8532 has 8 MA's), (Start: 38 @8571 has 15 MA's), (Start: 40 @8580 has 1 MA's), (74, 8814), (78, 8829), (81, 8844), (84, 8874), (93, 8913), (95, 8919), (101, 8955), (105, 8970), (112, 8997), (121, 9042), (124, 9057), (132, 9081),

Gene: Dismas_12 Start: 8556, Stop: 9350, Start Num: 34

Candidate Starts for Dismas_12:

(Start: 34 @8556 has 138 MA's), (36, 8562), (50, 8631), (61, 8703), (62, 8718), (93, 8910), (102, 8955), (113, 8997), (116, 9012), (139, 9129), (147, 9195), (155, 9303),

Gene: Dole_18 Start: 10494, Stop: 11108, Start Num: 25

Candidate Starts for Dole_18:

(Start: 25 @10494 has 102 MA's), (Start: 40 @10539 has 1 MA's), (61, 10662), (67, 10716), (74, 10773), (78, 10788), (84, 10833), (93, 10872), (95, 10878), (102, 10917), (105, 10929), (112, 10956), (121, 11001), (124, 11016), (132, 11040),

Gene: Doobus_12 Start: 8551, Stop: 9348, Start Num: 34

Candidate Starts for Doobus_12:

(3, 8251), (6, 8347), (7, 8365), (13, 8467), (Start: 28 @8521 has 134 MA's), (Start: 34 @8551 has 138 MA's), (36, 8557), (61, 8698), (62, 8713), (93, 8905), (113, 8992), (147, 9193), (153, 9289),

Gene: DrHayes_18 Start: 10446, Stop: 11060, Start Num: 25

Candidate Starts for DrHayes_18:

(Start: 25 @10446 has 102 MA's), (31, 10464), (Start: 40 @10491 has 1 MA's), (67, 10668), (74, 10725), (78, 10740), (81, 10755), (84, 10785), (93, 10824), (95, 10830), (102, 10869), (105, 10881), (112, 10908), (121, 10953), (124, 10968), (132, 10992),

Gene: DrRobert_11 Start: 7936, Stop: 8844, Start Num: 34

Candidate Starts for DrRobert_11:

(Start: 34 @7936 has 138 MA's), (62, 8092), (86, 8251), (87, 8254), (91, 8272), (128, 8434), (148, 8584), (149, 8608), (150, 8638), (157, 8695),

Gene: DreamTeam_11 Start: 8003, Stop: 8911, Start Num: 34

Candidate Starts for DreamTeam_11:

(Start: 34 @8003 has 138 MA's), (62, 8159), (77, 8264), (84, 8312), (86, 8318), (87, 8321), (128, 8501), (131, 8510), (144, 8597), (145, 8621), (149, 8675), (150, 8705), (152, 8723), (157, 8762),

Gene: Durfee_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Durfee_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: ECartman_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for ECartman_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Ecliptus_13 Start: 7565, Stop: 8158, Start Num: 39

Candidate Starts for Ecliptus_13:

(Start: 39 @7565 has 10 MA's), (44, 7586), (49, 7610), (69, 7778), (71, 7784), (81, 7844), (86, 7880), (87, 7883), (95, 7919),

Gene: Edugator_15 Start: 10501, Stop: 11112, Start Num: 28

Candidate Starts for Edugator_15:

(Start: 28 @10501 has 134 MA's), (Start: 40 @10546 has 1 MA's), (74, 10780), (78, 10795), (81, 10810), (93, 10879), (95, 10885), (102, 10924), (108, 10951), (121, 11008), (124, 11023), (132, 11047), (136, 11077),

Gene: Eesa_13 Start: 8964, Stop: 9548, Start Num: 34

Candidate Starts for Eesa_13:

(Start: 34 @8964 has 138 MA's), (84, 9273), (118, 9432), (134, 9501), (137, 9513),

Gene: Efra2_18 Start: 9439, Stop: 10053, Start Num: 28

Candidate Starts for Efra2_18:

(Start: 28 @9439 has 134 MA's), (62, 9622), (67, 9661), (74, 9718), (81, 9748), (84, 9778), (93, 9817), (95, 9823), (102, 9862), (105, 9874), (121, 9946), (132, 9985), (136, 10015), (139, 10036),

Gene: Ekdilam_15 Start: 10249, Stop: 10860, Start Num: 28

Candidate Starts for Ekdilam_15:

(Start: 28 @10249 has 134 MA's), (Start: 40 @10291 has 1 MA's), (63, 10435), (67, 10468), (74, 10525), (78, 10540), (93, 10624), (95, 10630), (102, 10669), (105, 10681), (124, 10768), (132, 10792), (136, 10822),

Gene: Ellie_15 Start: 10291, Stop: 10902, Start Num: 28

Candidate Starts for Ellie_15:

(Start: 10 @10186 has 1 MA's), (15, 10249), (17, 10258), (Start: 28 @10291 has 134 MA's), (Start: 40 @10333 has 1 MA's), (61, 10456), (63, 10477), (67, 10510), (74, 10567), (78, 10582), (93, 10666), (95, 10672), (102, 10711), (105, 10723), (112, 10750), (124, 10810), (132, 10834),

Gene: Elva_13 Start: 8634, Stop: 9431, Start Num: 34

Candidate Starts for Elva_13:

(Start: 34 @8634 has 138 MA's), (36, 8640), (51, 8718), (61, 8784), (62, 8799), (86, 8958), (93, 8991), (102, 9036), (113, 9078), (147, 9276), (155, 9384),

Gene: Emerson_18 Start: 10504, Stop: 11115, Start Num: 25

Candidate Starts for Emerson_18:

(Start: 25 @10504 has 102 MA's), (Start: 40 @10546 has 1 MA's), (67, 10723), (74, 10780), (78, 10795), (93, 10879), (95, 10885), (102, 10924), (105, 10936), (112, 10963), (121, 11008), (124, 11023), (132, 11047), (142, 11104),

Gene: Enkosi_14 Start: 9777, Stop: 10388, Start Num: 25

Candidate Starts for Enkosi_14:

(Start: 25 @9777 has 102 MA's), (Start: 34 @9798 has 138 MA's), (Start: 40 @9819 has 1 MA's), (61, 9942), (62, 9957), (67, 9996), (74, 10053), (78, 10068), (84, 10113), (93, 10152), (95, 10158), (102, 10197), (105, 10209), (121, 10281), (124, 10296), (132, 10320), (136, 10350),

Gene: Eponine_19 Start: 11592, Stop: 12203, Start Num: 28

Candidate Starts for Eponine_19:

(Start: 28 @11592 has 134 MA's), (46, 11658), (48, 11664), (55, 11712), (62, 11769), (63, 11775), (66, 11796), (67, 11808), (74, 11865), (78, 11880), (81, 11895), (93, 11964), (95, 11970), (108, 12036), (121, 12093), (124, 12108), (132, 12132), (136, 12162),

Gene: EstebanJulior_11 Start: 7982, Stop: 8890, Start Num: 34

Candidate Starts for EstebanJulior_11:

(20, 7931), (22, 7934), (Start: 34 @7982 has 138 MA's), (Start: 40 @8003 has 1 MA's), (62, 8138), (77, 8243), (87, 8300), (122, 8453), (128, 8480), (140, 8555), (144, 8576), (149, 8654), (150, 8684), (151, 8690), (157, 8741),

Gene: Eula_12 Start: 8321, Stop: 9118, Start Num: 34

Candidate Starts for Eula_12:

(7, 8135), (Start: 28 @8291 has 134 MA's), (Start: 34 @8321 has 138 MA's), (36, 8327), (61, 8468), (62, 8483), (93, 8675), (102, 8720), (113, 8762), (147, 8963),

Gene: Eunoia_11 Start: 7979, Stop: 8884, Start Num: 34

Candidate Starts for Eunoia_11:

(Start: 34 @7979 has 138 MA's), (58, 8090), (62, 8135), (87, 8297), (103, 8366), (127, 8471), (128, 8474), (133, 8489), (149, 8648), (150, 8678), (152, 8696), (157, 8735), (159, 8813),

Gene: FF47_15 Start: 9310, Stop: 9951, Start Num: 28

Candidate Starts for FF47_15:

(Start: 28 @9310 has 134 MA's), (Start: 38 @9343 has 15 MA's), (Start: 40 @9352 has 1 MA's), (56, 9436), (61, 9475), (62, 9490), (77, 9595), (81, 9616), (82, 9625), (84, 9646), (93, 9685), (97, 9709), (117, 9796), (121, 9814), (123, 9826), (126, 9835),

Gene: Fefferhead_17 Start: 10458, Stop: 11069, Start Num: 28

Candidate Starts for Fefferhead_17:

(Start: 10 @10353 has 1 MA's), (15, 10416), (17, 10425), (Start: 28 @10458 has 134 MA's), (Start: 40 @10500 has 1 MA's), (61, 10623), (63, 10644), (67, 10677), (74, 10734), (78, 10749), (93, 10833), (95, 10839), (102, 10878), (105, 10890), (112, 10917), (124, 10977), (132, 11001),

Gene: Feyre_16 Start: 10448, Stop: 11059, Start Num: 28

Candidate Starts for Feyre_16:

(Start: 28 @10448 has 134 MA's), (Start: 40 @10493 has 1 MA's), (49, 10535), (67, 10670), (74, 10727), (78, 10742), (81, 10757), (93, 10826), (95, 10832), (102, 10871), (105, 10883), (108, 10898), (117, 10937), (121, 10955), (124, 10970), (132, 10994), (136, 11024),

Gene: Finalfrontier_13 Start: 8833, Stop: 9630, Start Num: 34

Candidate Starts for Finalfrontier_13:

(6, 8629), (7, 8647), (Start: 28 @8803 has 134 MA's), (Start: 34 @8833 has 138 MA's), (36, 8839), (61, 8980), (62, 8995), (93, 9187), (113, 9274), (147, 9475),

Gene: Findley_14 Start: 8532, Stop: 9146, Start Num: 24

Candidate Starts for Findley_14:

(Start: 24 @8532 has 8 MA's), (Start: 38 @8571 has 15 MA's), (Start: 40 @8580 has 1 MA's), (74, 8814), (78, 8829), (81, 8844), (84, 8874), (93, 8913), (95, 8919), (101, 8955), (105, 8970), (112, 8997), (121, 9042), (124, 9057), (132, 9081),

Gene: Fionnbharth_19 Start: 11717, Stop: 12328, Start Num: 28

Candidate Starts for Fionnbharth_19:

(Start: 28 @11717 has 134 MA's), (46, 11783), (48, 11789), (55, 11837), (62, 11894), (63, 11900), (66, 11921), (67, 11933), (74, 11990), (78, 12005), (93, 12089), (95, 12095), (102, 12134), (105, 12146), (108, 12161), (121, 12218), (124, 12233), (132, 12257), (136, 12287),

Gene: FlagStaff_13 Start: 9947, Stop: 10567, Start Num: 28

Candidate Starts for FlagStaff_13:

(Start: 28 @9947 has 134 MA's), (45, 10022), (55, 10079), (61, 10121), (62, 10136), (74, 10232), (78, 10247), (82, 10271), (93, 10331), (97, 10355), (108, 10403), (116, 10433), (124, 10475), (132, 10499), (136, 10529),

Gene: Fluke_15 Start: 10844, Stop: 11752, Start Num: 34

Candidate Starts for Fluke_15:

(Start: 34 @10844 has 138 MA's), (62, 11000), (77, 11105), (87, 11162), (128, 11342), (133, 11357), (149, 11516), (150, 11546), (157, 11603),

Gene: Frickyeah_13 Start: 7514, Stop: 8086, Start Num: 37

Candidate Starts for Frickyeah_13:

(Start: 37 @7514 has 21 MA's), (42, 7535), (47, 7556), (49, 7568), (70, 7727), (77, 7769), (83, 7802), (125, 7991), (143, 8075),

Gene: Frosty24_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Frosty24_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Fryberger_45 Start: 16970, Stop: 17527, Start Num: 38

Candidate Starts for Fryberger_45:

(Start: 38 @16970 has 15 MA's), (42, 16988), (53, 17051), (84, 17276), (92, 17294), (95, 17303), (102, 17342), (105, 17354), (123, 17441),

Gene: Gaia_10 Start: 8073, Stop: 8660, Start Num: 37

Candidate Starts for Gaia_10:

(Start: 37 @8073 has 21 MA's), (53, 8154), (60, 8193), (64, 8235), (71, 8289), (76, 8325), (95, 8424), (99, 8454), (118, 8544), (130, 8586), (135, 8619),

Gene: Ganymede_19 Start: 10521, Stop: 11135, Start Num: 25

Candidate Starts for Ganymede_19:

(Start: 25 @10521 has 102 MA's), (Start: 40 @10566 has 1 MA's), (61, 10689), (67, 10743), (74, 10800), (78, 10815), (93, 10899), (95, 10905), (102, 10944), (105, 10956), (112, 10983), (121, 11028), (124, 11043), (132, 11067),

Gene: Gengar_16 Start: 10555, Stop: 11166, Start Num: 28

Candidate Starts for Gengar_16:

(Start: 28 @10555 has 134 MA's), (Start: 40 @10600 has 1 MA's), (67, 10777), (74, 10834), (78, 10849), (81, 10864), (93, 10933), (95, 10939), (102, 10978), (105, 10990), (108, 11005), (117, 11044),

(121, 11062), (124, 11077), (132, 11101), (136, 11131),

Gene: Geraldini_18 Start: 10524, Stop: 11135, Start Num: 25

Candidate Starts for Geraldini_18:

(Start: 25 @10524 has 102 MA's), (Start: 40 @10566 has 1 MA's), (61, 10689), (67, 10743), (74, 10800), (78, 10815), (93, 10899), (95, 10905), (102, 10944), (105, 10956), (112, 10983), (121, 11028), (124, 11043), (132, 11067),

Gene: Getalong_13 Start: 7496, Stop: 8068, Start Num: 37

Candidate Starts for Getalong_13:

(Start: 37 @7496 has 21 MA's), (42, 7517), (47, 7538), (49, 7550), (70, 7709), (77, 7751), (83, 7784), (125, 7973), (143, 8057),

Gene: Gideon_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Gideon_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Gisselle_11 Start: 8003, Stop: 8911, Start Num: 34

Candidate Starts for Gisselle_11:

(Start: 34 @8003 has 138 MA's), (62, 8159), (77, 8264), (84, 8312), (86, 8318), (87, 8321), (128, 8501), (131, 8510), (144, 8597), (145, 8621), (149, 8675), (150, 8705), (152, 8723), (157, 8762),

Gene: Glenn_15 Start: 10854, Stop: 11762, Start Num: 34

Candidate Starts for Glenn_15:

(Start: 34 @10854 has 138 MA's), (62, 11010), (77, 11115), (87, 11172), (128, 11352), (133, 11367), (148, 11502), (149, 11526), (150, 11556), (157, 11613),

Gene: GoldenAsh_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for GoldenAsh_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Gomashi_13 Start: 9855, Stop: 10469, Start Num: 28

Candidate Starts for Gomashi_13:

(Start: 28 @9855 has 134 MA's), (Start: 40 @9900 has 1 MA's), (45, 9924), (59, 10002), (61, 10023), (62, 10038), (74, 10134), (78, 10149), (82, 10173), (84, 10194), (93, 10233), (97, 10257), (98, 10266), (102, 10278), (116, 10335), (121, 10362), (124, 10377), (132, 10401),

Gene: GreenHearts_15 Start: 10949, Stop: 11857, Start Num: 34

Candidate Starts for GreenHearts_15:

(9, 10799), (Start: 19 @10892 has 2 MA's), (Start: 34 @10949 has 138 MA's), (62, 11105), (77, 11210), (84, 11258), (128, 11447), (149, 11621), (150, 11651), (156, 11702), (157, 11708),

Gene: Greenhouse_15 Start: 10873, Stop: 11781, Start Num: 33

Candidate Starts for Greenhouse_15:

(Start: 33 @10873 has 9 MA's), (62, 11029), (77, 11134), (84, 11182), (128, 11371), (149, 11545), (150, 11575), (156, 11626), (157, 11632),

Gene: Grizzly_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Grizzly_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (81, 10163), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Guanica15_18 Start: 9455, Stop: 10069, Start Num: 28

Candidate Starts for Guanica15_18:

(Start: 28 @9455 has 134 MA's), (62, 9638), (67, 9677), (74, 9734), (81, 9764), (84, 9794), (93, 9833), (95, 9839), (102, 9878), (105, 9890), (121, 9962), (132, 10001), (136, 10031), (139, 10052),

Gene: Guey18_50 Start: 18163, Stop: 18720, Start Num: 38

Candidate Starts for Guey18_50:

(Start: 38 @18163 has 15 MA's), (42, 18181), (53, 18244), (84, 18469), (92, 18487), (95, 18496), (102, 18535), (105, 18547), (123, 18634),

Gene: Guillsminger_16 Start: 10530, Stop: 11141, Start Num: 28

Candidate Starts for Guillsminger_16:

(Start: 28 @10530 has 134 MA's), (Start: 40 @10575 has 1 MA's), (67, 10752), (74, 10809), (78, 10824), (81, 10839), (93, 10908), (95, 10914), (102, 10953), (105, 10965), (108, 10980), (117, 11019), (121, 11037), (124, 11052), (132, 11076), (136, 11106),

Gene: Halo_13 Start: 9849, Stop: 10463, Start Num: 28

Candidate Starts for Halo_13:

(Start: 28 @9849 has 134 MA's), (Start: 40 @9894 has 1 MA's), (45, 9918), (61, 10017), (62, 10032), (74, 10128), (78, 10143), (81, 10158), (82, 10167), (84, 10188), (93, 10227), (97, 10251), (98, 10260), (102, 10272), (116, 10329), (121, 10356), (124, 10371), (132, 10395),

Gene: Hammy_17 Start: 10525, Stop: 11139, Start Num: 28

Candidate Starts for Hammy_17:

(Start: 28 @10525 has 134 MA's), (Start: 34 @10549 has 138 MA's), (Start: 40 @10570 has 1 MA's), (63, 10714), (67, 10747), (74, 10804), (78, 10819), (93, 10903), (95, 10909), (102, 10948), (105, 10960), (112, 10987), (124, 11047), (132, 11071), (136, 11101),

Gene: HannahPhantana_14 Start: 8967, Stop: 9548, Start Num: 34

Candidate Starts for HannahPhantana_14:

(Start: 34 @8967 has 138 MA's), (Start: 40 @8988 has 1 MA's), (57, 9075), (62, 9123), (84, 9276), (102, 9360), (111, 9396), (113, 9402), (118, 9435), (134, 9504),

Gene: HeadNerd_11 Start: 7938, Stop: 8846, Start Num: 34

Candidate Starts for HeadNerd_11:

(Start: 34 @7938 has 138 MA's), (62, 8094), (77, 8199), (87, 8256), (128, 8436), (133, 8451), (144, 8532), (149, 8610), (150, 8640), (152, 8658), (157, 8697),

Gene: HedwigODU_18 Start: 10504, Stop: 11118, Start Num: 25

Candidate Starts for HedwigODU_18:

(Start: 25 @10504 has 102 MA's), (Start: 40 @10549 has 1 MA's), (61, 10672), (67, 10726), (74, 10783), (78, 10798), (93, 10882), (95, 10888), (102, 10927), (105, 10939), (112, 10966), (121, 11011), (124, 11026), (132, 11050), (142, 11107),

Gene: Heftyboy_16 Start: 10657, Stop: 11268, Start Num: 28

Candidate Starts for Heftyboy_16:

(Start: 28 @10657 has 134 MA's), (Start: 40 @10702 has 1 MA's), (67, 10879), (74, 10936), (78, 10951), (81, 10966), (93, 11035), (95, 11041), (102, 11080), (108, 11107), (117, 11146), (121, 11164), (124, 11179), (132, 11203), (136, 11233),

Gene: Herb_11 Start: 7981, Stop: 8886, Start Num: 34

Candidate Starts for Herb_11:

(Start: 34 @7981 has 138 MA's), (62, 8137), (71, 8203), (77, 8242), (84, 8290), (87, 8299), (128, 8476), (144, 8572), (149, 8650), (150, 8680), (157, 8737),

Gene: Hilltopfarm_19 Start: 12517, Stop: 13158, Start Num: 19

Candidate Starts for Hilltopfarm_19:

(Start: 19 @12517 has 2 MA's), (29, 12547), (Start: 35 @12577 has 2 MA's), (47, 12622), (70, 12793), (79, 12844), (81, 12856), (84, 12886), (102, 12970), (109, 13000), (121, 13054), (142, 13147),

Gene: Holliday_13 Start: 7501, Stop: 8073, Start Num: 37

Candidate Starts for Holliday_13:

(Start: 37 @7501 has 21 MA's), (42, 7522), (47, 7543), (49, 7555), (70, 7714), (77, 7756), (83, 7789), (125, 7978), (143, 8062),

Gene: Homura_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Homura_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: Hope_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Hope_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Horus_13 Start: 7514, Stop: 8086, Start Num: 37

Candidate Starts for Horus_13:

(Start: 37 @7514 has 21 MA's), (42, 7535), (47, 7556), (49, 7568), (70, 7727), (77, 7769), (83, 7802), (125, 7991), (143, 8075),

Gene: Hotshotbaby7_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Hotshotbaby7_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Huckleberry_11 Start: 7938, Stop: 8846, Start Num: 34

Candidate Starts for Huckleberry_11:

(Start: 34 @7938 has 138 MA's), (62, 8094), (77, 8199), (87, 8256), (128, 8436), (133, 8451), (144, 8532), (149, 8610), (150, 8640), (152, 8658), (157, 8697),

Gene: HunterDalle_11 Start: 7979, Stop: 8884, Start Num: 34

Candidate Starts for HunterDalle_11:

(Start: 34 @7979 has 138 MA's), (62, 8135), (87, 8297), (103, 8366), (127, 8471), (128, 8474), (133, 8489), (149, 8648), (150, 8678), (152, 8696), (157, 8735), (158, 8795), (159, 8813),

Gene: Huntingdon_15 Start: 10859, Stop: 11767, Start Num: 33

Candidate Starts for Huntingdon_15:

(Start: 33 @10859 has 9 MA's), (62, 11015), (77, 11120), (84, 11168), (128, 11357), (131, 11366), (140, 11432), (149, 11531), (150, 11561), (156, 11612), (157, 11618),

Gene: Hurricane_17 Start: 10577, Stop: 11188, Start Num: 27

Candidate Starts for Hurricane_17:

(Start: 27 @10577 has 6 MA's), (Start: 40 @10622 has 1 MA's), (67, 10799), (74, 10856), (78, 10871), (84, 10916), (93, 10955), (95, 10961), (96, 10964), (102, 11000), (105, 11012), (108, 11027), (121, 11084), (124, 11099), (132, 11123),

Gene: Hyperbowlee_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Hyperbowlee_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: Icarian_13 Start: 8561, Stop: 9358, Start Num: 34

Candidate Starts for Icarian_13:

(Start: 34 @8561 has 138 MA's), (36, 8567), (51, 8645), (61, 8711), (62, 8726), (93, 8918), (102, 8963), (147, 9203),

Gene: Illumine_18 Start: 10494, Stop: 11108, Start Num: 25

Candidate Starts for Illumine_18:

(Start: 25 @10494 has 102 MA's), (Start: 40 @10539 has 1 MA's), (61, 10662), (67, 10716), (74, 10773), (78, 10788), (84, 10833), (93, 10872), (95, 10878), (102, 10917), (105, 10929), (112, 10956), (121, 11001), (124, 11016), (132, 11040),

Gene: Immaculata_15 Start: 10848, Stop: 11756, Start Num: 34

Candidate Starts for Immaculata_15:

(Start: 34 @10848 has 138 MA's), (62, 11004), (77, 11109), (87, 11166), (128, 11346), (133, 11361), (148, 11496), (149, 11520), (150, 11550), (157, 11607),

Gene: IndyLu_12 Start: 8371, Stop: 9165, Start Num: 34

Candidate Starts for IndyLu_12:

(Start: 34 @8371 has 138 MA's), (61, 8518), (62, 8533), (93, 8725), (102, 8770), (113, 8812), (147, 9010),

Gene: Inky_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Inky_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: InvictusManeo_16 Start: 10628, Stop: 11239, Start Num: 28

Candidate Starts for InvictusManeo_16:

(Start: 28 @10628 has 134 MA's), (Start: 40 @10673 has 1 MA's), (67, 10850), (74, 10907), (78, 10922), (81, 10937), (93, 11006), (95, 11012), (102, 11051), (108, 11078), (121, 11135), (124, 11150), (132, 11174), (136, 11204),

Gene: JAWS_18 Start: 10498, Stop: 11109, Start Num: 25

Candidate Starts for JAWS_18:

(Start: 25 @10498 has 102 MA's), (Start: 40 @10540 has 1 MA's), (61, 10663), (67, 10717), (74, 10774), (78, 10789), (93, 10873), (95, 10879), (102, 10918), (105, 10930), (112, 10957), (121, 11002), (124, 11017), (132, 11041), (142, 11098),

Gene: JF1_19 Start: 11716, Stop: 12327, Start Num: 28

Candidate Starts for JF1_19:

(Start: 28 @11716 has 134 MA's), (46, 11782), (48, 11788), (55, 11836), (62, 11893), (63, 11899), (66, 11920), (67, 11932), (78, 12004), (93, 12088), (95, 12094), (102, 12133), (105, 12145), (108, 12160), (121, 12217), (124, 12232), (132, 12256), (136, 12286),

Gene: Jabbawokkie_15 Start: 8202, Stop: 8795, Start Num: 38

Candidate Starts for Jabbawokkie_15:

(Start: 38 @8202 has 15 MA's), (42, 8220), (61, 8337), (65, 8376), (73, 8442), (81, 8475), (83, 8487), (86, 8511), (102, 8583), (104, 8592), (106, 8604), (110, 8616), (116, 8640), (118, 8658),

Gene: JacoRen57_12 Start: 8388, Stop: 9011, Start Num: 28

Candidate Starts for JacoRen57_12:

(Start: 28 @8388 has 134 MA's), (61, 8550), (68, 8622), (93, 8769), (97, 8793), (102, 8814), (132, 8937), (139, 8988),

Gene: Jane_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Jane_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Jarvi_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Jarvi_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: Jayhawk_18 Start: 10505, Stop: 11119, Start Num: 25

Candidate Starts for Jayhawk_18:

(Start: 25 @10505 has 102 MA's), (Start: 40 @10550 has 1 MA's), (61, 10673), (67, 10727), (74, 10784), (78, 10799), (93, 10883), (95, 10889), (102, 10928), (105, 10940), (112, 10967), (121, 11012), (124, 11027), (132, 11051), (142, 11108),

Gene: Jeckyll_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Jeckyll_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: Jerole_14 Start: 8964, Stop: 9545, Start Num: 34

Candidate Starts for Jerole_14:

(Start: 34 @8964 has 138 MA's), (Start: 40 @8985 has 1 MA's), (57, 9072), (62, 9120), (84, 9273), (102, 9357), (111, 9393), (113, 9399), (118, 9432), (134, 9501),

Gene: Joann_15 Start: 10851, Stop: 11759, Start Num: 33

Candidate Starts for Joann_15:

(Start: 33 @10851 has 9 MA's), (62, 11007), (77, 11112), (84, 11160), (128, 11349), (141, 11427), (149, 11523), (150, 11553), (156, 11604), (157, 11610),

Gene: Johnathan_12 Start: 8320, Stop: 9117, Start Num: 34

Candidate Starts for Johnathan_12:

(3, 8020), (6, 8116), (7, 8134), (8, 8143), (13, 8236), (Start: 28 @8290 has 134 MA's), (Start: 34 @8320 has 138 MA's), (36, 8326), (61, 8467), (62, 8482), (93, 8674), (113, 8761), (147, 8962), (153,

9058),

Gene: Jolene_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Jolene_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Jolie2_13 Start: 9130, Stop: 9750, Start Num: 28

Candidate Starts for Jolie2_13:

(Start: 28 @9130 has 134 MA's), (45, 9205), (55, 9262), (62, 9319), (74, 9415), (78, 9430), (81, 9445), (84, 9475), (93, 9514), (97, 9538), (108, 9586), (116, 9616), (124, 9658), (135, 9709),

Gene: Jonghyun_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Jonghyun_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: JorRay_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for JorRay_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Jovita_12 Start: 8422, Stop: 9219, Start Num: 34

Candidate Starts for Jovita_12:

(6, 8218), (7, 8236), (Start: 28 @8392 has 134 MA's), (Start: 34 @8422 has 138 MA's), (36, 8428), (61, 8569), (62, 8584), (93, 8776), (102, 8821), (113, 8863), (147, 9064),

Gene: Joy99_18 Start: 10470, Stop: 11084, Start Num: 25

Candidate Starts for Joy99_18:

(Start: 25 @10470 has 102 MA's), (Start: 40 @10515 has 1 MA's), (61, 10638), (67, 10692), (74, 10749), (78, 10764), (93, 10848), (95, 10854), (102, 10893), (105, 10905), (112, 10932), (121, 10977), (124, 10992), (132, 11016), (142, 11073),

Gene: Juliette_19 Start: 11592, Stop: 12203, Start Num: 28

Candidate Starts for Juliette_19:

(Start: 28 @11592 has 134 MA's), (46, 11658), (48, 11664), (55, 11712), (62, 11769), (63, 11775), (66, 11796), (67, 11808), (74, 11865), (78, 11880), (81, 11895), (93, 11964), (95, 11970), (108, 12036), (121, 12093), (124, 12108), (132, 12132), (136, 12162),

Gene: Jumboset_15 Start: 10797, Stop: 11705, Start Num: 34

Candidate Starts for Jumboset_15:

(Start: 34 @10797 has 138 MA's), (62, 10953), (77, 11058), (87, 11115), (128, 11295), (133, 11310), (148, 11445), (149, 11469), (150, 11499), (157, 11556),

Gene: Juno112_12 Start: 8379, Stop: 8960, Start Num: 34

Candidate Starts for Juno112_12:

(Start: 34 @8379 has 138 MA's), (Start: 40 @8400 has 1 MA's), (84, 8688), (102, 8772), (112, 8811), (113, 8814), (118, 8847), (134, 8916), (140, 8946),

Gene: KHumphrey_12 Start: 8378, Stop: 8959, Start Num: 34

Candidate Starts for KHumphrey_12:

(Start: 34 @8378 has 138 MA's), (Start: 40 @8399 has 1 MA's), (84, 8687), (102, 8771), (112, 8810), (113, 8813), (118, 8846), (134, 8915), (140, 8945),

Gene: Kalizoi_15 Start: 10796, Stop: 11704, Start Num: 34

Candidate Starts for Kalizoi_15:

(Start: 34 @10796 has 138 MA's), (62, 10952), (77, 11057), (87, 11114), (128, 11294), (133, 11309), (148, 11444), (149, 11468), (150, 11498), (157, 11555),

Gene: Kamaru_13 Start: 7501, Stop: 8073, Start Num: 37

Candidate Starts for Kamaru_13:

(Start: 37 @7501 has 21 MA's), (42, 7522), (47, 7543), (49, 7555), (70, 7714), (77, 7756), (83, 7789), (125, 7978), (143, 8062),

Gene: Kareem_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Kareem_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Kasen3_13 Start: 9855, Stop: 10469, Start Num: 28

Candidate Starts for Kasen3_13:

(Start: 28 @9855 has 134 MA's), (Start: 40 @9900 has 1 MA's), (45, 9924), (59, 10002), (61, 10023), (62, 10038), (74, 10134), (78, 10149), (82, 10173), (84, 10194), (93, 10233), (97, 10257), (98, 10266), (102, 10278), (116, 10335), (121, 10362), (124, 10377), (132, 10401),

Gene: Kate33_12 Start: 8370, Stop: 9164, Start Num: 34

Candidate Starts for Kate33_12:

(Start: 34 @8370 has 138 MA's), (61, 8517), (62, 8532), (93, 8724), (102, 8769), (113, 8811), (147, 9009),

Gene: Keelan_43 Start: 16946, Stop: 17503, Start Num: 38

Candidate Starts for Keelan_43:

(Start: 38 @16946 has 15 MA's), (42, 16964), (68, 17153), (95, 17279), (102, 17318), (116, 17378), (123, 17417),

Gene: Kenna_13 Start: 7514, Stop: 8086, Start Num: 37

Candidate Starts for Kenna_13:

(Start: 37 @7514 has 21 MA's), (42, 7535), (47, 7556), (49, 7568), (70, 7727), (77, 7769), (83, 7802), (125, 7991), (143, 8075),

Gene: Kenzers_12 Start: 8337, Stop: 9134, Start Num: 34

Candidate Starts for Kenzers_12:

(5, 8130), (6, 8133), (7, 8151), (13, 8253), (Start: 28 @8307 has 134 MA's), (Start: 34 @8337 has 138 MA's), (36, 8343), (61, 8484), (62, 8499), (93, 8691), (113, 8778), (147, 8979), (153, 9075),

Gene: Kepler_13 Start: 8802, Stop: 9383, Start Num: 34

Candidate Starts for Kepler_13:

(Start: 34 @8802 has 138 MA's), (Start: 40 @8823 has 1 MA's), (57, 8910), (62, 8958), (84, 9111), (102, 9195), (111, 9231), (113, 9237), (118, 9270), (134, 9339),

Gene: Keshu_17 Start: 10564, Stop: 11175, Start Num: 27

Candidate Starts for Keshu_17:

(Start: 27 @10564 has 6 MA's), (Start: 40 @10609 has 1 MA's), (67, 10786), (74, 10843), (78, 10858), (84, 10903), (93, 10942), (95, 10948), (96, 10951), (102, 10987), (105, 10999), (108, 11014), (121, 11071), (124, 11086), (132, 11110),

Gene: KiSi_17 Start: 9433, Stop: 10044, Start Num: 25

Candidate Starts for KiSi_17:

(Start: 25 @9433 has 102 MA's), (Start: 40 @9475 has 1 MA's), (74, 9709), (78, 9724), (81, 9739), (84, 9769), (93, 9808), (95, 9814), (102, 9853), (105, 9865), (121, 9937), (124, 9952), (132, 9976), (136, 10006), (139, 10027),

Gene: Kieran_12 Start: 8559, Stop: 9353, Start Num: 34

Candidate Starts for Kieran_12:

(Start: 34 @8559 has 138 MA's), (36, 8565), (50, 8634), (61, 8706), (62, 8721), (93, 8913), (102, 8958), (113, 9000), (116, 9015), (139, 9132), (147, 9198), (155, 9306),

Gene: KingBob_11 Start: 7981, Stop: 8886, Start Num: 34

Candidate Starts for KingBob_11:

(Start: 34 @7981 has 138 MA's), (62, 8137), (71, 8203), (77, 8242), (84, 8290), (87, 8299), (128, 8476), (144, 8572), (149, 8650), (150, 8680), (157, 8737),

Gene: Kittykat_11 Start: 7979, Stop: 8887, Start Num: 34

Candidate Starts for Kittykat_11:

(Start: 34 @7979 has 138 MA's), (62, 8135), (77, 8240), (86, 8294), (87, 8297), (128, 8477), (131, 8486), (144, 8573), (145, 8597), (149, 8651), (150, 8681), (152, 8699), (157, 8738),

Gene: Korra_15 Start: 10802, Stop: 11710, Start Num: 34

Candidate Starts for Korra_15:

(Start: 34 @10802 has 138 MA's), (62, 10958), (77, 11063), (87, 11120), (128, 11300), (132, 11312), (133, 11315), (148, 11450), (149, 11474), (150, 11504), (157, 11561),

Gene: Kratio_15 Start: 10255, Stop: 10866, Start Num: 28

Candidate Starts for Kratio_15:

(Start: 28 @10255 has 134 MA's), (Start: 40 @10300 has 1 MA's), (74, 10534), (78, 10549), (81, 10564), (93, 10633), (95, 10639), (102, 10678), (108, 10705), (121, 10762), (124, 10777), (132, 10801), (136, 10831),

Gene: Kraw_19 Start: 11636, Stop: 12247, Start Num: 28

Candidate Starts for Kraw_19:

(Start: 28 @11636 has 134 MA's), (46, 11702), (48, 11708), (55, 11756), (62, 11813), (63, 11819), (66, 11840), (67, 11852), (74, 11909), (78, 11924), (93, 12008), (95, 12014), (102, 12053), (105, 12065), (108, 12080), (124, 12152), (132, 12176), (136, 12206),

Gene: Krueger_17 Start: 9483, Stop: 10097, Start Num: 25

Candidate Starts for Krueger_17:

(Start: 25 @9483 has 102 MA's), (Start: 40 @9528 has 1 MA's), (67, 9705), (74, 9762), (78, 9777), (81, 9792), (84, 9822), (93, 9861), (95, 9867), (124, 10005), (133, 10032), (139, 10080),

Gene: Kuleana_13 Start: 8760, Stop: 9341, Start Num: 34

Candidate Starts for Kuleana_13:

(Start: 34 @8760 has 138 MA's), (Start: 40 @8781 has 1 MA's), (60, 8886), (62, 8916), (84, 9069), (102, 9153), (112, 9192), (118, 9228), (130, 9270), (134, 9297),

Gene: Kuwabara_13 Start: 7836, Stop: 8429, Start Num: 39

Candidate Starts for Kuwabara_13:

(Start: 39 @7836 has 10 MA's), (44, 7857), (49, 7881), (63, 7995), (71, 8055), (74, 8085), (80, 8109), (81, 8115), (86, 8151), (87, 8154), (95, 8190), (102, 8229), (128, 8340),

Gene: Lahqtemish_12 Start: 8417, Stop: 9211, Start Num: 34

Candidate Starts for Lahqtemish_12:

(Start: 34 @8417 has 138 MA's), (61, 8564), (62, 8579), (93, 8771), (102, 8816), (113, 8858), (147, 9056),

Gene: Lakshmi_15 Start: 10878, Stop: 11786, Start Num: 33

Candidate Starts for Lakshmi_15:

(Start: 33 @10878 has 9 MA's), (62, 11034), (77, 11139), (84, 11187), (128, 11376), (149, 11550), (150, 11580), (156, 11631), (157, 11637),

Gene: Larva_16 Start: 10368, Stop: 10979, Start Num: 28

Candidate Starts for Larva_16:

(Start: 28 @10368 has 134 MA's), (Start: 40 @10413 has 1 MA's), (74, 10647), (78, 10662), (81, 10677), (93, 10746), (95, 10752), (102, 10791), (105, 10803), (108, 10818), (121, 10875), (124, 10890), (132, 10914), (136, 10944),

Gene: Lasagna_11 Start: 7936, Stop: 8844, Start Num: 34

Candidate Starts for Lasagna_11:

(Start: 34 @7936 has 138 MA's), (62, 8092), (86, 8251), (87, 8254), (91, 8272), (128, 8434), (149, 8608), (150, 8638), (157, 8695),

Gene: LastHope_18 Start: 9529, Stop: 10143, Start Num: 28

Candidate Starts for LastHope_18:

(Start: 28 @9529 has 134 MA's), (Start: 40 @9574 has 1 MA's), (52, 9640), (62, 9712), (67, 9751), (74, 9808), (81, 9838), (84, 9868), (93, 9907), (95, 9913), (96, 9916), (102, 9952), (121, 10036), (132, 10075), (136, 10105), (139, 10126),

Gene: LaterM_18 Start: 10463, Stop: 11074, Start Num: 26

Candidate Starts for LaterM_18:

(Start: 26 @10463 has 5 MA's), (Start: 40 @10505 has 1 MA's), (61, 10628), (67, 10682), (74, 10739), (78, 10754), (84, 10799), (93, 10838), (95, 10844), (102, 10883), (105, 10895), (112, 10922), (121, 10967), (124, 10982), (132, 11006),

Gene: LeMond_17 Start: 9505, Stop: 10116, Start Num: 25

Candidate Starts for LeMond_17:

(Start: 25 @9505 has 102 MA's), (Start: 40 @9547 has 1 MA's), (74, 9781), (78, 9796), (81, 9811), (84, 9841), (93, 9880), (95, 9886), (102, 9925), (105, 9937), (121, 10009), (124, 10024), (132, 10048), (136, 10078), (139, 10099),

Gene: Lemuria_13 Start: 9183, Stop: 9803, Start Num: 28

Candidate Starts for Lemuria_13:

(Start: 28 @9183 has 134 MA's), (Start: 40 @9234 has 1 MA's), (45, 9258), (55, 9315), (61, 9357), (62, 9372), (74, 9468), (78, 9483), (81, 9498), (82, 9507), (84, 9528), (93, 9567), (97, 9591), (102, 9612), (108, 9639), (115, 9663), (116, 9669), (124, 9711),

Gene: Lennox_11 Start: 7936, Stop: 8844, Start Num: 34

Candidate Starts for Lennox_11:

(Start: 34 @7936 has 138 MA's), (62, 8092), (86, 8251), (87, 8254), (128, 8434), (148, 8584), (149, 8608), (150, 8638), (157, 8695),

Gene: Leona_12 Start: 8429, Stop: 9010, Start Num: 34

Candidate Starts for Leona_12:

(Start: 34 @8429 has 138 MA's), (Start: 40 @8450 has 1 MA's), (84, 8738), (102, 8822), (112, 8861), (113, 8864), (118, 8897), (134, 8966), (140, 8996),

Gene: Leroy_13 Start: 7515, Stop: 8087, Start Num: 37

Candidate Starts for Leroy_13:

(Start: 37 @7515 has 21 MA's), (42, 7536), (47, 7557), (49, 7569), (70, 7728), (77, 7770), (83, 7803), (125, 7992), (143, 8076),

Gene: Leston_16 Start: 10660, Stop: 11271, Start Num: 28

Candidate Starts for Leston_16:

(Start: 28 @10660 has 134 MA's), (Start: 40 @10705 has 1 MA's), (67, 10882), (74, 10939), (78, 10954), (81, 10969), (93, 11038), (95, 11044), (102, 11083), (105, 11095), (108, 11110), (117, 11149), (121, 11167), (124, 11182), (132, 11206), (136, 11236),

Gene: Liefie_13 Start: 9853, Stop: 10467, Start Num: 28

Candidate Starts for Liefie_13:

(Start: 28 @9853 has 134 MA's), (Start: 40 @9898 has 1 MA's), (45, 9922), (59, 10000), (61, 10021), (62, 10036), (74, 10132), (78, 10147), (81, 10162), (82, 10171), (84, 10192), (93, 10231), (97, 10255), (98, 10264), (102, 10276), (116, 10333), (121, 10360), (124, 10375), (132, 10399),

Gene: LilPharaoh_14 Start: 9777, Stop: 10388, Start Num: 25

Candidate Starts for LilPharaoh_14:

(Start: 25 @9777 has 102 MA's), (Start: 34 @9798 has 138 MA's), (Start: 40 @9819 has 1 MA's), (61, 9942), (62, 9957), (67, 9996), (74, 10053), (78, 10068), (84, 10113), (93, 10152), (95, 10158), (102, 10197), (105, 10209), (121, 10281), (124, 10296), (132, 10320), (136, 10350),

Gene: LilSpotty_12 Start: 7545, Stop: 8324, Start Num: 38

Candidate Starts for LilSpotty_12:

(Start: 38 @7545 has 15 MA's), (54, 7632), (61, 7683), (70, 7761), (75, 7797), (81, 7824), (84, 7854), (86, 7860), (93, 7893), (99, 7929), (102, 7938), (118, 8034), (128, 8070), (135, 8109), (146, 8196), (154, 8304),

Gene: LilStuart_11 Start: 7936, Stop: 8844, Start Num: 34

Candidate Starts for LilStuart_11:

(Start: 34 @7936 has 138 MA's), (62, 8092), (86, 8251), (87, 8254), (91, 8272), (128, 8434), (149, 8608), (150, 8638), (157, 8695),

Gene: LimaBean_12 Start: 8320, Stop: 9117, Start Num: 34

Candidate Starts for LimaBean_12:

(3, 8020), (6, 8116), (7, 8134), (13, 8236), (Start: 28 @8290 has 134 MA's), (Start: 34 @8320 has 138 MA's), (36, 8326), (61, 8467), (62, 8482), (93, 8674), (113, 8761), (147, 8962), (153, 9058),

Gene: LindNT_18 Start: 10468, Stop: 11082, Start Num: 25

Candidate Starts for LindNT_18:

(Start: 25 @10468 has 102 MA's), (Start: 40 @10513 has 1 MA's), (61, 10636), (67, 10690), (74, 10747), (78, 10762), (93, 10846), (95, 10852), (102, 10891), (105, 10903), (121, 10975), (124, 10990), (132, 11014), (142, 11071),

Gene: LitninMcQueen_13 Start: 7501, Stop: 8073, Start Num: 37

Candidate Starts for LitninMcQueen_13:

(Start: 37 @7501 has 21 MA's), (42, 7522), (47, 7543), (49, 7555), (70, 7714), (77, 7756), (83, 7789), (125, 7978), (143, 8062),

Gene: Litotes_15 Start: 10820, Stop: 11728, Start Num: 34

Candidate Starts for Litotes_15:

(Start: 34 @10820 has 138 MA's), (Start: 40 @10841 has 1 MA's), (58, 10931), (62, 10976), (87, 11138), (93, 11168), (121, 11288), (127, 11315), (128, 11318), (133, 11333), (141, 11396), (144, 11414), (149, 11492), (150, 11522), (151, 11528), (156, 11573), (157, 11579),

Gene: LittleTokyo_13 Start: 8714, Stop: 9298, Start Num: 34

Candidate Starts for LittleTokyo_13:

(Start: 34 @8714 has 138 MA's), (Start: 40 @8735 has 1 MA's), (58, 8825), (84, 9023), (102, 9107), (112, 9146), (118, 9182), (125, 9209), (130, 9224), (140, 9281),

Gene: Llorens_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Llorens_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: LouisV14_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for LouisV14_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Loviatar_20 Start: 8640, Stop: 9437, Start Num: 34

Candidate Starts for Loviatar_20:

(Start: 34 @8640 has 138 MA's), (36, 8646), (51, 8724), (61, 8790), (62, 8805), (86, 8964), (93, 8997), (102, 9042), (147, 9282),

Gene: Lucky10_12 Start: 7042, Stop: 7632, Start Num: 39

Candidate Starts for Lucky10_12:

(Start: 39 @7042 has 10 MA's), (44, 7063), (56, 7132), (71, 7261), (81, 7321), (95, 7396), (112, 7474), (126, 7540),

Gene: Lucy_11 Start: 7927, Stop: 8835, Start Num: 34

Candidate Starts for Lucy_11:

(Start: 34 @7927 has 138 MA's), (62, 8083), (86, 8242), (87, 8245), (128, 8425), (148, 8575), (149, 8599), (150, 8629), (157, 8686),

Gene: Lunahalos_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Lunahalos_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: Lunar_14 Start: 8964, Stop: 9545, Start Num: 34

Candidate Starts for Lunar_14:

(Start: 34 @8964 has 138 MA's), (Start: 40 @8985 has 1 MA's), (57, 9072), (62, 9120), (84, 9273), (102, 9357), (111, 9393), (113, 9399), (118, 9432), (134, 9501),

Gene: Lutum_13 Start: 7514, Stop: 8086, Start Num: 37

Candidate Starts for Lutum_13:

(Start: 37 @7514 has 21 MA's), (42, 7535), (47, 7556), (49, 7568), (70, 7727), (77, 7769), (83, 7802), (125, 7991), (143, 8075),

Gene: Lynlen_12 Start: 8337, Stop: 9134, Start Num: 34

Candidate Starts for Lynlen_12:

(5, 8130), (6, 8133), (7, 8151), (13, 8253), (Start: 28 @8307 has 134 MA's), (Start: 34 @8337 has 138 MA's), (36, 8343), (61, 8484), (62, 8499), (93, 8691), (113, 8778), (147, 8979), (153, 9075),

Gene: MOOREtheMARYer_13 Start: 10071, Stop: 10694, Start Num: 28

Candidate Starts for MOOREtheMARYer_13:

(Start: 28 @10071 has 134 MA's), (31, 10098), (45, 10149), (55, 10206), (61, 10248), (62, 10263), (74, 10359), (78, 10374), (82, 10398), (84, 10419), (93, 10458), (97, 10482), (108, 10530), (115, 10554), (116, 10560), (124, 10602),

Gene: MacnCheese_18 Start: 10792, Stop: 11403, Start Num: 27

Candidate Starts for MacnCheese_18:

(Start: 27 @10792 has 6 MA's), (Start: 40 @10837 has 1 MA's), (67, 11014), (74, 11071), (78, 11086), (84, 11131), (93, 11170), (95, 11176), (96, 11179), (102, 11215), (105, 11227), (108, 11242), (124, 11314), (132, 11338),

Gene: Maco6_13 Start: 8602, Stop: 9243, Start Num: 28

Candidate Starts for Maco6_13:

(18, 8569), (Start: 28 @8602 has 134 MA's), (Start: 38 @8635 has 15 MA's), (Start: 40 @8644 has 1 MA's), (44, 8662), (56, 8728), (61, 8767), (62, 8782), (77, 8887), (81, 8908), (84, 8938), (93, 8977), (102, 9022), (121, 9106), (126, 9127),

Gene: Makoto_11 Start: 7936, Stop: 8844, Start Num: 34

Candidate Starts for Makoto_11:

(Start: 34 @7936 has 138 MA's), (62, 8092), (87, 8254), (128, 8434), (148, 8584), (149, 8608), (150, 8638), (157, 8695),

Gene: MalagasyRose_19 Start: 10934, Stop: 11524, Start Num: 32

Candidate Starts for MalagasyRose_19:

(Start: 32 @10934 has 2 MA's), (Start: 38 @10949 has 15 MA's), (45, 10982), (53, 11027), (84, 11249), (98, 11321), (109, 11366), (114, 11384), (129, 11450), (130, 11453),

Gene: Maliketh_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Maliketh_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Malisha_13 Start: 8564, Stop: 9133, Start Num: 37

Candidate Starts for Malisha_13:

(Start: 37 @8564 has 21 MA's), (42, 8585), (47, 8606), (49, 8618), (70, 8777), (77, 8819), (83, 8852), (107, 8960), (125, 9041),

Gene: Malthus_19 Start: 11636, Stop: 12247, Start Num: 28

Candidate Starts for Malthus_19:

(Start: 28 @11636 has 134 MA's), (46, 11702), (48, 11708), (55, 11756), (62, 11813), (63, 11819), (66, 11840), (67, 11852), (74, 11909), (78, 11924), (93, 12008), (95, 12014), (102, 12053), (105, 12065), (108, 12080), (124, 12152), (132, 12176), (136, 12206),

Gene: MamaPearl_11 Start: 7982, Stop: 8890, Start Num: 34

Candidate Starts for MamaPearl_11:

(20, 7931), (22, 7934), (Start: 34 @7982 has 138 MA's), (Start: 40 @8003 has 1 MA's), (62, 8138), (77, 8243), (87, 8300), (122, 8453), (128, 8480), (140, 8555), (144, 8576), (149, 8654), (150, 8684), (151, 8690), (157, 8741),

Gene: Marcoliusprime_14 Start: 8532, Stop: 9146, Start Num: 24

Candidate Starts for Marcoliusprime_14:

(Start: 24 @8532 has 8 MA's), (Start: 38 @8571 has 15 MA's), (Start: 40 @8580 has 1 MA's), (74, 8814), (78, 8829), (81, 8844), (84, 8874), (93, 8913), (95, 8919), (101, 8955), (105, 8970), (112, 8997), (121, 9042), (124, 9057), (132, 9081),

Gene: Maria1952_11 Start: 7981, Stop: 8886, Start Num: 34

Candidate Starts for Maria1952_11:

(Start: 34 @7981 has 138 MA's), (62, 8137), (71, 8203), (77, 8242), (84, 8290), (87, 8299), (128, 8476), (144, 8572), (149, 8650), (150, 8680), (157, 8737),

Gene: MarkPhew_18 Start: 9393, Stop: 10004, Start Num: 25

Candidate Starts for MarkPhew_18:

(Start: 25 @9393 has 102 MA's), (Start: 40 @9435 has 1 MA's), (62, 9573), (74, 9669), (78, 9684), (84, 9729), (93, 9768), (95, 9774), (124, 9912), (132, 9936), (136, 9966), (139, 9987),

Gene: Marmie_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Marmie_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Marshawn_19 Start: 10081, Stop: 10695, Start Num: 28

Candidate Starts for Marshawn_19:

(Start: 28 @10081 has 134 MA's), (Start: 34 @10105 has 138 MA's), (Start: 40 @10126 has 1 MA's), (61, 10249), (63, 10270), (74, 10360), (78, 10375), (93, 10459), (95, 10465), (102, 10504), (105, 10516), (112, 10543), (121, 10588), (124, 10603), (132, 10627),

Gene: McMater_18 Start: 9573, Stop: 10184, Start Num: 28

Candidate Starts for McMater_18:

(Start: 28 @9573 has 134 MA's), (Start: 40 @9615 has 1 MA's), (62, 9753), (67, 9792), (74, 9849), (78, 9864), (84, 9909), (93, 9948), (95, 9954), (96, 9957), (105, 10005), (108, 10020), (121, 10077),

Gene: Mdavu_14 Start: 9765, Stop: 10376, Start Num: 25

Candidate Starts for Mdavu_14:

(Start: 25 @9765 has 102 MA's), (Start: 34 @9786 has 138 MA's), (Start: 40 @9807 has 1 MA's), (61, 9930), (62, 9945), (67, 9984), (74, 10041), (78, 10056), (84, 10101), (93, 10140), (95, 10146), (102, 10185), (105, 10197), (121, 10269), (124, 10284), (132, 10308), (136, 10338),

Gene: MeaningOfLife_18 Start: 10477, Stop: 11091, Start Num: 25

Candidate Starts for MeaningOfLife_18:

(Start: 25 @10477 has 102 MA's), (Start: 40 @10522 has 1 MA's), (61, 10645), (67, 10699), (74, 10756), (78, 10771), (93, 10855), (95, 10861), (102, 10900), (105, 10912), (112, 10939), (121, 10984), (124, 10999), (132, 11023), (142, 11080),

Gene: MeganNoll_15 Start: 10854, Stop: 11762, Start Num: 34

Candidate Starts for MeganNoll_15:

(Start: 34 @10854 has 138 MA's), (62, 11010), (77, 11115), (87, 11172), (128, 11352), (133, 11367), (148, 11502), (149, 11526), (150, 11556), (157, 11613),

Gene: Megsy_18 Start: 10471, Stop: 11085, Start Num: 25

Candidate Starts for Megsy_18:

(Start: 25 @10471 has 102 MA's), (Start: 40 @10516 has 1 MA's), (61, 10639), (67, 10693), (74, 10750), (78, 10765), (93, 10849), (95, 10855), (102, 10894), (105, 10906), (112, 10933), (121, 10978), (124, 10993), (132, 11017), (142, 11074),

Gene: Melons_14 Start: 8964, Stop: 9545, Start Num: 34

Candidate Starts for Melons_14:

(Start: 34 @8964 has 138 MA's), (Start: 40 @8985 has 1 MA's), (57, 9072), (62, 9120), (84, 9273), (102, 9357), (111, 9393), (113, 9399), (118, 9432), (134, 9501),

Gene: Mercurio_14 Start: 9826, Stop: 10446, Start Num: 28

Candidate Starts for Mercurio_14:

(Start: 28 @9826 has 134 MA's), (45, 9901), (55, 9958), (62, 10015), (74, 10111), (78, 10126), (81, 10141), (84, 10171), (93, 10210), (97, 10234), (102, 10255), (108, 10282), (115, 10306), (116, 10312), (124, 10354), (136, 10408),

Gene: Milly_14 Start: 8532, Stop: 9146, Start Num: 24

Candidate Starts for Milly_14:

(Start: 24 @8532 has 8 MA's), (Start: 38 @8571 has 15 MA's), (Start: 40 @8580 has 1 MA's), (74, 8814), (78, 8829), (81, 8844), (84, 8874), (93, 8913), (95, 8919), (101, 8955), (105, 8970), (112, 8997), (121, 9042), (124, 9057), (132, 9081),

Gene: Miryou_16 Start: 10508, Stop: 11119, Start Num: 28

Candidate Starts for Miryou_16:

(Start: 28 @10508 has 134 MA's), (Start: 40 @10553 has 1 MA's), (67, 10730), (74, 10787), (78, 10802), (81, 10817), (93, 10886), (95, 10892), (102, 10931), (105, 10943), (108, 10958), (117, 10997), (121, 11015), (124, 11030), (132, 11054), (136, 11084),

Gene: Misaeng_15 Start: 10924, Stop: 11832, Start Num: 33

Candidate Starts for Misaeng_15:

(Start: 33 @10924 has 9 MA's), (62, 11080), (77, 11185), (84, 11233), (121, 11392), (128, 11422), (131, 11431), (140, 11497), (149, 11596), (150, 11626), (156, 11677), (157, 11683),

Gene: MissDaisy_19 Start: 11490, Stop: 12101, Start Num: 28

Candidate Starts for MissDaisy_19:

(Start: 28 @11490 has 134 MA's), (46, 11556), (48, 11562), (49, 11571), (55, 11610), (62, 11667), (63, 11673), (66, 11694), (67, 11706), (74, 11763), (78, 11778), (93, 11862), (95, 11868), (101, 11904), (102, 11907), (105, 11919), (108, 11934), (121, 11991), (124, 12006), (132, 12030), (136, 12060),

Gene: Mitti_19 Start: 11640, Stop: 12251, Start Num: 28

Candidate Starts for Mitti_19:

(Start: 28 @11640 has 134 MA's), (46, 11706), (48, 11712), (55, 11760), (62, 11817), (63, 11823), (66, 11844), (67, 11856), (74, 11913), (78, 11928), (93, 12012), (95, 12018), (102, 12057), (105, 12069), (108, 12084), (121, 12141), (124, 12156), (132, 12180), (136, 12210),

Gene: Moki_11 Start: 7938, Stop: 8846, Start Num: 34

Candidate Starts for Moki_11:

(Start: 34 @7938 has 138 MA's), (62, 8094), (77, 8199), (87, 8256), (128, 8436), (133, 8451), (144, 8532), (149, 8610), (150, 8640), (152, 8658), (157, 8697),

Gene: Morkie_12 Start: 7004, Stop: 7594, Start Num: 39

Candidate Starts for Morkie_12:

(Start: 39 @7004 has 10 MA's), (44, 7025), (56, 7094), (71, 7223), (81, 7283), (95, 7358), (112, 7436), (116, 7454), (126, 7502),

Gene: MortyNRick_13 Start: 7836, Stop: 8429, Start Num: 39

Candidate Starts for MortyNRick_13:

(Start: 39 @7836 has 10 MA's), (44, 7857), (49, 7881), (69, 8049), (80, 8109), (81, 8115), (86, 8151), (87, 8154), (95, 8190),

Gene: Mowgli_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Mowgli_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: MrGloopy_15 Start: 10787, Stop: 11695, Start Num: 34

Candidate Starts for MrGloopy_15:

(Start: 34 @10787 has 138 MA's), (62, 10943), (77, 11048), (87, 11105), (128, 11285), (133, 11300), (149, 11459), (150, 11489), (157, 11546),

Gene: Muddy_15 Start: 9552, Stop: 10193, Start Num: 28

Candidate Starts for Muddy_15:

(18, 9519), (Start: 28 @9552 has 134 MA's), (Start: 38 @9585 has 15 MA's), (Start: 40 @9594 has 1 MA's), (44, 9612), (56, 9678), (61, 9717), (62, 9732), (77, 9837), (81, 9858), (84, 9888), (93, 9927), (102, 9972), (121, 10056), (126, 10077),

Gene: Mufasa_14 Start: 8522, Stop: 9145, Start Num: 23

Candidate Starts for Mufasa_14:

(11, 8456), (Start: 23 @8522 has 2 MA's), (Start: 38 @8570 has 15 MA's), (62, 8717), (74, 8813), (78, 8828), (81, 8843), (84, 8873), (93, 8912), (95, 8918), (96, 8921), (102, 8957), (105, 8969), (108, 8984), (121, 9041), (124, 9056), (132, 9080),

Gene: Murucutumbu_18 Start: 10456, Stop: 11067, Start Num: 26

Candidate Starts for Murucutumbu_18:

(Start: 26 @10456 has 5 MA's), (Start: 40 @10498 has 1 MA's), (61, 10621), (67, 10675), (74, 10732), (78, 10747), (84, 10792), (93, 10831), (95, 10837), (102, 10876), (105, 10888), (112, 10915), (121, 10960), (124, 10975), (132, 10999),

Gene: Mynx_18 Start: 10524, Stop: 11138, Start Num: 25

Candidate Starts for Mynx_18:

(Start: 25 @10524 has 102 MA's), (Start: 40 @10569 has 1 MA's), (61, 10692), (67, 10746), (74, 10803), (78, 10818), (93, 10902), (95, 10908), (102, 10947), (105, 10959), (112, 10986), (121, 11031), (124, 11046), (132, 11070), (142, 11127),

Gene: Nancia_11 Start: 7936, Stop: 8844, Start Num: 34

Candidate Starts for Nancia_11:

(Start: 34 @7936 has 138 MA's), (62, 8092), (86, 8251), (87, 8254), (91, 8272), (128, 8434), (149, 8608), (150, 8638), (157, 8695),

Gene: Nebkiss_10 Start: 8074, Stop: 8661, Start Num: 37

Candidate Starts for Nebkiss_10:

(Start: 37 @8074 has 21 MA's), (53, 8155), (60, 8194), (64, 8236), (71, 8290), (76, 8326), (95, 8425), (99, 8455), (118, 8545), (130, 8587), (135, 8620),

Gene: Nergal_17 Start: 11411, Stop: 12001, Start Num: 32

Candidate Starts for Nergal_17:

(Start: 32 @11411 has 2 MA's), (Start: 38 @11426 has 15 MA's), (41, 11441), (45, 11459), (59, 11537), (68, 11627), (77, 11675), (98, 11798), (109, 11843), (129, 11927), (130, 11930),

Gene: Nibb_17 Start: 9545, Stop: 10156, Start Num: 25

Candidate Starts for Nibb_17:

(Start: 25 @9545 has 102 MA's), (Start: 40 @9587 has 1 MA's), (62, 9725), (67, 9764), (74, 9821), (78, 9836), (84, 9881), (93, 9920), (95, 9926), (105, 9977), (124, 10064), (132, 10088), (139, 10139),

Gene: Nicky22_13 Start: 8768, Stop: 9565, Start Num: 34

Candidate Starts for Nicky22_13:

(6, 8564), (7, 8582), (Start: 28 @8738 has 134 MA's), (Start: 34 @8768 has 138 MA's), (36, 8774), (61, 8915), (62, 8930), (85, 9086), (93, 9122), (102, 9167), (147, 9410),

Gene: Nikao_14 Start: 9777, Stop: 10388, Start Num: 25

Candidate Starts for Nikao_14:

(Start: 25 @9777 has 102 MA's), (Start: 34 @9798 has 138 MA's), (Start: 40 @9819 has 1 MA's), (61, 9942), (62, 9957), (67, 9996), (74, 10053), (78, 10068), (84, 10113), (93, 10152), (95, 10158), (102, 10197), (105, 10209), (121, 10281), (124, 10296), (132, 10320), (136, 10350),

Gene: Niklas_18 Start: 9573, Stop: 10184, Start Num: 28

Candidate Starts for Niklas_18:

(Start: 28 @9573 has 134 MA's), (Start: 40 @9615 has 1 MA's), (62, 9753), (67, 9792), (74, 9849), (78, 9864), (84, 9909), (93, 9948), (95, 9954), (96, 9957), (105, 10005), (108, 10020), (121, 10077),

Gene: NoShow_13 Start: 8694, Stop: 9302, Start Num: 28

Candidate Starts for NoShow_13:

(Start: 28 @8694 has 134 MA's), (47, 8763), (68, 8928), (81, 8997), (89, 9048), (93, 9066), (94, 9069), (97, 9090), (109, 9141), (121, 9195),

Gene: Nubia_15 Start: 10838, Stop: 11746, Start Num: 33

Candidate Starts for Nubia_15:

(Start: 33 @10838 has 9 MA's), (62, 10994), (77, 11099), (84, 11147), (128, 11336), (149, 11510), (150, 11540), (156, 11591), (157, 11597),

Gene: Nutello_14 Start: 9777, Stop: 10388, Start Num: 25

Candidate Starts for Nutello_14:

(Start: 25 @9777 has 102 MA's), (Start: 34 @9798 has 138 MA's), (Start: 40 @9819 has 1 MA's), (61, 9942), (62, 9957), (67, 9996), (74, 10053), (78, 10068), (84, 10113), (93, 10152), (95, 10158), (102, 10197), (105, 10209), (121, 10281), (124, 10296), (132, 10320), (136, 10350),

Gene: ODay_13 Start: 7563, Stop: 8147, Start Num: 39

Candidate Starts for ODay_13:

(Start: 39 @7563 has 10 MA's), (44, 7584), (49, 7608), (69, 7776), (71, 7782), (81, 7842), (86, 7878), (87, 7881), (95, 7917), (138, 8124),

Gene: OMalley_11 Start: 7979, Stop: 8884, Start Num: 34

Candidate Starts for OMalley_11:

(Start: 34 @7979 has 138 MA's), (58, 8090), (62, 8135), (87, 8297), (103, 8366), (127, 8471), (128, 8474), (133, 8489), (149, 8648), (150, 8678), (152, 8696), (157, 8735), (159, 8813),

Gene: OctaviousRex_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for OctaviousRex_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: OkiRoe_16 Start: 10530, Stop: 11141, Start Num: 28

Candidate Starts for OkiRoe_16:

(Start: 28 @10530 has 134 MA's), (Start: 40 @10575 has 1 MA's), (67, 10752), (74, 10809), (78, 10824), (81, 10839), (93, 10908), (95, 10914), (102, 10953), (105, 10965), (108, 10980), (117, 11019), (121, 11037), (124, 11052), (132, 11076), (136, 11106),

Gene: Olga_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Olga_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: OmniCritical_19 Start: 11627, Stop: 12238, Start Num: 28

Candidate Starts for OmniCritical_19:

(Start: 28 @11627 has 134 MA's), (46, 11693), (48, 11699), (55, 11747), (62, 11804), (63, 11810), (66, 11831), (67, 11843), (74, 11900), (78, 11915), (93, 11999), (95, 12005), (102, 12044), (105, 12056), (108, 12071), (121, 12128), (124, 12143), (132, 12167), (136, 12197),

Gene: Omnicron_16 Start: 9598, Stop: 10209, Start Num: 28

Candidate Starts for Omnicron_16:

(Start: 28 @9598 has 134 MA's), (Start: 40 @9643 has 1 MA's), (55, 9724), (67, 9820), (74, 9877), (78, 9892), (81, 9907), (93, 9976), (95, 9982), (102, 10021), (108, 10048), (121, 10105), (124, 10120), (132, 10144), (136, 10174), (141, 10195),

Gene: Orcanus_13 Start: 8754, Stop: 9338, Start Num: 34

Candidate Starts for Orcanus_13:

(Start: 34 @8754 has 138 MA's), (118, 9222), (134, 9291), (137, 9303),

Gene: Oscar_17 Start: 9506, Stop: 10117, Start Num: 25

Candidate Starts for Oscar_17:

(Start: 25 @9506 has 102 MA's), (Start: 40 @9548 has 1 MA's), (74, 9782), (78, 9797), (81, 9812), (84, 9842), (93, 9881), (95, 9887), (102, 9926), (105, 9938), (121, 10010), (124, 10025), (132, 10049), (136, 10079), (139, 10100),

Gene: OurGirlNessie_11 Start: 7927, Stop: 8835, Start Num: 34

Candidate Starts for OurGirlNessie_11:

(Start: 34 @7927 has 138 MA's), (62, 8083), (86, 8242), (87, 8245), (128, 8425), (148, 8575), (149, 8599), (150, 8629), (157, 8686),

Gene: Oxynfrius_15 Start: 10851, Stop: 11759, Start Num: 33

Candidate Starts for Oxynfrius_15:

(Start: 33 @10851 has 9 MA's), (62, 11007), (77, 11112), (84, 11160), (128, 11349), (149, 11523), (150, 11553), (156, 11604), (157, 11610),

Gene: Pace1224_13 Start: 9947, Stop: 10567, Start Num: 28

Candidate Starts for Pace1224_13:

(Start: 28 @9947 has 134 MA's), (45, 10022), (55, 10079), (61, 10121), (62, 10136), (74, 10232), (78, 10247), (82, 10271), (93, 10331), (97, 10355), (108, 10403), (116, 10433), (124, 10475), (132, 10499), (136, 10529),

Gene: Padfoot_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Padfoot_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: Padpat_18 Start: 10504, Stop: 11115, Start Num: 25

Candidate Starts for Padpat_18:

(Start: 25 @10504 has 102 MA's), (Start: 40 @10546 has 1 MA's), (67, 10723), (74, 10780), (78, 10795), (93, 10879), (95, 10885), (102, 10924), (105, 10936), (112, 10963), (121, 11008), (124, 11023), (132, 11047), (142, 11104),

Gene: Paito_13 Start: 9962, Stop: 10582, Start Num: 28

Candidate Starts for Paito_13:

(Start: 28 @9962 has 134 MA's), (45, 10037), (61, 10136), (62, 10151), (74, 10247), (78, 10262), (81, 10277), (82, 10286), (84, 10307), (93, 10346), (97, 10370), (98, 10379), (102, 10391), (115, 10442), (116, 10448), (121, 10475), (124, 10490), (132, 10514),

Gene: Paola_16 Start: 10530, Stop: 11141, Start Num: 28

Candidate Starts for Paola_16:

(Start: 28 @10530 has 134 MA's), (Start: 40 @10575 has 1 MA's), (67, 10752), (74, 10809), (78, 10824), (81, 10839), (93, 10908), (95, 10914), (102, 10953), (105, 10965), (108, 10980), (117, 11019), (121, 11037), (124, 11052), (132, 11076), (136, 11106),

Gene: PartyCup_15 Start: 10867, Stop: 11775, Start Num: 34

Candidate Starts for PartyCup_15:

(Start: 34 @10867 has 138 MA's), (Start: 40 @10888 has 1 MA's), (58, 10978), (62, 11023), (84, 11176), (87, 11185), (93, 11215), (121, 11335), (127, 11362), (128, 11365), (133, 11380), (141, 11443), (144, 11461), (149, 11539), (150, 11569), (151, 11575), (156, 11620), (157, 11626),

Gene: Patt_19 Start: 11466, Stop: 12077, Start Num: 28

Candidate Starts for Patt_19:

(Start: 28 @11466 has 134 MA's), (46, 11532), (48, 11538), (49, 11547), (55, 11586), (62, 11643), (63, 11649), (66, 11670), (67, 11682), (74, 11739), (78, 11754), (93, 11838), (95, 11844), (101, 11880), (102, 11883), (105, 11895), (108, 11910), (121, 11967), (124, 11982), (132, 12006), (136, 12036),

Gene: Peanam_18 Start: 9573, Stop: 10184, Start Num: 28

Candidate Starts for Peanam_18:

(Start: 28 @9573 has 134 MA's), (Start: 40 @9615 has 1 MA's), (62, 9753), (67, 9792), (74, 9849), (78, 9864), (84, 9909), (93, 9948), (95, 9954), (96, 9957), (105, 10005), (108, 10020), (121, 10077),

Gene: Peeb_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Peeb_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (81, 10163), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Peel_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Peel_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: Periodt_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Periodt_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Periwinkle_13 Start: 7496, Stop: 8068, Start Num: 37

Candidate Starts for Periwinkle_13:

(Start: 37 @7496 has 21 MA's), (42, 7517), (47, 7538), (49, 7550), (70, 7709), (77, 7751), (83, 7784), (125, 7973), (143, 8057),

Gene: Phabuloso_13 Start: 7501, Stop: 8073, Start Num: 37

Candidate Starts for Phabuloso_13:

(Start: 37 @7501 has 21 MA's), (42, 7522), (47, 7543), (49, 7555), (70, 7714), (77, 7756), (83, 7789), (125, 7978), (143, 8062),

Gene: Pharb_17 Start: 10403, Stop: 11017, Start Num: 28

Candidate Starts for Pharb_17:

(Start: 28 @10403 has 134 MA's), (Start: 40 @10451 has 1 MA's), (74, 10685), (78, 10700), (84, 10745), (93, 10784), (95, 10790), (96, 10793), (102, 10829), (105, 10841), (108, 10856), (121, 10913), (124, 10928), (132, 10952),

Gene: PhelpsODU_17 Start: 9556, Stop: 10170, Start Num: 25

Candidate Starts for PhelpsODU_17:

(Start: 25 @9556 has 102 MA's), (30, 9568), (Start: 40 @9601 has 1 MA's), (67, 9778), (74, 9835), (78, 9850), (81, 9865), (84, 9895), (93, 9934), (95, 9940), (105, 9991), (112, 10018), (124, 10078), (133, 10105),

Gene: Phisb_12 Start: 8314, Stop: 9111, Start Num: 34

Candidate Starts for Phisb_12:

(4, 8026), (5, 8107), (6, 8110), (7, 8128), (Start: 28 @8284 has 134 MA's), (Start: 34 @8314 has 138 MA's), (36, 8320), (61, 8461), (62, 8476), (85, 8632), (93, 8668), (102, 8713), (113, 8755), (147, 8956),

Gene: Phish_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Phish_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Phistory_13 Start: 7485, Stop: 8057, Start Num: 37

Candidate Starts for Phistory_13:

(Start: 37 @7485 has 21 MA's), (42, 7506), (47, 7527), (49, 7539), (70, 7698), (77, 7740), (83, 7773), (125, 7962), (143, 8046),

Gene: PhluffyCoco_12 Start: 8378, Stop: 8959, Start Num: 34

Candidate Starts for PhluffyCoco_12:

(Start: 34 @8378 has 138 MA's), (Start: 40 @8399 has 1 MA's), (84, 8687), (102, 8771), (112, 8810), (113, 8813), (118, 8846), (134, 8915), (140, 8945),

Gene: PhorbesPhlower_12 Start: 7004, Stop: 7594, Start Num: 39

Candidate Starts for PhorbesPhlower_12:

(Start: 39 @7004 has 10 MA's), (44, 7025), (56, 7094), (71, 7223), (81, 7283), (95, 7358), (112, 7436), (116, 7454), (126, 7502),

Gene: Phrank_17 Start: 9499, Stop: 10113, Start Num: 25

Candidate Starts for Phrank_17:

(Start: 25 @9499 has 102 MA's), (30, 9511), (Start: 40 @9544 has 1 MA's), (67, 9721), (74, 9778), (78, 9793), (81, 9808), (84, 9838), (93, 9877), (95, 9883), (112, 9961), (124, 10021), (133, 10048),

Gene: Phreak_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Phreak_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Piatt_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Piatt_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: PinkFriday_11 Start: 7979, Stop: 8884, Start Num: 34

Candidate Starts for PinkFriday_11:

(Start: 34 @7979 has 138 MA's), (50, 8054), (62, 8135), (71, 8201), (72, 8204), (77, 8240), (84, 8288), (86, 8294), (87, 8297), (103, 8366), (128, 8474), (144, 8570), (149, 8648), (150, 8678), (157, 8735),

Gene: PinkYoshi_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for PinkYoshi_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Pinnie_14 Start: 10537, Stop: 11160, Start Num: 28

Candidate Starts for Pinnie_14:

(Start: 28 @10537 has 134 MA's), (31, 10564), (45, 10615), (55, 10672), (61, 10714), (62, 10729), (74, 10825), (78, 10840), (82, 10864), (84, 10885), (93, 10924), (97, 10948), (108, 10996), (115, 11020), (116, 11026), (124, 11068),

Gene: PitaDog_11 Start: 7927, Stop: 8835, Start Num: 34

Candidate Starts for PitaDog_11:

(Start: 34 @7927 has 138 MA's), (62, 8083), (86, 8242), (87, 8245), (128, 8425), (148, 8575), (149, 8599), (150, 8629), (157, 8686),

Gene: Pixie_17 Start: 10319, Stop: 10930, Start Num: 27

Candidate Starts for Pixie_17:

(Start: 27 @10319 has 6 MA's), (Start: 40 @10364 has 1 MA's), (67, 10541), (74, 10598), (78, 10613), (84, 10658), (93, 10697), (95, 10703), (96, 10706), (102, 10742), (105, 10754), (108, 10769), (121, 10826), (124, 10841), (132, 10865),

Gene: Plagueis_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Plagueis_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Pokerus_17 Start: 10458, Stop: 11072, Start Num: 25

Candidate Starts for Pokerus_17:

(Start: 25 @10458 has 102 MA's), (Start: 40 @10503 has 1 MA's), (61, 10626), (67, 10680), (74, 10737), (78, 10752), (93, 10836), (95, 10842), (102, 10881), (105, 10893), (112, 10920), (121, 10965), (124, 10980), (132, 11004),

Gene: Polka_13 Start: 8803, Stop: 9384, Start Num: 34

Candidate Starts for Polka_13:

(Start: 34 @8803 has 138 MA's), (Start: 40 @8824 has 1 MA's), (57, 8911), (62, 8959), (84, 9112), (102, 9196), (111, 9232), (113, 9238), (118, 9271), (134, 9340),

Gene: Potatoes_15 Start: 10848, Stop: 11756, Start Num: 34

Candidate Starts for Potatoes_15:

(Start: 34 @10848 has 138 MA's), (62, 11004), (77, 11109), (87, 11166), (128, 11346), (133, 11361), (148, 11496), (149, 11520), (150, 11550), (157, 11607),

Gene: Preamble_11 Start: 7937, Stop: 8845, Start Num: 34

Candidate Starts for Preamble_11:

(Start: 34 @7937 has 138 MA's), (62, 8093), (77, 8198), (84, 8246), (86, 8252), (87, 8255), (128, 8435), (131, 8444), (140, 8510), (144, 8531), (149, 8609), (150, 8639), (152, 8657), (157, 8696),

Gene: Prithvi_18 Start: 10468, Stop: 11082, Start Num: 25

Candidate Starts for Prithvi_18:

(Start: 25 @10468 has 102 MA's), (Start: 40 @10513 has 1 MA's), (61, 10636), (67, 10690), (74, 10747), (78, 10762), (93, 10846), (95, 10852), (102, 10891), (105, 10903), (121, 10975), (124, 10990), (132, 11014), (142, 11071),

Gene: Psycho_16 Start: 10498, Stop: 11109, Start Num: 28

Candidate Starts for Psycho_16:

(Start: 28 @10498 has 134 MA's), (Start: 40 @10543 has 1 MA's), (74, 10777), (78, 10792), (81, 10807), (93, 10876), (95, 10882), (102, 10921), (105, 10933), (108, 10948), (121, 11005), (124, 11020), (132, 11044), (136, 11074),

Gene: Pterodactyl_11 Start: 7928, Stop: 8836, Start Num: 34

Candidate Starts for Pterodactyl_11:

(Start: 34 @7928 has 138 MA's), (62, 8084), (86, 8243), (87, 8246), (91, 8264), (128, 8426), (148, 8576), (149, 8600), (150, 8630), (157, 8687),

Gene: Pumancara_11 Start: 7978, Stop: 8883, Start Num: 34

Candidate Starts for Pumancara_11:

(Start: 34 @7978 has 138 MA's), (50, 8053), (62, 8134), (71, 8200), (77, 8239), (84, 8287), (87, 8296), (103, 8365), (128, 8473), (144, 8569), (149, 8647), (150, 8677), (157, 8734),

Gene: QMacho_13 Start: 8804, Stop: 9601, Start Num: 34

Candidate Starts for QMacho_13:

(7, 8618), (13, 8720), (Start: 28 @8774 has 134 MA's), (Start: 34 @8804 has 138 MA's), (36, 8810), (61, 8951), (62, 8966), (93, 9158), (102, 9203), (113, 9245), (147, 9446),

Gene: QuincyRose_17 Start: 10521, Stop: 11135, Start Num: 25

Candidate Starts for QuincyRose_17:

(Start: 25 @10521 has 102 MA's), (Start: 40 @10566 has 1 MA's), (61, 10689), (67, 10743), (74, 10800), (78, 10815), (93, 10899), (95, 10905), (102, 10944), (105, 10956), (112, 10983), (121, 11028), (124, 11043), (132, 11067),

Gene: RAP15_15 Start: 10854, Stop: 11762, Start Num: 34

Candidate Starts for RAP15_15:

(Start: 34 @10854 has 138 MA's), (62, 11010), (77, 11115), (87, 11172), (128, 11352), (133, 11367), (148, 11502), (149, 11526), (150, 11556), (157, 11613),

Gene: Rabbs_13 Start: 9837, Stop: 10457, Start Num: 28

Candidate Starts for Rabbs_13:

(Start: 28 @9837 has 134 MA's), (45, 9912), (61, 10011), (62, 10026), (74, 10122), (78, 10137), (81, 10152), (82, 10161), (84, 10182), (93, 10221), (97, 10245), (98, 10254), (102, 10266), (115, 10317), (116, 10323), (120, 10347), (124, 10365), (132, 10389),

Gene: Ramen_18 Start: 10504, Stop: 11118, Start Num: 25

Candidate Starts for Ramen_18:

(Start: 25 @10504 has 102 MA's), (Start: 40 @10549 has 1 MA's), (61, 10672), (67, 10726), (74, 10783), (78, 10798), (93, 10882), (95, 10888), (102, 10927), (105, 10939), (112, 10966), (121, 11011), (124, 11026), (132, 11050), (142, 11107),

Gene: Rando14_16 Start: 9500, Stop: 10111, Start Num: 28

Candidate Starts for Rando14_16:

(Start: 28 @9500 has 134 MA's), (Start: 40 @9545 has 1 MA's), (67, 9722), (74, 9779), (78, 9794), (81, 9809), (84, 9839), (93, 9878), (95, 9884), (102, 9923), (105, 9935), (108, 9950), (112, 9962), (121, 10007), (124, 10022), (132, 10046), (136, 10076), (141, 10097),

Gene: Rapunzel97_18 Start: 10505, Stop: 11119, Start Num: 25

Candidate Starts for Rapunzel97_18:

(Start: 25 @10505 has 102 MA's), (Start: 40 @10550 has 1 MA's), (61, 10673), (67, 10727), (74, 10784), (78, 10799), (93, 10883), (95, 10889), (102, 10928), (105, 10940), (112, 10967), (121, 11012), (124, 11027), (132, 11051), (142, 11108),

Gene: RcigaStruga_15 Start: 10859, Stop: 11767, Start Num: 33

Candidate Starts for RcigaStruga_15:

(Start: 33 @10859 has 9 MA's), (62, 11015), (77, 11120), (84, 11168), (128, 11357), (131, 11366), (140, 11432), (149, 11531), (150, 11561), (156, 11612), (157, 11618),

Gene: RedFox_12 Start: 8378, Stop: 8959, Start Num: 34

Candidate Starts for RedFox_12:

(Start: 34 @8378 has 138 MA's), (Start: 40 @8399 has 1 MA's), (84, 8687), (102, 8771), (112, 8810), (113, 8813), (118, 8846), (134, 8915), (140, 8945),

Gene: Remy19_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Remy19_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Renaissance_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Renaissance_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Renna12_13 Start: 8581, Stop: 9165, Start Num: 34

Candidate Starts for Renna12_13:

(Start: 34 @8581 has 138 MA's), (Start: 40 @8602 has 1 MA's), (84, 8890), (102, 8974), (112, 9013), (113, 9016), (134, 9118),

Gene: Reptar3000_19 Start: 11468, Stop: 12079, Start Num: 28

Candidate Starts for Reptar3000_19:

(Start: 28 @11468 has 134 MA's), (46, 11534), (48, 11540), (49, 11549), (55, 11588), (62, 11645), (63, 11651), (66, 11672), (67, 11684), (74, 11741), (78, 11756), (93, 11840), (95, 11846), (101, 11882), (102, 11885), (105, 11897), (108, 11912), (121, 11969), (124, 11984), (132, 12008), (136, 12038),

Gene: Richo_18 Start: 9573, Stop: 10184, Start Num: 28

Candidate Starts for Richo_18:

(Start: 28 @9573 has 134 MA's), (Start: 40 @9615 has 1 MA's), (62, 9753), (67, 9792), (74, 9849), (78, 9864), (84, 9909), (93, 9948), (95, 9954), (96, 9957), (105, 10005), (108, 10020), (121, 10077),

Gene: Riovina_11 Start: 7979, Stop: 8884, Start Num: 34

Candidate Starts for Riovina_11:

(Start: 34 @7979 has 138 MA's), (58, 8090), (62, 8135), (87, 8297), (103, 8366), (127, 8471), (128, 8474), (133, 8489), (149, 8648), (150, 8678), (152, 8696), (157, 8735), (159, 8813),

Gene: Riverdale_15 Start: 10785, Stop: 11693, Start Num: 34

Candidate Starts for Riverdale_15:

(Start: 34 @10785 has 138 MA's), (62, 10941), (77, 11046), (87, 11103), (128, 11283), (133, 11298), (149, 11457), (150, 11487), (157, 11544),

Gene: Rona_12 Start: 8556, Stop: 9350, Start Num: 34

Candidate Starts for Rona_12:

(Start: 34 @8556 has 138 MA's), (36, 8562), (50, 8631), (61, 8703), (62, 8718), (93, 8910), (102, 8955), (113, 8997), (116, 9012), (139, 9129), (147, 9195), (155, 9303),

Gene: Ronaldo_48 Start: 17900, Stop: 18457, Start Num: 38

Candidate Starts for Ronaldo_48:

(Start: 38 @17900 has 15 MA's), (42, 17918), (53, 17981), (84, 18206), (92, 18224), (95, 18233), (102, 18272), (105, 18284), (123, 18371),

Gene: Rosmarinus_18 Start: 10532, Stop: 11143, Start Num: 25

Candidate Starts for Rosmarinus_18:

(Start: 25 @10532 has 102 MA's), (Start: 40 @10574 has 1 MA's), (61, 10697), (67, 10751), (74, 10808), (78, 10823), (93, 10907), (95, 10913), (102, 10952), (105, 10964), (112, 10991), (121, 11036), (124, 11051), (132, 11075), (142, 11132),

Gene: Rozby_15 Start: 10785, Stop: 11693, Start Num: 34

Candidate Starts for Rozby_15:

(Start: 34 @10785 has 138 MA's), (62, 10941), (77, 11046), (87, 11103), (128, 11283), (133, 11298), (148, 11433), (149, 11457), (150, 11487), (157, 11544),

Gene: Ruthiejr_18 Start: 11323, Stop: 11934, Start Num: 28

Candidate Starts for Ruthiejr_18:

(Start: 28 @11323 has 134 MA's), (46, 11389), (48, 11395), (55, 11443), (62, 11500), (63, 11506), (66, 11527), (67, 11539), (74, 11596), (78, 11611), (81, 11626), (93, 11695), (95, 11701), (108, 11767), (121, 11824), (124, 11839), (132, 11863), (136, 11893),

Gene: SamScheppers_17 Start: 11243, Stop: 11854, Start Num: 28

Candidate Starts for SamScheppers_17:

(Start: 28 @11243 has 134 MA's), (46, 11309), (48, 11315), (55, 11363), (62, 11420), (63, 11426), (66, 11447), (67, 11459), (74, 11516), (78, 11531), (93, 11615), (95, 11621), (102, 11660), (105, 11672), (108, 11687), (121, 11744), (124, 11759), (132, 11783), (136, 11813),

Gene: SamuelLPlaqson_18 Start: 10446, Stop: 11060, Start Num: 25

Candidate Starts for SamuelLPlaqson_18:

(Start: 25 @10446 has 102 MA's), (31, 10464), (Start: 40 @10491 has 1 MA's), (67, 10668), (74, 10725), (78, 10740), (81, 10755), (84, 10785), (93, 10824), (95, 10830), (102, 10869), (105, 10881), (112, 10908), (121, 10953), (124, 10968), (132, 10992),

Gene: SanaSana_13 Start: 8569, Stop: 9366, Start Num: 34

Candidate Starts for SanaSana_13:

(Start: 34 @8569 has 138 MA's), (36, 8575), (51, 8653), (61, 8719), (62, 8734), (86, 8893), (93, 8926), (102, 8971), (147, 9211),

Gene: SansAfet_12 Start: 8331, Stop: 9128, Start Num: 34

Candidate Starts for SansAfet_12:

(6, 8127), (7, 8145), (13, 8247), (Start: 28 @8301 has 134 MA's), (Start: 34 @8331 has 138 MA's), (36, 8337), (61, 8478), (62, 8493), (93, 8685), (113, 8772), (147, 8973), (153, 9069),

Gene: SarBear_12 Start: 8297, Stop: 9094, Start Num: 34

Candidate Starts for SarBear_12:

(6, 8093), (7, 8111), (Start: 28 @8267 has 134 MA's), (Start: 34 @8297 has 138 MA's), (36, 8303), (61, 8444), (62, 8459), (93, 8651), (113, 8738), (147, 8939), (153, 9035),

Gene: Savage2526_15 Start: 10848, Stop: 11756, Start Num: 34

Candidate Starts for Savage2526_15:

(Start: 34 @10848 has 138 MA's), (62, 11004), (77, 11109), (87, 11166), (128, 11346), (133, 11361), (148, 11496), (149, 11520), (150, 11550), (157, 11607),

Gene: Scarlett_17 Start: 9505, Stop: 10116, Start Num: 25

Candidate Starts for Scarlett_17:

(Start: 25 @9505 has 102 MA's), (Start: 40 @9547 has 1 MA's), (74, 9781), (78, 9796), (81, 9811), (84, 9841), (93, 9880), (95, 9886), (102, 9925), (105, 9937), (121, 10009), (124, 10024), (132, 10048), (136, 10078), (139, 10099),

Gene: Schiebel_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Schiebel_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Scuttle_15 Start: 10854, Stop: 11762, Start Num: 34

Candidate Starts for Scuttle_15:

(Start: 34 @10854 has 138 MA's), (62, 11010), (77, 11115), (87, 11172), (128, 11352), (133, 11367), (149, 11526), (150, 11556), (157, 11613),

Gene: Sergei_11 Start: 7981, Stop: 8886, Start Num: 34

Candidate Starts for Sergei_11:

(Start: 34 @7981 has 138 MA's), (62, 8137), (71, 8203), (77, 8242), (84, 8290), (87, 8299), (128, 8476), (144, 8572), (149, 8650), (150, 8680), (157, 8737),

Gene: SgtBeansprout_14 Start: 9777, Stop: 10388, Start Num: 25

Candidate Starts for SgtBeansprout_14:

(Start: 25 @9777 has 102 MA's), (Start: 34 @9798 has 138 MA's), (Start: 40 @9819 has 1 MA's), (61, 9942), (62, 9957), (67, 9996), (74, 10053), (78, 10068), (84, 10113), (93, 10152), (95, 10158), (102, 10197), (105, 10209), (121, 10281), (124, 10296), (132, 10320), (136, 10350),

Gene: ShaboiShabazz_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for ShaboiShabazz_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Shadow1_16 Start: 9392, Stop: 10006, Start Num: 25

Candidate Starts for Shadow1_16:

(Start: 25 @9392 has 102 MA's), (Start: 40 @9437 has 1 MA's), (67, 9614), (74, 9671), (78, 9686), (84, 9731), (93, 9770), (95, 9776), (124, 9914), (133, 9941),

Gene: Shaobing_18 Start: 9573, Stop: 10184, Start Num: 28

Candidate Starts for Shaobing_18:

(Start: 28 @9573 has 134 MA's), (Start: 40 @9615 has 1 MA's), (62, 9753), (67, 9792), (74, 9849), (78, 9864), (84, 9909), (93, 9948), (95, 9954), (96, 9957), (105, 10005), (108, 10020), (121, 10077),

Gene: Sharkboy_12 Start: 8555, Stop: 9349, Start Num: 34

Candidate Starts for Sharkboy_12:

(Start: 34 @8555 has 138 MA's), (36, 8561), (50, 8630), (61, 8702), (62, 8717), (93, 8909), (102, 8954), (113, 8996), (116, 9011), (139, 9128), (147, 9194), (155, 9302),

Gene: ShedlockHolmes_17 Start: 10567, Stop: 11178, Start Num: 27

Candidate Starts for ShedlockHolmes_17:

(Start: 27 @10567 has 6 MA's), (Start: 40 @10612 has 1 MA's), (67, 10789), (74, 10846), (78, 10861), (84, 10906), (88, 10918), (93, 10945), (95, 10951), (96, 10954), (102, 10990), (105, 11002), (108, 11017), (121, 11074), (124, 11089), (132, 11113),

Gene: ShiaSurprise_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for ShiaSurprise_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: SirPhilip_17 Start: 9268, Stop: 9879, Start Num: 25

Candidate Starts for SirPhilip_17:

(Start: 25 @9268 has 102 MA's), (52, 9376), (62, 9448), (67, 9487), (74, 9544), (78, 9559), (84, 9604), (90, 9628), (93, 9643), (95, 9649), (102, 9688), (105, 9700), (124, 9787), (132, 9811), (139, 9862),

Gene: Sizemore_13 Start: 9855, Stop: 10469, Start Num: 28

Candidate Starts for Sizemore_13:

(Start: 28 @9855 has 134 MA's), (Start: 40 @9900 has 1 MA's), (45, 9924), (59, 10002), (61, 10023), (62, 10038), (74, 10134), (78, 10149), (82, 10173), (84, 10194), (93, 10233), (97, 10257), (98, 10266), (102, 10278), (116, 10335), (121, 10362), (124, 10377), (132, 10401),

Gene: Slarp_19 Start: 11727, Stop: 12338, Start Num: 28

Candidate Starts for Slarp_19:

(Start: 28 @11727 has 134 MA's), (46, 11793), (48, 11799), (55, 11847), (62, 11904), (63, 11910), (66, 11931), (67, 11943), (74, 12000), (78, 12015), (93, 12099), (95, 12105), (102, 12144), (105, 12156), (108, 12171), (121, 12228), (124, 12243), (132, 12267), (136, 12297),

Gene: Slay_12 Start: 8773, Stop: 9570, Start Num: 34

Candidate Starts for Slay_12:

(6, 8569), (7, 8587), (Start: 28 @8743 has 134 MA's), (Start: 34 @8773 has 138 MA's), (36, 8779), (61, 8920), (62, 8935), (93, 9127), (113, 9214), (147, 9415), (153, 9511),

Gene: Slimphazie_18 Start: 10505, Stop: 11119, Start Num: 25

Candidate Starts for Slimphazie_18:

(Start: 25 @10505 has 102 MA's), (Start: 40 @10550 has 1 MA's), (61, 10673), (67, 10727), (74, 10784), (78, 10799), (93, 10883), (95, 10889), (102, 10928), (105, 10940), (112, 10967), (121, 11012), (124, 11027), (132, 11051), (142, 11108),

Gene: Sneeze_13 Start: 9836, Stop: 10456, Start Num: 28

Candidate Starts for Sneeze_13:

(Start: 28 @9836 has 134 MA's), (45, 9911), (61, 10010), (62, 10025), (74, 10121), (78, 10136), (81, 10151), (82, 10160), (84, 10181), (93, 10220), (97, 10244), (98, 10253), (102, 10265), (115, 10316), (116, 10322), (120, 10346), (124, 10364), (132, 10388),

Gene: SoSeph_16 Start: 10657, Stop: 11268, Start Num: 28

Candidate Starts for SoSeph_16:

(Start: 28 @10657 has 134 MA's), (Start: 40 @10702 has 1 MA's), (67, 10879), (74, 10936), (78, 10951), (81, 10966), (93, 11035), (95, 11041), (102, 11080), (108, 11107), (117, 11146), (121, 11164), (124, 11179), (132, 11203), (136, 11233),

Gene: Soul22_14 Start: 7679, Stop: 8272, Start Num: 38

Candidate Starts for Soul22_14:

(12, 7577), (Start: 38 @7679 has 15 MA's), (42, 7697), (61, 7814), (65, 7853), (73, 7919), (81, 7952), (83, 7964), (86, 7988), (102, 8060), (103, 8063), (106, 8081), (110, 8093), (116, 8117), (118, 8135),

Gene: Spartoi_11 Start: 7044, Stop: 7571, Start Num: 40

Candidate Starts for Spartoi_11:

(Start: 40 @7044 has 1 MA's), (50, 7104), (74, 7290), (76, 7296), (116, 7458), (141, 7563),

Gene: Spock_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Spock_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: Spooky_13 Start: 7512, Stop: 8081, Start Num: 37

Candidate Starts for Spooky_13:

(Start: 37 @7512 has 21 MA's), (42, 7533), (47, 7554), (49, 7566), (70, 7725), (77, 7767), (83, 7800), (107, 7908), (125, 7989),

Gene: Squiddly_14 Start: 8181, Stop: 8753, Start Num: 37

Candidate Starts for Squiddly_14:

(Start: 37 @8181 has 21 MA's), (42, 8202), (47, 8223), (49, 8235), (70, 8394), (77, 8436), (83, 8469), (125, 8658), (143, 8742),

Gene: Stargaze_13 Start: 10149, Stop: 10772, Start Num: 28

Candidate Starts for Stargaze_13:

(Start: 28 @10149 has 134 MA's), (45, 10227), (55, 10284), (61, 10326), (62, 10341), (74, 10437), (78, 10452), (82, 10476), (84, 10497), (93, 10536), (97, 10560), (108, 10608), (116, 10638), (124, 10680), (132, 10704),

Gene: Stinson_18 Start: 10468, Stop: 11079, Start Num: 26

Candidate Starts for Stinson_18:

(Start: 26 @10468 has 5 MA's), (Start: 40 @10510 has 1 MA's), (61, 10633), (67, 10687), (74, 10744), (78, 10759), (84, 10804), (93, 10843), (95, 10849), (102, 10888), (105, 10900), (112, 10927), (121, 10972), (124, 10987), (132, 11011),

Gene: Stoor_12 Start: 8566, Stop: 9363, Start Num: 34

Candidate Starts for Stoor_12:

(Start: 34 @8566 has 138 MA's), (36, 8572), (51, 8650), (61, 8716), (62, 8731), (86, 8890), (93, 8923), (102, 8968), (147, 9208),

Gene: Strobilo_14 Start: 8532, Stop: 9146, Start Num: 24

Candidate Starts for Strobilo_14:

(Start: 24 @8532 has 8 MA's), (Start: 38 @8571 has 15 MA's), (Start: 40 @8580 has 1 MA's), (74, 8814), (78, 8829), (81, 8844), (84, 8874), (93, 8913), (95, 8919), (101, 8955), (105, 8970), (112, 8997), (121, 9042), (124, 9057), (132, 9081),

Gene: Stromboli_12 Start: 8570, Stop: 9367, Start Num: 34

Candidate Starts for Stromboli_12:

(Start: 34 @8570 has 138 MA's), (36, 8576), (61, 8720), (62, 8735), (86, 8894), (93, 8927), (102, 8972), (139, 9146), (147, 9212),

Gene: Sulley_18 Start: 10474, Stop: 11088, Start Num: 25

Candidate Starts for Sulley_18:

(Start: 25 @10474 has 102 MA's), (Start: 40 @10519 has 1 MA's), (61, 10642), (67, 10696), (74, 10753), (78, 10768), (93, 10852), (95, 10858), (102, 10897), (105, 10909), (112, 10936), (121, 10981), (124, 10996), (132, 11020), (142, 11077),

Gene: Sunflower1121_16 Start: 9403, Stop: 10017, Start Num: 25

Candidate Starts for Sunflower1121_16:

(Start: 25 @9403 has 102 MA's), (Start: 40 @9448 has 1 MA's), (67, 9625), (74, 9682), (78, 9697), (84, 9742), (93, 9781), (95, 9787), (124, 9925), (133, 9952),

Gene: Supakev_11 Start: 7981, Stop: 8886, Start Num: 34

Candidate Starts for Supakev_11:

(Start: 34 @7981 has 138 MA's), (62, 8137), (87, 8299), (103, 8368), (128, 8476), (133, 8491), (149, 8650), (150, 8680), (152, 8698), (157, 8737), (158, 8797), (159, 8815),

Gene: Suppi_15 Start: 10870, Stop: 11778, Start Num: 34

Candidate Starts for Suppi_15:

(Start: 34 @10870 has 138 MA's), (Start: 40 @10891 has 1 MA's), (62, 11026), (87, 11188), (93, 11218), (121, 11338), (127, 11365), (128, 11368), (133, 11383), (141, 11446), (144, 11464), (149,

11542), (150, 11572), (151, 11578), (156, 11623), (157, 11629),

Gene: Sweets_13 Start: 9849, Stop: 10463, Start Num: 28

Candidate Starts for Sweets_13:

(Start: 28 @9849 has 134 MA's), (Start: 40 @9894 has 1 MA's), (45, 9918), (59, 9996), (61, 10017), (62, 10032), (74, 10128), (78, 10143), (82, 10167), (84, 10188), (93, 10227), (97, 10251), (98, 10260), (102, 10272), (116, 10329), (121, 10356), (124, 10371), (132, 10395),

Gene: Swervy_12 Start: 8297, Stop: 9094, Start Num: 34

Candidate Starts for Swervy_12:

(6, 8093), (7, 8111), (Start: 28 @8267 has 134 MA's), (Start: 34 @8297 has 138 MA's), (36, 8303), (61, 8444), (62, 8459), (93, 8651), (113, 8738), (147, 8939), (153, 9035),

Gene: Syra333_17 Start: 9500, Stop: 10114, Start Num: 25

Candidate Starts for Syra333_17:

(Start: 25 @9500 has 102 MA's), (Start: 40 @9545 has 1 MA's), (67, 9722), (74, 9779), (78, 9794), (81, 9809), (84, 9839), (93, 9878), (95, 9884), (124, 10022), (133, 10049), (139, 10097),

Gene: TBond007_17 Start: 10318, Stop: 10929, Start Num: 27

Candidate Starts for TBond007_17:

(Start: 27 @10318 has 6 MA's), (Start: 40 @10363 has 1 MA's), (67, 10540), (74, 10597), (78, 10612), (84, 10657), (93, 10696), (95, 10702), (96, 10705), (102, 10741), (105, 10753), (108, 10768), (121, 10825), (124, 10840), (132, 10864),

Gene: TClif_17 Start: 9491, Stop: 10102, Start Num: 25

Candidate Starts for TClif_17:

(14, 9443), (Start: 25 @9491 has 102 MA's), (Start: 35 @9515 has 2 MA's), (62, 9671), (67, 9710), (74, 9767), (78, 9782), (81, 9797), (84, 9827), (93, 9866), (95, 9872), (102, 9911), (105, 9923), (112, 9950), (124, 10010), (132, 10034), (135, 10061), (139, 10085),

Gene: TM4_14 Start: 8590, Stop: 9204, Start Num: 24

Candidate Starts for TM4_14:

(Start: 24 @8590 has 8 MA's), (Start: 40 @8638 has 1 MA's), (74, 8872), (78, 8887), (81, 8902), (84, 8932), (90, 8956), (93, 8971), (95, 8977), (102, 9016), (105, 9028), (108, 9043), (121, 9100), (124, 9115), (132, 9139), (136, 9169),

Gene: TMaxx_14 Start: 8024, Stop: 8605, Start Num: 36

Candidate Starts for TMaxx_14:

(36, 8024), (43, 8051), (109, 8447),

Gene: Tachez_18 Start: 10467, Stop: 11081, Start Num: 25

Candidate Starts for Tachez_18:

(Start: 25 @10467 has 102 MA's), (Start: 40 @10512 has 1 MA's), (61, 10635), (67, 10689), (74, 10746), (78, 10761), (93, 10845), (95, 10851), (102, 10890), (105, 10902), (112, 10929), (121, 10974), (124, 10989), (132, 11013),

Gene: Taheera_13 Start: 9846, Stop: 10466, Start Num: 28

Candidate Starts for Taheera_13:

(Start: 28 @9846 has 134 MA's), (45, 9921), (62, 10035), (74, 10131), (78, 10146), (81, 10161), (84, 10191), (93, 10230), (97, 10254), (98, 10263), (102, 10275), (115, 10326), (116, 10332), (120, 10356), (124, 10374), (132, 10398),

Gene: TaiwanKao_19 Start: 10474, Stop: 11088, Start Num: 25

Candidate Starts for TaiwanKao_19:

(Start: 25 @10474 has 102 MA's), (Start: 40 @10519 has 1 MA's), (61, 10642), (67, 10696), (74, 10753), (78, 10768), (93, 10852), (95, 10858), (102, 10897), (105, 10909), (112, 10936), (121, 10981), (124, 10996), (132, 11020), (142, 11077),

Gene: Taquito_17 Start: 11314, Stop: 11925, Start Num: 28

Candidate Starts for Taquito_17:

(Start: 28 @11314 has 134 MA's), (46, 11380), (48, 11386), (55, 11434), (62, 11491), (63, 11497), (66, 11518), (67, 11530), (74, 11587), (78, 11602), (81, 11617), (93, 11686), (95, 11692), (108, 11758), (121, 11815), (124, 11830), (132, 11854), (136, 11884),

Gene: TattModd_15 Start: 10848, Stop: 11756, Start Num: 34

Candidate Starts for TattModd_15:

(Start: 34 @10848 has 138 MA's), (62, 11004), (77, 11109), (87, 11166), (133, 11361), (149, 11520), (150, 11550), (157, 11607),

Gene: TaylorSipht_13 Start: 8839, Stop: 9423, Start Num: 34

Candidate Starts for TaylorSipht_13:

(Start: 34 @8839 has 138 MA's), (55, 8938), (112, 9271), (134, 9376), (137, 9388),

Gene: Temper16_11 Start: 7981, Stop: 8886, Start Num: 34

Candidate Starts for Temper16_11:

(Start: 34 @7981 has 138 MA's), (62, 8137), (71, 8203), (77, 8242), (84, 8290), (87, 8299), (128, 8476), (144, 8572), (149, 8650), (150, 8680), (157, 8737),

Gene: Terror_13 Start: 9846, Stop: 10466, Start Num: 28

Candidate Starts for Terror_13:

(Start: 28 @9846 has 134 MA's), (45, 9921), (62, 10035), (74, 10131), (78, 10146), (81, 10161), (84, 10191), (93, 10230), (97, 10254), (98, 10263), (102, 10275), (115, 10326), (116, 10332), (120, 10356), (124, 10374), (132, 10398),

Gene: Thyatira_16 Start: 10529, Stop: 11140, Start Num: 28

Candidate Starts for Thyatira_16:

(Start: 28 @10529 has 134 MA's), (Start: 40 @10574 has 1 MA's), (49, 10616), (67, 10751), (74, 10808), (78, 10823), (81, 10838), (93, 10907), (95, 10913), (102, 10952), (105, 10964), (108, 10979), (117, 11018), (121, 11036), (124, 11051), (132, 11075), (136, 11105),

Gene: Tierra_17 Start: 10220, Stop: 10834, Start Num: 25

Candidate Starts for Tierra_17:

(Start: 25 @10220 has 102 MA's), (30, 10232), (Start: 40 @10265 has 1 MA's), (67, 10442), (74, 10499), (78, 10514), (81, 10529), (84, 10559), (93, 10598), (95, 10604), (112, 10682), (124, 10742), (133, 10769),

Gene: TingHuaYa_18 Start: 9532, Stop: 10146, Start Num: 28

Candidate Starts for TingHuaYa_18:

(Start: 28 @9532 has 134 MA's), (Start: 40 @9577 has 1 MA's), (62, 9715), (67, 9754), (74, 9811), (81, 9841), (84, 9871), (93, 9910), (95, 9916), (102, 9955), (121, 10039), (132, 10078), (136, 10108), (139, 10129),

Gene: TiniBug_18 Start: 10446, Stop: 11060, Start Num: 25

Candidate Starts for TiniBug_18:

(Start: 25 @10446 has 102 MA's), (31, 10464), (Start: 40 @10491 has 1 MA's), (67, 10668), (74, 10725), (78, 10740), (81, 10755), (84, 10785), (93, 10824), (95, 10830), (102, 10869), (105, 10881),

(112, 10908), (121, 10953), (124, 10968), (132, 10992),

Gene: Tiri_18 Start: 10513, Stop: 11127, Start Num: 25

Candidate Starts for Tiri_18:

(Start: 25 @10513 has 102 MA's), (Start: 40 @10558 has 1 MA's), (61, 10681), (67, 10735), (74, 10792), (78, 10807), (93, 10891), (95, 10897), (102, 10936), (105, 10948), (112, 10975), (121, 11020), (124, 11035), (132, 11059),

Gene: TomBrady_13 Start: 9855, Stop: 10469, Start Num: 28

Candidate Starts for TomBrady_13:

(Start: 28 @9855 has 134 MA's), (Start: 40 @9900 has 1 MA's), (45, 9924), (59, 10002), (61, 10023), (62, 10038), (74, 10134), (78, 10149), (82, 10173), (84, 10194), (93, 10233), (97, 10257), (98, 10266), (102, 10278), (116, 10335), (121, 10362), (124, 10377), (132, 10401),

Gene: Topper_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Topper_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: Torres_14 Start: 9777, Stop: 10388, Start Num: 25

Candidate Starts for Torres_14:

(Start: 25 @9777 has 102 MA's), (Start: 34 @9798 has 138 MA's), (Start: 40 @9819 has 1 MA's), (61, 9942), (62, 9957), (67, 9996), (74, 10053), (78, 10068), (84, 10113), (93, 10152), (95, 10158), (102, 10197), (105, 10209), (121, 10281), (124, 10296), (132, 10320), (136, 10350),

Gene: TreyKay_18 Start: 10468, Stop: 11082, Start Num: 25

Candidate Starts for TreyKay_18:

(Start: 25 @10468 has 102 MA's), (Start: 40 @10513 has 1 MA's), (61, 10636), (67, 10690), (74, 10747), (78, 10762), (93, 10846), (95, 10852), (102, 10891), (105, 10903), (121, 10975), (124, 10990), (132, 11014), (142, 11071),

Gene: TribbleTrouble_16 Start: 10378, Stop: 10989, Start Num: 28

Candidate Starts for TribbleTrouble_16:

(Start: 28 @10378 has 134 MA's), (Start: 40 @10423 has 1 MA's), (67, 10600), (74, 10657), (78, 10672), (84, 10717), (93, 10756), (95, 10762), (96, 10765), (105, 10813), (108, 10828), (121, 10885), (124, 10900), (132, 10924),

Gene: TruffulaTree_18 Start: 10501, Stop: 11115, Start Num: 25

Candidate Starts for TruffulaTree_18:

(Start: 25 @10501 has 102 MA's), (Start: 40 @10546 has 1 MA's), (61, 10669), (67, 10723), (74, 10780), (78, 10795), (93, 10879), (95, 10885), (102, 10924), (105, 10936), (112, 10963), (121, 11008), (124, 11023), (132, 11047), (142, 11104),

Gene: TukTuk_12 Start: 8357, Stop: 9154, Start Num: 34

Candidate Starts for TukTuk_12:

(6, 8153), (7, 8171), (Start: 28 @8327 has 134 MA's), (Start: 34 @8357 has 138 MA's), (36, 8363), (61, 8504), (62, 8519), (93, 8711), (113, 8798), (147, 8999),

Gene: Twitch_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Twitch_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (61, 10709), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048),

(124, 11063), (132, 11087), (142, 11144),

Gene: Typha_19 Start: 12487, Stop: 13128, Start Num: 19

Candidate Starts for Typha_19:

(Start: 19 @12487 has 2 MA's), (29, 12517), (Start: 35 @12547 has 2 MA's), (47, 12592), (70, 12763), (79, 12814), (81, 12826), (84, 12856), (102, 12940), (109, 12970), (121, 13024), (142, 13117),

Gene: Unicorn_17 Start: 9556, Stop: 10170, Start Num: 25

Candidate Starts for Unicorn_17:

(Start: 25 @9556 has 102 MA's), (30, 9568), (Start: 40 @9601 has 1 MA's), (67, 9778), (74, 9835), (78, 9850), (81, 9865), (84, 9895), (93, 9934), (95, 9940), (105, 9991), (112, 10018), (124, 10078), (133, 10105),

Gene: Urkel_18 Start: 10446, Stop: 11060, Start Num: 25

Candidate Starts for Urkel_18:

(Start: 25 @10446 has 102 MA's), (31, 10464), (Start: 40 @10491 has 1 MA's), (67, 10668), (74, 10725), (78, 10740), (81, 10755), (84, 10785), (93, 10824), (95, 10830), (102, 10869), (105, 10881), (112, 10908), (121, 10953), (124, 10968), (132, 10992),

Gene: Urla_11 Start: 7985, Stop: 8893, Start Num: 34

Candidate Starts for Urla_11:

(20, 7934), (22, 7937), (Start: 34 @7985 has 138 MA's), (Start: 40 @8006 has 1 MA's), (62, 8141), (77, 8246), (84, 8294), (87, 8303), (128, 8483), (140, 8558), (141, 8561), (144, 8579), (145, 8603), (149, 8657), (150, 8687), (151, 8693), (157, 8744),

Gene: Validus_18 Start: 9492, Stop: 10103, Start Num: 28

Candidate Starts for Validus_18:

(Start: 28 @9492 has 134 MA's), (Start: 40 @9534 has 1 MA's), (53, 9603), (55, 9615), (62, 9672), (67, 9711), (74, 9768), (78, 9783), (84, 9828), (93, 9867), (95, 9873), (96, 9876), (102, 9912), (108, 9939), (121, 9996), (133, 10038),

Gene: Vallejo_15 Start: 10786, Stop: 11694, Start Num: 34

Candidate Starts for Vallejo_15:

(Start: 34 @10786 has 138 MA's), (62, 10942), (77, 11047), (87, 11104), (128, 11284), (133, 11299), (148, 11434), (149, 11458), (150, 11488), (157, 11545),

Gene: Veliki_18 Start: 10544, Stop: 11155, Start Num: 25

Candidate Starts for Veliki_18:

(Start: 25 @10544 has 102 MA's), (Start: 40 @10586 has 1 MA's), (67, 10763), (74, 10820), (78, 10835), (93, 10919), (95, 10925), (102, 10964), (105, 10976), (112, 11003), (121, 11048), (124, 11063), (132, 11087), (142, 11144),

Gene: Volt_47 Start: 17900, Stop: 18457, Start Num: 38

Candidate Starts for Volt_47:

(Start: 38 @17900 has 15 MA's), (42, 17918), (53, 17981), (84, 18206), (92, 18224), (95, 18233), (102, 18272), (105, 18284), (123, 18371),

Gene: Vulture_11 Start: 7979, Stop: 8884, Start Num: 34

Candidate Starts for Vulture_11:

(Start: 34 @7979 has 138 MA's), (62, 8135), (87, 8297), (103, 8366), (127, 8471), (128, 8474), (133, 8489), (149, 8648), (150, 8678), (152, 8696), (157, 8735), (158, 8795), (159, 8813),

Gene: WalkingDead_12 Start: 8557, Stop: 9354, Start Num: 34

Candidate Starts for WalkingDead_12:

(Start: 34 @8557 has 138 MA's), (36, 8563), (61, 8707), (62, 8722), (86, 8881), (93, 8914), (102, 8959), (113, 9001), (139, 9133), (147, 9199),

Gene: Waterfoul_16 Start: 10551, Stop: 11162, Start Num: 28

Candidate Starts for Waterfoul_16:

(Start: 28 @10551 has 134 MA's), (Start: 40 @10596 has 1 MA's), (49, 10638), (67, 10773), (74, 10830), (78, 10845), (81, 10860), (93, 10929), (95, 10935), (102, 10974), (105, 10986), (108, 11001), (117, 11040), (121, 11058), (124, 11073), (132, 11097), (136, 11127),

Gene: Wawa_15 Start: 10823, Stop: 11731, Start Num: 34

Candidate Starts for Wawa_15:

(Start: 34 @10823 has 138 MA's), (62, 10979), (77, 11084), (87, 11141), (128, 11321), (133, 11336), (148, 11471), (149, 11495), (150, 11525), (157, 11582),

Gene: Wayne_15 Start: 10916, Stop: 11824, Start Num: 34

Candidate Starts for Wayne_15:

(Start: 34 @10916 has 138 MA's), (Start: 40 @10937 has 1 MA's), (62, 11072), (87, 11234), (93, 11264), (121, 11384), (127, 11411), (128, 11414), (133, 11429), (141, 11492), (144, 11510), (149, 11588), (150, 11618), (151, 11624), (156, 11669), (157, 11675),

Gene: Wendigo_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Wendigo_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Whitney_13 Start: 7496, Stop: 8068, Start Num: 37

Candidate Starts for Whitney_13:

(Start: 37 @7496 has 21 MA's), (42, 7517), (47, 7538), (49, 7550), (70, 7709), (77, 7751), (83, 7784), (125, 7973), (143, 8057),

Gene: Wintermute_19 Start: 11716, Stop: 12327, Start Num: 28

Candidate Starts for Wintermute_19:

(Start: 28 @11716 has 134 MA's), (46, 11782), (48, 11788), (55, 11836), (62, 11893), (63, 11899), (66, 11920), (67, 11932), (74, 11989), (78, 12004), (93, 12088), (95, 12094), (102, 12133), (105, 12145), (108, 12160), (121, 12217), (124, 12232), (132, 12256), (136, 12286),

Gene: WonderBoy_11 Start: 7936, Stop: 8844, Start Num: 34

Candidate Starts for WonderBoy_11:

(Start: 34 @7936 has 138 MA's), (62, 8092), (77, 8197), (86, 8251), (87, 8254), (91, 8272), (128, 8434), (133, 8449), (144, 8530), (149, 8608), (150, 8638), (157, 8695),

Gene: Ximenita_18 Start: 9678, Stop: 10292, Start Num: 25

Candidate Starts for Ximenita_18:

(Start: 25 @9678 has 102 MA's), (Start: 40 @9723 has 1 MA's), (67, 9900), (74, 9957), (78, 9972), (81, 9987), (84, 10017), (93, 10056), (95, 10062), (105, 10113), (124, 10200), (133, 10227), (139, 10275),

Gene: Y10_19 Start: 11716, Stop: 12327, Start Num: 28

Candidate Starts for Y10_19:

(Start: 28 @11716 has 134 MA's), (46, 11782), (48, 11788), (55, 11836), (62, 11893), (63, 11899), (66, 11920), (67, 11932), (78, 12004), (93, 12088), (95, 12094), (102, 12133), (105, 12145), (108, 12160),

(121, 12217), (124, 12232), (132, 12256), (136, 12286),

Gene: Y2_19 Start: 11716, Stop: 12327, Start Num: 28

Candidate Starts for Y2_19:

(Start: 28 @11716 has 134 MA's), (46, 11782), (48, 11788), (55, 11836), (62, 11893), (63, 11899), (66, 11920), (67, 11932), (78, 12004), (93, 12088), (95, 12094), (102, 12133), (105, 12145), (108, 12160), (121, 12217), (124, 12232), (132, 12256), (136, 12286),

Gene: Yoshi_14 Start: 7678, Stop: 8271, Start Num: 38

Candidate Starts for Yoshi_14:

(Start: 38 @7678 has 15 MA's), (42, 7696), (61, 7813), (65, 7852), (73, 7918), (81, 7951), (83, 7963), (86, 7987), (102, 8059), (104, 8068), (106, 8080), (110, 8092), (116, 8116), (118, 8134),

Gene: YoureAdopted_17 Start: 10477, Stop: 11088, Start Num: 25

Candidate Starts for YoureAdopted_17:

(Start: 25 @10477 has 102 MA's), (Start: 40 @10519 has 1 MA's), (61, 10642), (67, 10696), (74, 10753), (78, 10768), (93, 10852), (95, 10858), (102, 10897), (105, 10909), (112, 10936), (121, 10981), (124, 10996), (132, 11020), (142, 11077),

Gene: Yuna_18 Start: 9613, Stop: 10227, Start Num: 28

Candidate Starts for Yuna_18:

(Start: 28 @9613 has 134 MA's), (Start: 40 @9658 has 1 MA's), (67, 9835), (74, 9892), (81, 9922), (84, 9952), (93, 9991), (95, 9997), (102, 10036), (105, 10048), (119, 10114), (132, 10159), (136, 10189), (139, 10210),

Gene: Yunkel11_18 Start: 9455, Stop: 10069, Start Num: 28

Candidate Starts for Yunkel11_18:

(Start: 28 @9455 has 134 MA's), (62, 9638), (67, 9677), (74, 9734), (81, 9764), (84, 9794), (93, 9833), (95, 9839), (102, 9878), (105, 9890), (121, 9962), (132, 10001), (136, 10031), (139, 10052),

Gene: Zabiza_18 Start: 10502, Stop: 11116, Start Num: 25

Candidate Starts for Zabiza_18:

(Start: 25 @10502 has 102 MA's), (Start: 40 @10547 has 1 MA's), (61, 10670), (67, 10724), (74, 10781), (78, 10796), (93, 10880), (95, 10886), (102, 10925), (105, 10937), (112, 10964), (121, 11009), (124, 11024), (132, 11048), (142, 11105),

Gene: Zapner_15 Start: 8203, Stop: 8796, Start Num: 38

Candidate Starts for Zapner_15:

(Start: 38 @8203 has 15 MA's), (42, 8221), (61, 8338), (65, 8377), (73, 8443), (81, 8476), (83, 8488), (86, 8512), (102, 8584), (104, 8593), (106, 8605), (110, 8617), (116, 8641), (118, 8659),

Gene: Zavala_18 Start: 10483, Stop: 11097, Start Num: 25

Candidate Starts for Zavala_18:

(Start: 25 @10483 has 102 MA's), (Start: 40 @10528 has 1 MA's), (61, 10651), (67, 10705), (74, 10762), (78, 10777), (93, 10861), (95, 10867), (102, 10906), (105, 10918), (112, 10945), (121, 10990), (124, 11005), (132, 11029), (142, 11086),

Gene: Ziko_48 Start: 17840, Stop: 18397, Start Num: 38

Candidate Starts for Ziko_48:

(Start: 38 @17840 has 15 MA's), (42, 17858), (53, 17921), (84, 18146), (92, 18164), (95, 18173), (102, 18212), (105, 18224), (123, 18311),

Gene: ZoMa_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for ZoMa_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: ZoeJ_14 Start: 8484, Stop: 9104, Start Num: 24

Candidate Starts for ZoeJ_14:

(Start: 24 @8484 has 8 MA's), (Start: 40 @8538 has 1 MA's), (62, 8676), (74, 8772), (78, 8787), (81, 8802), (84, 8832), (93, 8871), (95, 8877), (96, 8880), (102, 8916), (105, 8928), (108, 8943), (121, 9000), (124, 9015), (132, 9039), (141, 9090),

Gene: Zombie_13 Start: 9854, Stop: 10468, Start Num: 28

Candidate Starts for Zombie_13:

(Start: 28 @9854 has 134 MA's), (Start: 40 @9899 has 1 MA's), (45, 9923), (59, 10001), (61, 10022), (62, 10037), (74, 10133), (78, 10148), (82, 10172), (84, 10193), (93, 10232), (97, 10256), (98, 10265), (102, 10277), (116, 10334), (121, 10361), (124, 10376), (132, 10400),

Gene: Zorro_15 Start: 10802, Stop: 11710, Start Num: 34

Candidate Starts for Zorro_15:

(Start: 34 @10802 has 138 MA's), (62, 10958), (77, 11063), (87, 11120), (128, 11300), (133, 11315), (148, 11450), (149, 11474), (150, 11504), (157, 11561),