

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 215801 Report

This analysis was run 02/22/25 on database version 588.

Pham number 215801 has 236 members, 23 are drafts.

Phages represented in each track:

- Track 1 : Hami1_27, Beatrix_25, Teodoridan_23, BigPaolini_26
- Track 2 : MetalQZJ_25, Corvo_26, MaryBeth_25, Anglerfish_26
- Track 3 : AFIS_25, ILeeKay_27
- Track 4 : Licorice_27
- Track 5 : Graduation_27
- Track 6 : Target_28, SpikeBT_27, Marsha_25, Jerm2_26, PinkPlastic_24, Fenn_26, Carlyle_27, Pippin_27, Ringer_25, Sorpresa_25, Sandaddy_24, Altman_27, Squee_26, Aeneas_27, Inyanga_24, JackSparrow_26, Greg_27, Mule_25, Ohno789_25, Rohr_26, ShortQueendom_24, Buttons_26, Iqorha_24, Monet_27, Applejack_25, Pinto_28, Fajezeel_27, Wilkins_25, Blue_25, PhrostyMug_25, LilBib_26, Bigchungji_25, Sunshine924_24, Edtherson_26, Zeuska_26
- Track 7 : StrongArm_24, Bexan_24, Petp2012_27
- Track 8 : HermioneGrange_25, Crispicous1_24, BaconJack_27, Seabiscuit_27, Petruccio_26, Smeagol_27, Payneful_25, Hermia_28, DreamCatcher_28, McSinger_26, Scowl_26, Zeeculate_25, Marchy_24
- Track 9 : Gompeii16_25, Bircsak_25
- Track 10 : Killigrew_23, Turj99_24, Jorgensen_25, Makemake_25, Magnito_24, Barriga_25, Gyzlar_27, Bones_25, Rutherford_27, Niza_27, Naira_26, Treddle_27, Fascinus_24, Seanderson_26
- Track 11 : Eyeball_25
- Track 12 : Pita2_27, PSullivan_27
- Track 13 : Agaliana_26
- Track 14 : Moose_24, Ruotula_24, Manatee_26, Forsytheast_24, Peterson_28
- Track 15 : Perseus_26, Nhonho_25, KSSJEB_25, Lesedi_24, TheloniousMonk_27, DrFeelGood_24, QTRlifeCrisis_25, Ashballer_25, Arlo_24, KyMonks1A_27, Solon_25, U2_25, Switzer_26, Trouble_26
- Track 16 : DD5_26, Parliament_24, Bethlehem_25, Lockley_25
- Track 17 : Acme_27, Ciao_25
- Track 18 : Mryolo_24, Magnar_25
- Track 19 : Lopton_26, Dulcie_24
- Track 20 : Kykar_23
- Track 21 : Norz_27, Papez_27
- Track 22 : Euphoria_25, Michley_25, TwoPeat_26, Zephyr_25, GMonster_24
- Track 23 : Museum_27, PattyP_27, Burton_26
- Track 24 : BluSpix_25, IgnatiusPatJac_24, LunarLander_25, Marco3_25, Cueyllyss_25, Rhynn_25
- Track 25 : BigMau_27, Bob3_24

- Track 26 : SwissCheese_26
- Track 27 : PhineBark_25, BarrowTuph_24, Levia_24
- Track 28 : StewieG_24, Froghopper_26, ConceptII_27, Bruns_24, McGuire_26, Hope4ever_25
- Track 29 : Watermelon_27
- Track 30 : GageAP_27, Pepe_26, Gwendoluna_27, Smairt_26
- Track 31 : Marge_26, RidgeCB_25, BPBiebs31_26, Wheeler_25, Bigfoot_24
- Track 32 : STLscum_26
- Track 33 : PherrisBueller_26, Dreamboat_26
- Track 34 : Chanagan_24
- Track 35 : Big3_25, MrGordo_25, Bxb1_23, BillKnuckles_26
- Track 36 : Thor_25, SarFire_25
- Track 37 : Paphu_24, HarryOW_26, Dynamix_26, Abrogate_260
- Track 38 : Snazzy_24
- Track 39 : Alsfro_29, Lamina13_25, EnzoK_25, Pari_26
- Track 40 : Tasp14_26, Rubeus_26
- Track 41 : PascalRango_24
- Track 42 : KBG_26, PacerPaul_25, Ajay_26
- Track 43 : Briton15_27, Fushigi_26, GrecoEtereo_27, HanShotFirst_25, Jasper_26, Marcell_25, Francis47_25
- Track 44 : Molly_26, Traft412_27
- Track 45 : Espresso_25
- Track 46 : Arcanine_26, BeesKnees_26, Rajelicia_25
- Track 47 : Alvin_26
- Track 48 : Oogway_24
- Track 49 : Violet_24
- Track 50 : Gandalf20_26
- Track 51 : A6_23, BK1_23
- Track 52 : Tote_27, Swole_27, JuliaChild_27
- Track 53 : JC27_27
- Track 54 : Dexes_26
- Track 55 : Ichabod_26, ProMouse_24
- Track 56 : Sumter_24
- Track 57 : Pelly_26, Atkinbua_27, Homines_25
- Track 58 : Adahisdi_26
- Track 59 : Rufus_26
- Track 60 : Topgun_25, CactusRose_24
- Track 61 : MPlant7149_24, Slagathor_26
- Track 62 : Doom_26
- Track 63 : Raid_26
- Track 64 : Sagefire_26, Nerujay_26
- Track 65 : Kenmech_28, Abbyshoes_26, Dussy_26
- Track 66 : Tripl3t_26
- Track 67 : Phlippers_24
- Track 68 : Maroc7_24
- Track 69 : Sibs6_27
- Track 70 : Mkhuseli_26
- Track 71 : Kanely_26
- Track 72 : Sanya_24
- Track 73 : NEHalo_25, SkiPole_27
- Track 74 : Paraselene_24
- Track 75 : Kugel_26
- Track 76 : Toro_29, FlyCatcher_30

- Track 77 : Sheen_28
- Track 78 : DroogsArmy_27, Timshel_27
- Track 79 : HINdeR_26

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

The start number called the most often in the published annotations is 2, it was called in 209 of the 213 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- A6_23, AFIS_25, Abbyshoes_26, Abrogate_260, Acme_27, Adahisdi_26, Aeneas_27, Agaliana_26, Ajay_26, Alsfro_29, Altman_27, Alvin_26, Anglerfish_26, Applejack_25, Arcanine_26, Arlo_24, Ashballer_25, Atkinbua_27, BK1_23, BPBiebs31_26, BaconJack_27, Barriga_25, BarrowTuph_24, Beatrix_25, BeesKnees_26, Bethlehem_25, Bexan_24, Big3_25, BigMau_27, BigPaolini_26, Bigchung_25, Bigfoot_24, BillKnuckles_26, Bircsak_25, BluSpix_25, Blue_25, Bob3_24, Bones_25, Briton15_27, Bruns_24, Burton_26, Buttons_26, Bxb1_23, CactusRose_24, Carlyle_27, Chanagan_24, Ciao_25, ConceptII_27, Corvo_26, Crispicous1_24, Cueyllyss_25, DD5_26, Dexes_26, Doom_26, DrFeelGood_24, DreamCatcher_28, Dreamboat_26, Dulcie_24, Dussy_26, Dynamix_26, Edtherson_26, EnzoK_25, Espresso_25, Euphoria_25, Eyeball_25, Fajezeel_27, Fascinus_24, Fenn_26, Forsytheast_24, Francis47_25, Froghopper_26, Fushigi_26, GMonster_24, GageAP_27, Gandalf20_26, Gompeii16_25, Graduation_27, GrecoEtereo_27, Greg_27, Gwendoluna_27, Gyzlar_27, Hami1_27, HanShotFirst_25, HarryOW_26, Hermia_28, HermioneGrange_25, Homines_25, Hope4ever_25, ILeeKay_27, Ichabod_26, IgnatiusPatJac_24, Inyanga_24, Iqorha_24, JC27_27, JackSparrow_26, Jasper_26, Jerm2_26, Jorgensen_25, JuliaChild_27, KBG_26, KSSJEB_25, Kanely_26, Kenmech_28, Killigrew_23, Kugel_26, KyMonks1A_27, Kykar_23, Lamina13_25, Lesedi_24, Levia_24, Licorice_27, LilBib_26, Lockley_25, Lopton_26, LunarLander_25, MPlant7149_24, Magnar_25, Magnito_24, Makemake_25, Manatee_26, Marcell_25, Marchy_24, Marco3_25, Marge_26, Maroc7_24, Marsha_25, MaryBeth_25, McGuire_26, McSinger_26, MetalQZJ_25, Michley_25, Mkhuseli_26, Molly_26, Monet_27, Moose_24, MrGordo_25, Mryolo_24, Mule_25, Museum_27, NEHalo_25, Naira_26, Nerujay_26, Nhonho_25, Niza_27, Norz_27, Ohno789_25, Oogway_24, PSullivan_27, PacerPaul_25, Papez_27, Paphu_24, Paraselene_24, Pari_26, Parliament_24, PascalRango_24, PattyP_27, Payneful_25, Pelly_26, Pepe_26, Perseus_26, Peterson_28, Petp2012_27, Petruchio_26, PherrisBueller_26, PhineBark_25, Phlippers_24, PhrostyMug_25, PinkPlastic_24, Pinto_28, Pippin_27, Pita2_27, ProMouse_24, QTRlifeCrisis_25, Raid_26, Rajelicia_25, Rhynn_25, RidgeCB_25, Ringer_25, Rohr_26, Rubeus_26, Rufus_26, Ruotula_24, Rutherford_27, STLscum_26, Sagefire_26, Sandaddy_24, Sanya_24, SarFire_25, Scowl_26, Seabiscuit_27, Seanderson_26, ShortQueendom_24, Sibs6_27, SkiPole_27, Slagathor_26, Smairt_26, Smeagol_27, Snazzy_24, Solon_25, Sorpresa_25, SpikeBT_27, Squee_26, StewieG_24, StrongArm_24, Sumter_24, Sunshine924_24, SwissCheese_26, Switzer_26, Swole_27, Target_28, Tasp14_26, Teodoridan_23, TheloniousMonk_27, Thor_25, Topgun_25, Tote_27, Traft412_27, Treddle_27, Tripl3t_26, Trouble_26, Turj99_24, TwoPeat_26, U2_25, Violet_24, Watermelon_27, Wheeler_25, Wilkins_25, Zeeculate_25, Zephyr_25, Zeuska_26,

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

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

- DroogsArmy_27, FlyCatcher_30, HINdeR_26, Sheen_28, Timshel_27, Toro_29,

Summary by start number:

Start 2:

- Found in 230 of 236 (97.5%) of genes in pham
- Manual Annotations of this start: 209 of 213
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A6_23 (A1), AFIS_25 (A1), Abbyshoes_26 (A1), Abrogate_260 (A1), Acme_27 (A1), Adahisdi_26 (A1), Aeneas_27 (A1), Agaliana_26 (A1), Ajay_26 (A1), Alsfro_29 (A1), Altman_27 (A1), Alvin_26 (A1), Anglerfish_26 (A1), Applejack_25 (A1), Arcanine_26 (A1), Arlo_24 (A1), Ashballer_25 (A1), Atkinbua_27 (A1), BK1_23 (A1), BPBiebs31_26 (A1), BaconJack_27 (A1), Barriga_25 (A1), BarrowTuph_24 (A1), Beatrix_25 (A1), BeesKnees_26 (A1), Bethlehem_25 (A1), Bexan_24 (A1), Big3_25 (A1), BigMau_27 (A1), BigPaolini_26 (A1), Bigchungi_25 (A1), Bigfoot_24 (A1), BillKnuckles_26 (A1), Bircsak_25 (A1), BluSpix_25 (A1), Blue_25 (A1), Bob3_24 (A1), Bones_25 (A1), Briton15_27 (A1), Bruns_24 (A1), Burton_26 (A1), Buttons_26 (A1), Bxb1_23 (A1), CactusRose_24 (A1), Carlyle_27 (A1), Chanagan_24 (A1), Ciao_25 (A1), ConceptII_27 (A1), Corvo_26 (A1), Crispicous1_24 (A1), Cueylyss_25 (A1), DD5_26 (A1), Dexes_26 (A1), Doom_26 (A1), DrFeelGood_24 (A1), DreamCatcher_28 (A1), Dreamboat_26 (A1), Dulcie_24 (A1), Dussy_26 (A1), Dynamix_26 (A1), Edtherson_26 (A1), EnzoK_25 (A1), Espresso_25 (A1), Euphoria_25 (A1), Eyeball_25 (A1), Fajezeel_27 (A1), Fascinus_24 (A1), Fenn_26 (A1), Forsytheast_24 (A1), Francis47_25 (A1), FrogHopper_26 (A1), Fushigi_26 (A1), GMonster_24 (A1), GageAP_27 (A1), Gandalf20_26 (A1), Gompeii16_25 (A1), Graduation_27 (A1), GrecoEtereo_27 (A1), Greg_27 (A1), Gwendoluna_27 (A1), Gyzlar_27 (A1), Hami1_27 (A1), HanShotFirst_25 (A1), HarryOW_26 (A1), Hermia_28 (A1), HermioneGrange_25 (A1), Homines_25 (A1), Hope4ever_25 (A1), ILeeKay_27 (A1), Ichabod_26 (A1), IgnatiusPatJac_24 (A1), Inyanga_24 (A1), Iqorha_24 (A1), JC27_27 (A1), JackSparrow_26 (A1), Jasper_26 (A1), Jerm2_26 (A1), Jorgensen_25 (A1), JuliaChild_27 (A1), KBG_26 (A1), KSSJEB_25 (A1), Kanely_26 (A1), Kenmech_28 (A1), Killigrew_23 (A1), Kugel_26 (A1), KyMonks1A_27 (A1), Kykar_23 (A1), Lamina13_25 (A1), Lesedi_24 (A1), Levia_24 (A1), Licorice_27 (A1), LilBib_26 (A1), Lockley_25 (A1), Lopton_26 (A1), LunarLander_25 (A1), MPlant7149_24 (A1), Magnar_25 (A1), Magnito_24 (A1), Makemake_25 (A1), Manatee_26 (A1), Marcell_25 (A1), Marchy_24 (A1), Marco3_25 (A1), Marge_26 (A1), Maroc7_24 (A1), Marsha_25 (A1), MaryBeth_25 (A1), McGuire_26 (A1), McSinger_26 (A1), MetalQZJ_25 (A1), Michley_25 (A1), Mkhuseli_26 (A1), Molly_26 (A1), Monet_27 (A1), Moose_24 (A1), MrGordo_25 (A1), Mryolo_24 (A1), Mule_25 (A1), Museum_27 (A1), NEHalo_25 (A1), Naira_26 (A1), Nerujay_26 (A1), Nhonho_25 (A1), Niza_27 (A1), Norz_27 (A1), Ohno789_25 (A1), Oogway_24 (A1), PSullivan_27 (A1), PacerPaul_25 (A1), Papez_27 (A1), Paphu_24 (A1), Paraselene_24 (A1), Pari_26 (A1), Parliament_24 (A1), PascalRango_24 (A1), PattyP_27 (A1), Payneful_25 (A1), Pelly_26 (A1), Pepe_26 (A1), Perseus_26 (A1), Peterson_28 (A1), Petp2012_27 (A1), Petruccio_26 (A1), PherrisBueller_26 (A1), PhineBark_25 (A1), Phlippers_24 (A1), PhrostyMug_25 (A1), PinkPlastic_24 (A1), Pinto_28 (A1), Pippin_27 (A1), Pita2_27 (A1), ProMouse_24 (A1), QTRlifeCrisis_25 (A1), Raid_26 (A1), Rajelicia_25 (A1), Rhyinn_25 (A1), RidgeCB_25 (A1), Ringer_25 (A1), Rohr_26 (A1), Rubeus_26

(A1), Rufus_26 (A1), Ruotula_24 (A1), Rutherferd_27 (A1), STLscum_26 (A1), Sagefire_26 (A1), Sandaddy_24 (A1), Sanya_24 (A1), SarFire_25 (A1), Scowl_26 (A1), Seabiscuit_27 (A1), Seanderson_26 (A1), ShortQueendom_24 (A1), Sibs6_27 (A1), SkiPole_27 (A1), Slagathor_26 (A1), Smairt_26 (A1), Smeagol_27 (A1), Snazzy_24 (A1), Solon_25 (A1), Sorpresa_25 (A1), SpikeBT_27 (A1), Squee_26 (A1), StewieG_24 (A1), StrongArm_24 (A1), Sumter_24 (A1), Sunshine924_24 (A1), SwissCheese_26 (A1), Switzer_26 (A1), Swole_27 (A1), Target_28 (A1), Tasp14_26 (A1), Teodoridan_23 (A1), TheloniousMonk_27 (A1), Thor_25 (A1), Topgun_25 (A1), Tote_27 (A1), Traft412_27 (A1), Treddle_27 (A1), Tripl3t_26 (A1), Trouble_26 (A1), Turj99_24 (A1), TwoPeat_26 (A1), U2_25 (A1), Violet_24 (A1), Watermelon_27 (A1), Wheeler_25 (A1), Wilkins_25 (A1), Zeeculate_25 (A1), Zephyr_25 (A1), Zeuska_26 (A1),

Start 3:

- Found in 3 of 236 (1.3%) of genes in pham
- Manual Annotations of this start: 1 of 213
- Called 100.0% of time when present
- Phage (with cluster) where this start called: FlyCatcher_30 (A7), Sheen_28 (A7), Toro_29 (A7),

Start 4:

- Found in 3 of 236 (1.3%) of genes in pham
- Manual Annotations of this start: 3 of 213
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DroogsArmy_27 (A7), HINdeR_26 (A7), Timshel_27 (A7),

Summary by clusters:

There are 2 clusters represented in this pham: A1, A7,

Info for manual annotations of cluster A1:

- Start number 2 was manually annotated 209 times for cluster A1.

Info for manual annotations of cluster A7:

- Start number 3 was manually annotated 1 time for cluster A7.
- Start number 4 was manually annotated 3 times for cluster A7.

Gene Information:

Gene: A6_23 Start: 18425, Stop: 20482, Start Num: 2

Candidate Starts for A6_23:

(Start: 2 @18425 has 209 MA's), (6, 18533), (7, 18557), (11, 18635), (15, 18776), (16, 18806), (18, 18848), (22, 18941), (28, 19199), (34, 19391), (40, 19535), (41, 19538), (45, 19574), (48, 19604), (49, 19613), (52, 19703), (56, 19868), (58, 19922), (59, 19973), (61, 20009), (64, 20054), (72, 20177), (76, 20228), (77, 20231), (79, 20303), (81, 20339), (82, 20399), (83, 20405),

Gene: AFIS_25 Start: 18946, Stop: 21003, Start Num: 2

Candidate Starts for AFIS_25:

(Start: 2 @18946 has 209 MA's), (6, 19054), (7, 19078), (11, 19156), (16, 19327), (18, 19369), (22, 19462), (28, 19720), (34, 19912), (40, 20056), (41, 20059), (45, 20095), (48, 20125), (49, 20134), (52,

20224), (56, 20389), (58, 20443), (59, 20494), (61, 20530), (62, 20557), (64, 20575), (72, 20698), (76, 20749), (77, 20752), (79, 20824), (81, 20860), (82, 20920), (83, 20926),

Gene: Abbysshoes_26 Start: 19083, Stop: 21140, Start Num: 2

Candidate Starts for Abbysshoes_26:

(Start: 2 @19083 has 209 MA's), (6, 19191), (7, 19215), (11, 19293), (15, 19434), (16, 19464), (18, 19506), (22, 19599), (28, 19857), (34, 20049), (40, 20193), (41, 20196), (42, 20202), (45, 20232), (48, 20262), (52, 20361), (56, 20526), (58, 20580), (59, 20631), (61, 20667), (64, 20712), (70, 20820), (72, 20835), (76, 20886), (77, 20889), (79, 20961), (81, 20997), (82, 21057), (83, 21063),

Gene: Abrogate_260 Start: 19621, Stop: 21678, Start Num: 2

Candidate Starts for Abrogate_260:

(Start: 2 @19621 has 209 MA's), (6, 19729), (7, 19753), (11, 19831), (15, 19972), (16, 20002), (17, 20029), (18, 20044), (22, 20137), (28, 20395), (34, 20587), (40, 20731), (41, 20734), (45, 20770), (52, 20899), (56, 21064), (58, 21118), (59, 21169), (61, 21205), (64, 21250), (72, 21373), (76, 21424), (77, 21427), (79, 21499), (81, 21535), (82, 21595), (83, 21601),

Gene: Acme_27 Start: 19184, Stop: 21241, Start Num: 2

Candidate Starts for Acme_27:

(Start: 2 @19184 has 209 MA's), (7, 19316), (11, 19394), (16, 19565), (18, 19607), (22, 19700), (28, 19958), (34, 20150), (40, 20294), (41, 20297), (45, 20333), (48, 20363), (52, 20462), (56, 20627), (58, 20681), (59, 20732), (61, 20768), (64, 20813), (70, 20921), (72, 20936), (76, 20987), (77, 20990), (79, 21062), (81, 21098), (82, 21158), (83, 21164),

Gene: Adahisdi_26 Start: 19091, Stop: 21148, Start Num: 2

Candidate Starts for Adahisdi_26:

(Start: 2 @19091 has 209 MA's), (6, 19199), (7, 19223), (11, 19301), (16, 19472), (17, 19499), (18, 19514), (22, 19607), (28, 19865), (34, 20057), (40, 20201), (41, 20204), (45, 20240), (48, 20270), (49, 20279), (52, 20369), (56, 20534), (58, 20588), (59, 20639), (61, 20675), (64, 20720), (70, 20828), (72, 20843), (76, 20894), (77, 20897), (79, 20969), (81, 21005), (82, 21065), (83, 21071),

Gene: Aeneas_27 Start: 19198, Stop: 21255, Start Num: 2

Candidate Starts for Aeneas_27:

(Start: 2 @19198 has 209 MA's), (6, 19306), (7, 19330), (11, 19408), (15, 19549), (16, 19579), (18, 19621), (22, 19714), (28, 19972), (34, 20164), (40, 20308), (41, 20311), (45, 20347), (48, 20377), (52, 20476), (56, 20641), (58, 20695), (59, 20746), (61, 20782), (64, 20827), (70, 20935), (72, 20950), (76, 21001), (77, 21004), (79, 21076), (81, 21112), (82, 21172), (83, 21178),

Gene: Agaliana_26 Start: 19142, Stop: 21199, Start Num: 2

Candidate Starts for Agaliana_26:

(Start: 2 @19142 has 209 MA's), (6, 19250), (7, 19274), (11, 19352), (15, 19493), (16, 19523), (18, 19565), (22, 19658), (28, 19916), (34, 20108), (40, 20252), (41, 20255), (45, 20291), (52, 20420), (56, 20585), (58, 20639), (59, 20690), (61, 20726), (64, 20771), (72, 20894), (73, 20900), (76, 20945), (77, 20948), (81, 21056), (82, 21116), (83, 21122),

Gene: Ajay_26 Start: 19396, Stop: 21453, Start Num: 2

Candidate Starts for Ajay_26:

(Start: 2 @19396 has 209 MA's), (6, 19504), (7, 19528), (11, 19606), (15, 19747), (16, 19777), (17, 19804), (18, 19819), (28, 20170), (34, 20362), (40, 20506), (41, 20509), (45, 20545), (52, 20674), (56, 20839), (58, 20893), (59, 20944), (61, 20980), (64, 21025), (72, 21148), (76, 21199), (77, 21202), (79, 21274), (81, 21310), (82, 21370), (83, 21376),

Gene: Alsfro_29 Start: 19629, Stop: 21686, Start Num: 2

Candidate Starts for Alsfro_29:

(Start: 2 @19629 has 209 MA's), (6, 19737), (7, 19761), (11, 19839), (15, 19980), (16, 20010), (18, 20052), (28, 20403), (34, 20595), (40, 20739), (41, 20742), (45, 20778), (48, 20808), (52, 20907), (56, 21072), (58, 21126), (59, 21177), (61, 21213), (62, 21240), (64, 21258), (70, 21366), (72, 21381), (76, 21432), (77, 21435), (79, 21507), (81, 21543), (82, 21603), (83, 21609),

Gene: Altman_27 Start: 19687, Stop: 21744, Start Num: 2

Candidate Starts for Altman_27:

(Start: 2 @19687 has 209 MA's), (6, 19795), (7, 19819), (11, 19897), (15, 20038), (16, 20068), (18, 20110), (22, 20203), (28, 20461), (34, 20653), (40, 20797), (41, 20800), (45, 20836), (48, 20866), (52, 20965), (56, 21130), (58, 21184), (59, 21235), (61, 21271), (64, 21316), (70, 21424), (72, 21439), (76, 21490), (77, 21493), (79, 21565), (81, 21601), (82, 21661), (83, 21667),

Gene: Alvin_26 Start: 19399, Stop: 21456, Start Num: 2

Candidate Starts for Alvin_26:

(Start: 2 @19399 has 209 MA's), (6, 19507), (7, 19531), (11, 19609), (15, 19750), (16, 19780), (17, 19807), (18, 19822), (22, 19915), (28, 20173), (34, 20365), (40, 20509), (41, 20512), (45, 20548), (52, 20677), (56, 20842), (58, 20896), (59, 20947), (61, 20983), (64, 21028), (70, 21136), (72, 21151), (76, 21202), (77, 21205), (79, 21277), (81, 21313), (82, 21373),

Gene: Anglerfish_26 Start: 19578, Stop: 21635, Start Num: 2

Candidate Starts for Anglerfish_26:

(Start: 2 @19578 has 209 MA's), (6, 19686), (7, 19710), (11, 19788), (15, 19929), (16, 19959), (18, 20001), (22, 20094), (28, 20352), (34, 20544), (40, 20688), (45, 20727), (48, 20757), (52, 20856), (56, 21021), (58, 21075), (59, 21126), (61, 21162), (64, 21207), (70, 21315), (72, 21330), (76, 21381), (77, 21384), (79, 21456), (81, 21492), (82, 21552), (83, 21558),

Gene: Applejack_25 Start: 18839, Stop: 20896, Start Num: 2

Candidate Starts for Applejack_25:

(Start: 2 @18839 has 209 MA's), (6, 18947), (7, 18971), (11, 19049), (15, 19190), (16, 19220), (18, 19262), (22, 19355), (28, 19613), (34, 19805), (40, 19949), (41, 19952), (45, 19988), (48, 20018), (52, 20117), (56, 20282), (58, 20336), (59, 20387), (61, 20423), (64, 20468), (70, 20576), (72, 20591), (76, 20642), (77, 20645), (79, 20717), (81, 20753), (82, 20813), (83, 20819),

Gene: Arcanine_26 Start: 18594, Stop: 20651, Start Num: 2

Candidate Starts for Arcanine_26:

(Start: 2 @18594 has 209 MA's), (6, 18702), (7, 18726), (11, 18804), (15, 18945), (16, 18975), (18, 19017), (28, 19368), (34, 19560), (40, 19704), (41, 19707), (45, 19743), (52, 19872), (56, 20037), (58, 20091), (59, 20142), (61, 20178), (62, 20205), (64, 20223), (70, 20331), (72, 20346), (76, 20397), (77, 20400), (79, 20472), (81, 20508), (82, 20568), (83, 20574),

Gene: Arlo_24 Start: 18468, Stop: 20525, Start Num: 2

Candidate Starts for Arlo_24:

(Start: 2 @18468 has 209 MA's), (6, 18576), (7, 18600), (11, 18678), (15, 18819), (16, 18849), (17, 18876), (18, 18891), (22, 18984), (28, 19242), (34, 19434), (40, 19578), (41, 19581), (45, 19617), (52, 19746), (56, 19911), (58, 19965), (59, 20016), (61, 20052), (64, 20097), (70, 20205), (72, 20220), (76, 20271), (77, 20274), (79, 20346), (81, 20382), (82, 20442), (83, 20448),

Gene: Ashballer_25 Start: 19339, Stop: 21396, Start Num: 2

Candidate Starts for Ashballer_25:

(Start: 2 @19339 has 209 MA's), (6, 19447), (7, 19471), (11, 19549), (15, 19690), (16, 19720), (17, 19747), (18, 19762), (22, 19855), (28, 20113), (34, 20305), (40, 20449), (41, 20452), (45, 20488), (52, 20617), (56, 20782), (58, 20836), (59, 20887), (61, 20923), (64, 20968), (70, 21076), (72, 21091), (76,

21142), (77, 21145), (79, 21217), (81, 21253), (82, 21313), (83, 21319),

Gene: Atkinbua_27 Start: 19292, Stop: 21349, Start Num: 2

Candidate Starts for Atkinbua_27:

(Start: 2 @19292 has 209 MA's), (6, 19400), (7, 19424), (11, 19502), (16, 19673), (18, 19715), (22, 19808), (28, 20066), (34, 20258), (40, 20402), (41, 20405), (45, 20441), (52, 20570), (56, 20735), (58, 20789), (59, 20840), (61, 20876), (64, 20921), (70, 21029), (72, 21044), (76, 21095), (77, 21098), (79, 21170), (81, 21206), (82, 21266), (83, 21272),

Gene: BK1_23 Start: 18425, Stop: 20482, Start Num: 2

Candidate Starts for BK1_23:

(Start: 2 @18425 has 209 MA's), (6, 18533), (7, 18557), (11, 18635), (15, 18776), (16, 18806), (18, 18848), (22, 18941), (28, 19199), (34, 19391), (40, 19535), (41, 19538), (45, 19574), (48, 19604), (49, 19613), (52, 19703), (56, 19868), (58, 19922), (59, 19973), (61, 20009), (64, 20054), (72, 20177), (76, 20228), (77, 20231), (79, 20303), (81, 20339), (82, 20399), (83, 20405),

Gene: BPBiebs31_26 Start: 19106, Stop: 21163, Start Num: 2

Candidate Starts for BPBiebs31_26:

(Start: 2 @19106 has 209 MA's), (6, 19214), (7, 19238), (11, 19316), (15, 19457), (16, 19487), (17, 19514), (18, 19529), (22, 19622), (28, 19880), (34, 20072), (40, 20216), (41, 20219), (45, 20255), (48, 20285), (52, 20384), (56, 20549), (58, 20603), (59, 20654), (61, 20690), (64, 20735), (72, 20858), (76, 20909), (77, 20912), (79, 20984), (81, 21020), (82, 21080), (83, 21086),

Gene: BaconJack_27 Start: 19108, Stop: 21165, Start Num: 2

Candidate Starts for BaconJack_27:

(Start: 2 @19108 has 209 MA's), (6, 19216), (7, 19240), (11, 19318), (15, 19459), (16, 19489), (17, 19516), (18, 19531), (22, 19624), (28, 19882), (34, 20074), (40, 20218), (41, 20221), (45, 20257), (48, 20287), (52, 20386), (56, 20551), (58, 20605), (59, 20656), (61, 20692), (64, 20737), (70, 20845), (72, 20860), (76, 20911), (77, 20914), (79, 20986), (81, 21022), (82, 21082), (83, 21088),

Gene: Barriga_25 Start: 18694, Stop: 20751, Start Num: 2

Candidate Starts for Barriga_25:

(Start: 2 @18694 has 209 MA's), (6, 18802), (7, 18826), (11, 18904), (15, 19045), (16, 19075), (18, 19117), (22, 19210), (28, 19468), (34, 19660), (40, 19804), (41, 19807), (45, 19843), (52, 19972), (56, 20137), (58, 20191), (59, 20242), (61, 20278), (64, 20323), (70, 20431), (72, 20446), (76, 20497), (77, 20500), (79, 20572), (81, 20608), (82, 20668), (83, 20674),

Gene: BarrowTuph_24 Start: 18737, Stop: 20794, Start Num: 2

Candidate Starts for BarrowTuph_24:

(Start: 2 @18737 has 209 MA's), (6, 18845), (7, 18869), (11, 18947), (15, 19088), (16, 19118), (17, 19145), (18, 19160), (22, 19253), (25, 19400), (28, 19511), (34, 19703), (40, 19847), (41, 19850), (45, 19886), (48, 19916), (52, 20015), (56, 20180), (58, 20234), (59, 20285), (61, 20321), (64, 20366), (70, 20474), (72, 20489), (76, 20540), (77, 20543), (79, 20615), (81, 20651), (82, 20711), (83, 20717),

Gene: Beatrix_25 Start: 20298, Stop: 22355, Start Num: 2

Candidate Starts for Beatrix_25:

(Start: 2 @20298 has 209 MA's), (6, 20406), (7, 20430), (11, 20508), (15, 20649), (16, 20679), (18, 20721), (22, 20814), (25, 20961), (28, 21072), (34, 21264), (40, 21408), (41, 21411), (45, 21447), (48, 21477), (52, 21576), (56, 21741), (58, 21795), (59, 21846), (61, 21882), (64, 21927), (70, 22035), (72, 22050), (76, 22101), (77, 22104), (79, 22176), (81, 22212), (82, 22272), (83, 22278),

Gene: BeesKnees_26 Start: 18893, Stop: 20950, Start Num: 2

Candidate Starts for BeesKnees_26:

(Start: 2 @18893 has 209 MA's), (6, 19001), (7, 19025), (11, 19103), (15, 19244), (16, 19274), (18, 19316), (28, 19667), (34, 19859), (40, 20003), (41, 20006), (45, 20042), (52, 20171), (56, 20336), (58, 20390), (59, 20441), (61, 20477), (62, 20504), (64, 20522), (70, 20630), (72, 20645), (76, 20696), (77, 20699), (79, 20771), (81, 20807), (82, 20867), (83, 20873),

Gene: Bethlehem_25 Start: 20121, Stop: 22178, Start Num: 2

Candidate Starts for Bethlehem_25:

(Start: 2 @20121 has 209 MA's), (6, 20229), (7, 20253), (11, 20331), (15, 20472), (16, 20502), (18, 20544), (28, 20895), (34, 21087), (40, 21231), (41, 21234), (45, 21270), (48, 21300), (49, 21309), (52, 21399), (56, 21564), (58, 21618), (59, 21669), (61, 21705), (62, 21732), (64, 21750), (70, 21858), (72, 21873), (76, 21924), (77, 21927), (79, 21999), (81, 22035), (82, 22095), (83, 22101),

Gene: Bexan_24 Start: 19843, Stop: 21900, Start Num: 2

Candidate Starts for Bexan_24:

(Start: 2 @19843 has 209 MA's), (6, 19951), (7, 19975), (11, 20053), (16, 20224), (17, 20251), (18, 20266), (22, 20359), (28, 20617), (34, 20809), (40, 20953), (41, 20956), (45, 20992), (52, 21121), (56, 21286), (58, 21340), (59, 21391), (61, 21427), (64, 21472), (72, 21595), (76, 21646), (77, 21649), (79, 21721), (81, 21757), (82, 21817), (83, 21823),

Gene: Big3_25 Start: 19474, Stop: 21531, Start Num: 2

Candidate Starts for Big3_25:

(Start: 2 @19474 has 209 MA's), (6, 19582), (7, 19606), (11, 19684), (15, 19825), (16, 19855), (17, 19882), (18, 19897), (28, 20248), (34, 20440), (40, 20584), (41, 20587), (45, 20623), (48, 20653), (52, 20752), (56, 20917), (58, 20971), (59, 21022), (61, 21058), (64, 21103), (70, 21211), (72, 21226), (76, 21277), (77, 21280), (79, 21352), (81, 21388), (82, 21448), (83, 21454),

Gene: BigMau_27 Start: 19075, Stop: 21132, Start Num: 2

Candidate Starts for BigMau_27:

(Start: 2 @19075 has 209 MA's), (6, 19183), (7, 19207), (11, 19285), (16, 19456), (17, 19483), (18, 19498), (22, 19591), (28, 19849), (34, 20041), (40, 20185), (41, 20188), (45, 20224), (48, 20254), (52, 20353), (56, 20518), (58, 20572), (59, 20623), (61, 20659), (64, 20704), (70, 20812), (72, 20827), (76, 20878), (77, 20881), (79, 20953), (81, 20989), (82, 21049), (83, 21055),

Gene: BigPaolini_26 Start: 19494, Stop: 21551, Start Num: 2

Candidate Starts for BigPaolini_26:

(Start: 2 @19494 has 209 MA's), (6, 19602), (7, 19626), (11, 19704), (15, 19845), (16, 19875), (18, 19917), (22, 20010), (25, 20157), (28, 20268), (34, 20460), (40, 20604), (41, 20607), (45, 20643), (48, 20673), (52, 20772), (56, 20937), (58, 20991), (59, 21042), (61, 21078), (64, 21123), (70, 21231), (72, 21246), (76, 21297), (77, 21300), (79, 21372), (81, 21408), (82, 21468), (83, 21474),

Gene: Bigchungj_25 Start: 18867, Stop: 20924, Start Num: 2

Candidate Starts for Bigchungj_25:

(Start: 2 @18867 has 209 MA's), (6, 18975), (7, 18999), (11, 19077), (15, 19218), (16, 19248), (18, 19290), (22, 19383), (28, 19641), (34, 19833), (40, 19977), (41, 19980), (45, 20016), (48, 20046), (52, 20145), (56, 20310), (58, 20364), (59, 20415), (61, 20451), (64, 20496), (70, 20604), (72, 20619), (76, 20670), (77, 20673), (79, 20745), (81, 20781), (82, 20841), (83, 20847),

Gene: Bigfoot_24 Start: 18703, Stop: 20760, Start Num: 2

Candidate Starts for Bigfoot_24:

(Start: 2 @18703 has 209 MA's), (6, 18811), (7, 18835), (11, 18913), (15, 19054), (16, 19084), (17, 19111), (18, 19126), (22, 19219), (28, 19477), (34, 19669), (40, 19813), (41, 19816), (45, 19852), (48, 19882), (52, 19981), (56, 20146), (58, 20200), (59, 20251), (61, 20287), (64, 20332), (72, 20455), (76, 20506), (77, 20509), (79, 20581), (81, 20617), (82, 20677), (83, 20683),

Gene: BillKnuckles_26 Start: 19559, Stop: 21616, Start Num: 2

Candidate Starts for BillKnuckles_26:

(Start: 2 @19559 has 209 MA's), (6, 19667), (7, 19691), (11, 19769), (15, 19910), (16, 19940), (17, 19967), (18, 19982), (28, 20333), (34, 20525), (40, 20669), (41, 20672), (45, 20708), (48, 20738), (52, 20837), (56, 21002), (58, 21056), (59, 21107), (61, 21143), (64, 21188), (70, 21296), (72, 21311), (76, 21362), (77, 21365), (79, 21437), (81, 21473), (82, 21533), (83, 21539),

Gene: Bircsak_25 Start: 19353, Stop: 21410, Start Num: 2

Candidate Starts for Bircsak_25:

(Start: 2 @19353 has 209 MA's), (6, 19461), (7, 19485), (11, 19563), (15, 19704), (16, 19734), (18, 19776), (22, 19869), (28, 20127), (34, 20319), (40, 20463), (41, 20466), (45, 20502), (48, 20532), (52, 20631), (58, 20850), (59, 20901), (61, 20937), (64, 20982), (70, 21090), (72, 21105), (76, 21156), (77, 21159), (81, 21267), (82, 21327), (83, 21333),

Gene: BluSpix_25 Start: 18855, Stop: 20912, Start Num: 2

Candidate Starts for BluSpix_25:

(Start: 2 @18855 has 209 MA's), (6, 18963), (7, 18987), (11, 19065), (15, 19206), (16, 19236), (18, 19278), (22, 19371), (28, 19629), (34, 19821), (40, 19965), (41, 19968), (45, 20004), (48, 20034), (49, 20043), (52, 20133), (56, 20298), (58, 20352), (59, 20403), (61, 20439), (64, 20484), (70, 20592), (72, 20607), (76, 20658), (77, 20661), (79, 20733), (81, 20769), (82, 20829), (83, 20835),

Gene: Blue_25 Start: 19327, Stop: 21384, Start Num: 2

Candidate Starts for Blue_25:

(Start: 2 @19327 has 209 MA's), (6, 19435), (7, 19459), (11, 19537), (15, 19678), (16, 19708), (18, 19750), (22, 19843), (28, 20101), (34, 20293), (40, 20437), (41, 20440), (45, 20476), (48, 20506), (52, 20605), (56, 20770), (58, 20824), (59, 20875), (61, 20911), (64, 20956), (70, 21064), (72, 21079), (76, 21130), (77, 21133), (79, 21205), (81, 21241), (82, 21301), (83, 21307),

Gene: Bob3_24 Start: 18415, Stop: 20472, Start Num: 2

Candidate Starts for Bob3_24:

(Start: 2 @18415 has 209 MA's), (6, 18523), (7, 18547), (11, 18625), (16, 18796), (17, 18823), (18, 18838), (22, 18931), (28, 19189), (34, 19381), (40, 19525), (41, 19528), (45, 19564), (48, 19594), (52, 19693), (56, 19858), (58, 19912), (59, 19963), (61, 19999), (64, 20044), (70, 20152), (72, 20167), (76, 20218), (77, 20221), (79, 20293), (81, 20329), (82, 20389), (83, 20395),

Gene: Bones_25 Start: 18781, Stop: 20838, Start Num: 2

Candidate Starts for Bones_25:

(Start: 2 @18781 has 209 MA's), (6, 18889), (7, 18913), (11, 18991), (15, 19132), (16, 19162), (18, 19204), (22, 19297), (28, 19555), (34, 19747), (40, 19891), (41, 19894), (45, 19930), (52, 20059), (56, 20224), (58, 20278), (59, 20329), (61, 20365), (64, 20410), (70, 20518), (72, 20533), (76, 20584), (77, 20587), (79, 20659), (81, 20695), (82, 20755), (83, 20761),

Gene: Briton15_27 Start: 19150, Stop: 21207, Start Num: 2

Candidate Starts for Briton15_27:

(Start: 2 @19150 has 209 MA's), (6, 19258), (7, 19282), (11, 19360), (15, 19501), (16, 19531), (18, 19573), (22, 19666), (28, 19924), (34, 20116), (40, 20260), (41, 20263), (45, 20299), (52, 20428), (56, 20593), (58, 20647), (59, 20698), (61, 20734), (64, 20779), (72, 20902), (76, 20953), (77, 20956), (79, 21028), (81, 21064), (82, 21124), (83, 21130),

Gene: Bruns_24 Start: 18778, Stop: 20835, Start Num: 2

Candidate Starts for Bruns_24:

(Start: 2 @18778 has 209 MA's), (6, 18886), (7, 18910), (11, 18988), (15, 19129), (16, 19159), (18, 19201), (28, 19552), (34, 19744), (40, 19888), (41, 19891), (45, 19927), (52, 20056), (56, 20221), (58, 20275), (59, 20326), (61, 20362), (64, 20407), (70, 20515), (72, 20530), (76, 20581), (77, 20584), (79, 20656), (81, 20692), (82, 20752), (83, 20758),

Gene: Burton_26 Start: 18976, Stop: 21033, Start Num: 2

Candidate Starts for Burton_26:

(Start: 2 @18976 has 209 MA's), (6, 19084), (7, 19108), (11, 19186), (15, 19327), (16, 19357), (18, 19399), (22, 19492), (28, 19750), (34, 19942), (40, 20086), (41, 20089), (45, 20125), (52, 20254), (56, 20419), (58, 20473), (59, 20524), (61, 20560), (72, 20728), (76, 20779), (77, 20782), (79, 20854), (81, 20890), (82, 20950), (83, 20956),

Gene: Buttons_26 Start: 19337, Stop: 21394, Start Num: 2

Candidate Starts for Buttons_26:

(Start: 2 @19337 has 209 MA's), (6, 19445), (7, 19469), (11, 19547), (15, 19688), (16, 19718), (18, 19760), (22, 19853), (28, 20111), (34, 20303), (40, 20447), (41, 20450), (45, 20486), (48, 20516), (52, 20615), (56, 20780), (58, 20834), (59, 20885), (61, 20921), (64, 20966), (70, 21074), (72, 21089), (76, 21140), (77, 21143), (79, 21215), (81, 21251), (82, 21311), (83, 21317),

Gene: Bxb1_23 Start: 18927, Stop: 20984, Start Num: 2

Candidate Starts for Bxb1_23:

(Start: 2 @18927 has 209 MA's), (6, 19035), (7, 19059), (11, 19137), (15, 19278), (16, 19308), (17, 19335), (18, 19350), (28, 19701), (34, 19893), (40, 20037), (41, 20040), (45, 20076), (48, 20106), (52, 20205), (56, 20370), (58, 20424), (59, 20475), (61, 20511), (64, 20556), (70, 20664), (72, 20679), (76, 20730), (77, 20733), (79, 20805), (81, 20841), (82, 20901), (83, 20907),

Gene: CactusRose_24 Start: 18776, Stop: 20833, Start Num: 2

Candidate Starts for CactusRose_24:

(Start: 2 @18776 has 209 MA's), (6, 18884), (7, 18908), (11, 18986), (15, 19127), (16, 19157), (18, 19199), (22, 19292), (28, 19550), (34, 19742), (40, 19886), (41, 19889), (45, 19925), (48, 19955), (49, 19964), (52, 20054), (56, 20219), (58, 20273), (59, 20324), (61, 20360), (62, 20387), (64, 20405), (72, 20528), (76, 20579), (77, 20582), (79, 20654), (81, 20690), (82, 20750), (83, 20756),

Gene: Carlyle_27 Start: 19656, Stop: 21713, Start Num: 2

Candidate Starts for Carlyle_27:

(Start: 2 @19656 has 209 MA's), (6, 19764), (7, 19788), (11, 19866), (15, 20007), (16, 20037), (18, 20079), (22, 20172), (28, 20430), (34, 20622), (40, 20766), (41, 20769), (45, 20805), (48, 20835), (52, 20934), (56, 21099), (58, 21153), (59, 21204), (61, 21240), (64, 21285), (70, 21393), (72, 21408), (76, 21459), (77, 21462), (79, 21534), (81, 21570), (82, 21630), (83, 21636),

Gene: Chanagan_24 Start: 18441, Stop: 20498, Start Num: 2

Candidate Starts for Chanagan_24:

(Start: 2 @18441 has 209 MA's), (6, 18549), (7, 18573), (11, 18651), (15, 18792), (16, 18822), (17, 18849), (18, 18864), (22, 18957), (25, 19104), (28, 19215), (34, 19407), (40, 19551), (41, 19554), (45, 19590), (52, 19719), (56, 19884), (58, 19938), (59, 19989), (61, 20025), (64, 20070), (70, 20178), (72, 20193), (76, 20244), (77, 20247), (79, 20319), (81, 20355), (82, 20415), (83, 20421),

Gene: Ciao_25 Start: 18806, Stop: 20863, Start Num: 2

Candidate Starts for Ciao_25:

(Start: 2 @18806 has 209 MA's), (7, 18938), (11, 19016), (16, 19187), (18, 19229), (22, 19322), (28, 19580), (34, 19772), (40, 19916), (41, 19919), (45, 19955), (48, 19985), (52, 20084), (56, 20249), (58, 20303), (59, 20354), (61, 20390), (64, 20435), (70, 20543), (72, 20558), (76, 20609), (77, 20612), (79, 20684), (81, 20720), (82, 20780), (83, 20786),

Gene: ConceptII_27 Start: 19820, Stop: 21877, Start Num: 2

Candidate Starts for ConceptII_27:

(Start: 2 @19820 has 209 MA's), (6, 19928), (7, 19952), (11, 20030), (15, 20171), (16, 20201), (18, 20243), (28, 20594), (34, 20786), (40, 20930), (41, 20933), (45, 20969), (52, 21098), (56, 21263), (58, 21317), (59, 21368), (61, 21404), (64, 21449), (70, 21557), (72, 21572), (76, 21623), (77, 21626), (79, 21698), (81, 21734), (82, 21794), (83, 21800),

Gene: Corvo_26 Start: 19795, Stop: 21852, Start Num: 2

Candidate Starts for Corvo_26:

(Start: 2 @19795 has 209 MA's), (6, 19903), (7, 19927), (11, 20005), (15, 20146), (16, 20176), (18, 20218), (22, 20311), (28, 20569), (34, 20761), (40, 20905), (45, 20944), (48, 20974), (52, 21073), (56, 21238), (58, 21292), (59, 21343), (61, 21379), (64, 21424), (70, 21532), (72, 21547), (76, 21598), (77, 21601), (79, 21673), (81, 21709), (82, 21769), (83, 21775),

Gene: Crispicous1_24 Start: 18312, Stop: 20369, Start Num: 2

Candidate Starts for Crispicous1_24:

(Start: 2 @18312 has 209 MA's), (6, 18420), (7, 18444), (11, 18522), (15, 18663), (16, 18693), (17, 18720), (18, 18735), (22, 18828), (28, 19086), (34, 19278), (40, 19422), (41, 19425), (45, 19461), (48, 19491), (52, 19590), (56, 19755), (58, 19809), (59, 19860), (61, 19896), (64, 19941), (70, 20049), (72, 20064), (76, 20115), (77, 20118), (79, 20190), (81, 20226), (82, 20286), (83, 20292),

Gene: Cueyllyss_25 Start: 19014, Stop: 21071, Start Num: 2

Candidate Starts for Cueyllyss_25:

(Start: 2 @19014 has 209 MA's), (6, 19122), (7, 19146), (11, 19224), (15, 19365), (16, 19395), (18, 19437), (22, 19530), (28, 19788), (34, 19980), (40, 20124), (41, 20127), (45, 20163), (48, 20193), (49, 20202), (52, 20292), (56, 20457), (58, 20511), (59, 20562), (61, 20598), (64, 20643), (70, 20751), (72, 20766), (76, 20817), (77, 20820), (79, 20892), (81, 20928), (82, 20988), (83, 20994),

Gene: DD5_26 Start: 19562, Stop: 21619, Start Num: 2

Candidate Starts for DD5_26:

(Start: 2 @19562 has 209 MA's), (6, 19670), (7, 19694), (11, 19772), (15, 19913), (16, 19943), (18, 19985), (28, 20336), (34, 20528), (40, 20672), (41, 20675), (45, 20711), (48, 20741), (49, 20750), (52, 20840), (56, 21005), (58, 21059), (59, 21110), (61, 21146), (62, 21173), (64, 21191), (70, 21299), (72, 21314), (76, 21365), (77, 21368), (79, 21440), (81, 21476), (82, 21536), (83, 21542),

Gene: Dexes_26 Start: 19522, Stop: 21579, Start Num: 2

Candidate Starts for Dexes_26:

(Start: 2 @19522 has 209 MA's), (6, 19630), (7, 19654), (11, 19732), (15, 19873), (16, 19903), (18, 19945), (28, 20296), (34, 20488), (40, 20632), (45, 20671), (52, 20800), (56, 20965), (58, 21019), (59, 21070), (61, 21106), (64, 21151), (70, 21259), (72, 21274), (76, 21325), (77, 21328), (79, 21400), (81, 21436), (82, 21496), (83, 21502),

Gene: Doom_26 Start: 19652, Stop: 21709, Start Num: 2

Candidate Starts for Doom_26:

(Start: 2 @19652 has 209 MA's), (6, 19760), (7, 19784), (11, 19862), (15, 20003), (16, 20033), (17, 20060), (18, 20075), (22, 20168), (28, 20426), (34, 20618), (40, 20762), (41, 20765), (45, 20801), (48, 20831), (52, 20930), (58, 21149), (59, 21200), (61, 21236), (64, 21281), (70, 21389), (72, 21404), (76, 21455), (77, 21458), (79, 21530), (81, 21566), (82, 21626), (83, 21632),

Gene: DrFeelGood_24 Start: 19176, Stop: 21233, Start Num: 2

Candidate Starts for DrFeelGood_24:

(Start: 2 @19176 has 209 MA's), (6, 19284), (7, 19308), (11, 19386), (15, 19527), (16, 19557), (17, 19584), (18, 19599), (22, 19692), (28, 19950), (34, 20142), (40, 20286), (41, 20289), (45, 20325), (52, 20454), (56, 20619), (58, 20673), (59, 20724), (61, 20760), (64, 20805), (70, 20913), (72, 20928), (76, 20979), (77, 20982), (79, 21054), (81, 21090), (82, 21150), (83, 21156),

Gene: DreamCatcher_28 Start: 20269, Stop: 22326, Start Num: 2

Candidate Starts for DreamCatcher_28:

(Start: 2 @20269 has 209 MA's), (6, 20377), (7, 20401), (11, 20479), (15, 20620), (16, 20650), (17, 20677), (18, 20692), (22, 20785), (28, 21043), (34, 21235), (40, 21379), (41, 21382), (45, 21418), (48, 21448), (52, 21547), (56, 21712), (58, 21766), (59, 21817), (61, 21853), (64, 21898), (70, 22006), (72, 22021), (76, 22072), (77, 22075), (79, 22147), (81, 22183), (82, 22243), (83, 22249),

Gene: Dreamboat_26 Start: 18799, Stop: 20856, Start Num: 2

Candidate Starts for Dreamboat_26:

(Start: 2 @18799 has 209 MA's), (6, 18907), (7, 18931), (11, 19009), (16, 19180), (18, 19222), (28, 19573), (34, 19765), (40, 19909), (41, 19912), (45, 19948), (48, 19978), (52, 20077), (56, 20242), (58, 20296), (59, 20347), (61, 20383), (64, 20428), (70, 20536), (72, 20551), (76, 20602), (77, 20605), (79, 20677), (81, 20713), (82, 20773), (83, 20779),

Gene: DroogsArmy_27 Start: 20642, Stop: 22624, Start Num: 4

Candidate Starts for DroogsArmy_27:

(Start: 4 @20642 has 3 MA's), (7, 20762), (9, 20810), (10, 20837), (11, 20840), (12, 20882), (13, 20936), (18, 21050), (19, 21053), (20, 21095), (23, 21185), (24, 21263), (29, 21449), (30, 21545), (31, 21560), (34, 21596), (36, 21629), (37, 21638), (46, 21782), (47, 21785), (51, 21851), (55, 21983), (57, 22064), (63, 22190), (67, 22274), (68, 22277), (69, 22295), (70, 22304), (72, 22319), (75, 22355), (76, 22370), (78, 22415), (80, 22469), (81, 22481), (84, 22571), (86, 22577), (87, 22616),

Gene: Dulcie_24 Start: 18496, Stop: 20553, Start Num: 2

Candidate Starts for Dulcie_24:

(Start: 2 @18496 has 209 MA's), (6, 18604), (7, 18628), (11, 18706), (15, 18847), (16, 18877), (17, 18904), (18, 18919), (28, 19270), (34, 19462), (40, 19606), (41, 19609), (45, 19645), (52, 19774), (56, 19939), (58, 19993), (59, 20044), (61, 20080), (64, 20125), (70, 20233), (72, 20248), (76, 20299), (77, 20302), (79, 20374), (81, 20410), (82, 20470), (83, 20476),

Gene: Dussy_26 Start: 19083, Stop: 21140, Start Num: 2

Candidate Starts for Dussy_26:

(Start: 2 @19083 has 209 MA's), (6, 19191), (7, 19215), (11, 19293), (15, 19434), (16, 19464), (18, 19506), (22, 19599), (28, 19857), (34, 20049), (40, 20193), (41, 20196), (42, 20202), (45, 20232), (48, 20262), (52, 20361), (56, 20526), (58, 20580), (59, 20631), (61, 20667), (64, 20712), (70, 20820), (72, 20835), (76, 20886), (77, 20889), (79, 20961), (81, 20997), (82, 21057), (83, 21063),

Gene: Dynamix_26 Start: 18900, Stop: 20957, Start Num: 2

Candidate Starts for Dynamix_26:

(Start: 2 @18900 has 209 MA's), (6, 19008), (7, 19032), (11, 19110), (15, 19251), (16, 19281), (17, 19308), (18, 19323), (22, 19416), (28, 19674), (34, 19866), (40, 20010), (41, 20013), (45, 20049), (52, 20178), (56, 20343), (58, 20397), (59, 20448), (61, 20484), (64, 20529), (72, 20652), (76, 20703), (77, 20706), (79, 20778), (81, 20814), (82, 20874), (83, 20880),

Gene: Edtherson_26 Start: 19647, Stop: 21704, Start Num: 2

Candidate Starts for Edtherson_26:

(Start: 2 @19647 has 209 MA's), (6, 19755), (7, 19779), (11, 19857), (15, 19998), (16, 20028), (18, 20070), (22, 20163), (28, 20421), (34, 20613), (40, 20757), (41, 20760), (45, 20796), (48, 20826), (52, 20925), (56, 21090), (58, 21144), (59, 21195), (61, 21231), (64, 21276), (70, 21384), (72, 21399), (76,

21450), (77, 21453), (79, 21525), (81, 21561), (82, 21621), (83, 21627),

Gene: EnzoK_25 Start: 19072, Stop: 21129, Start Num: 2

Candidate Starts for EnzoK_25:

(Start: 2 @19072 has 209 MA's), (6, 19180), (7, 19204), (11, 19282), (15, 19423), (16, 19453), (18, 19495), (28, 19846), (34, 20038), (40, 20182), (41, 20185), (45, 20221), (48, 20251), (52, 20350), (56, 20515), (58, 20569), (59, 20620), (61, 20656), (62, 20683), (64, 20701), (70, 20809), (72, 20824), (76, 20875), (77, 20878), (79, 20950), (81, 20986), (82, 21046), (83, 21052),

Gene: Espresso_25 Start: 18944, Stop: 21001, Start Num: 2

Candidate Starts for Espresso_25:

(Start: 2 @18944 has 209 MA's), (6, 19052), (7, 19076), (11, 19154), (17, 19352), (18, 19367), (22, 19460), (28, 19718), (34, 19910), (40, 20054), (41, 20057), (45, 20093), (48, 20123), (52, 20222), (56, 20387), (58, 20441), (59, 20492), (61, 20528), (64, 20573), (70, 20681), (72, 20696), (76, 20747), (77, 20750), (79, 20822), (81, 20858), (82, 20918), (83, 20924),

Gene: Euphoria_25 Start: 18832, Stop: 20889, Start Num: 2

Candidate Starts for Euphoria_25:

(Start: 2 @18832 has 209 MA's), (6, 18940), (7, 18964), (11, 19042), (15, 19183), (16, 19213), (18, 19255), (28, 19606), (34, 19798), (40, 19942), (41, 19945), (45, 19981), (48, 20011), (49, 20020), (52, 20110), (56, 20275), (58, 20329), (59, 20380), (61, 20416), (64, 20461), (70, 20569), (72, 20584), (76, 20635), (77, 20638), (79, 20710), (81, 20746), (82, 20806), (83, 20812),

Gene: Eyeball_25 Start: 18659, Stop: 20716, Start Num: 2

Candidate Starts for Eyeball_25:

(Start: 2 @18659 has 209 MA's), (6, 18767), (7, 18791), (11, 18869), (15, 19010), (16, 19040), (17, 19067), (18, 19082), (22, 19175), (28, 19433), (34, 19625), (40, 19769), (41, 19772), (45, 19808), (52, 19937), (56, 20102), (58, 20156), (59, 20207), (61, 20243), (62, 20270), (64, 20288), (70, 20396), (72, 20411), (76, 20462), (77, 20465), (79, 20537), (81, 20573), (82, 20633), (83, 20639),

Gene: Fajezeel_27 Start: 19169, Stop: 21226, Start Num: 2

Candidate Starts for Fajezeel_27:

(Start: 2 @19169 has 209 MA's), (6, 19277), (7, 19301), (11, 19379), (15, 19520), (16, 19550), (18, 19592), (22, 19685), (28, 19943), (34, 20135), (40, 20279), (41, 20282), (45, 20318), (48, 20348), (52, 20447), (56, 20612), (58, 20666), (59, 20717), (61, 20753), (64, 20798), (70, 20906), (72, 20921), (76, 20972), (77, 20975), (79, 21047), (81, 21083), (82, 21143), (83, 21149),

Gene: Fascinus_24 Start: 18700, Stop: 20757, Start Num: 2

Candidate Starts for Fascinus_24:

(Start: 2 @18700 has 209 MA's), (6, 18808), (7, 18832), (11, 18910), (15, 19051), (16, 19081), (18, 19123), (22, 19216), (28, 19474), (34, 19666), (40, 19810), (41, 19813), (45, 19849), (52, 19978), (56, 20143), (58, 20197), (59, 20248), (61, 20284), (64, 20329), (70, 20437), (72, 20452), (76, 20503), (77, 20506), (79, 20578), (81, 20614), (82, 20674), (83, 20680),

Gene: Fenn_26 Start: 20534, Stop: 22591, Start Num: 2

Candidate Starts for Fenn_26:

(Start: 2 @20534 has 209 MA's), (6, 20642), (7, 20666), (11, 20744), (15, 20885), (16, 20915), (18, 20957), (22, 21050), (28, 21308), (34, 21500), (40, 21644), (41, 21647), (45, 21683), (48, 21713), (52, 21812), (56, 21977), (58, 22031), (59, 22082), (61, 22118), (64, 22163), (70, 22271), (72, 22286), (76, 22337), (77, 22340), (79, 22412), (81, 22448), (82, 22508), (83, 22514),

Gene: FlyCatcher_30 Start: 20948, Stop: 22927, Start Num: 3

Candidate Starts for FlyCatcher_30:

(Start: 3 @20948 has 1 MA's), (5, 21026), (8, 21077), (9, 21116), (10, 21143), (11, 21146), (12, 21188), (14, 21278), (18, 21356), (19, 21359), (26, 21650), (28, 21710), (29, 21755), (30, 21851), (33, 21899), (34, 21902), (35, 21917), (36, 21935), (38, 21977), (39, 22034), (43, 22064), (52, 22214), (54, 22259), (55, 22286), (59, 22415), (63, 22493), (65, 22538), (66, 22553), (67, 22577), (71, 22613), (72, 22622), (78, 22718), (80, 22772), (81, 22784), (84, 22874), (85, 22877), (87, 22919),

Gene: Forsytheast_24 Start: 18858, Stop: 20915, Start Num: 2

Candidate Starts for Forsytheast_24:

(Start: 2 @18858 has 209 MA's), (6, 18966), (7, 18990), (11, 19068), (15, 19209), (16, 19239), (18, 19281), (28, 19632), (34, 19824), (40, 19968), (41, 19971), (45, 20007), (52, 20136), (56, 20301), (58, 20355), (59, 20406), (61, 20442), (64, 20487), (72, 20610), (76, 20661), (77, 20664), (79, 20736), (81, 20772), (82, 20832), (83, 20838),

Gene: Francis47_25 Start: 19406, Stop: 21463, Start Num: 2

Candidate Starts for Francis47_25:

(Start: 2 @19406 has 209 MA's), (6, 19514), (7, 19538), (11, 19616), (15, 19757), (16, 19787), (18, 19829), (22, 19922), (28, 20180), (34, 20372), (40, 20516), (41, 20519), (45, 20555), (52, 20684), (56, 20849), (58, 20903), (59, 20954), (61, 20990), (64, 21035), (72, 21158), (76, 21209), (77, 21212), (79, 21284), (81, 21320), (82, 21380), (83, 21386),

Gene: Froghopper_26 Start: 18821, Stop: 20878, Start Num: 2

Candidate Starts for Froghopper_26:

(Start: 2 @18821 has 209 MA's), (6, 18929), (7, 18953), (11, 19031), (15, 19172), (16, 19202), (18, 19244), (28, 19595), (34, 19787), (40, 19931), (41, 19934), (45, 19970), (52, 20099), (56, 20264), (58, 20318), (59, 20369), (61, 20405), (64, 20450), (70, 20558), (72, 20573), (76, 20624), (77, 20627), (79, 20699), (81, 20735), (82, 20795), (83, 20801),

Gene: Fushigi_26 Start: 19278, Stop: 21335, Start Num: 2

Candidate Starts for Fushigi_26:

(Start: 2 @19278 has 209 MA's), (6, 19386), (7, 19410), (11, 19488), (15, 19629), (16, 19659), (18, 19701), (22, 19794), (28, 20052), (34, 20244), (40, 20388), (41, 20391), (45, 20427), (52, 20556), (56, 20721), (58, 20775), (59, 20826), (61, 20862), (64, 20907), (72, 21030), (76, 21081), (77, 21084), (79, 21156), (81, 21192), (82, 21252), (83, 21258),

Gene: GMonster_24 Start: 18218, Stop: 20275, Start Num: 2

Candidate Starts for GMonster_24:

(Start: 2 @18218 has 209 MA's), (6, 18326), (7, 18350), (11, 18428), (15, 18569), (16, 18599), (18, 18641), (28, 18992), (34, 19184), (40, 19328), (41, 19331), (45, 19367), (48, 19397), (49, 19406), (52, 19496), (56, 19661), (58, 19715), (59, 19766), (61, 19802), (64, 19847), (70, 19955), (72, 19970), (76, 20021), (77, 20024), (79, 20096), (81, 20132), (82, 20192), (83, 20198),

Gene: GageAP_27 Start: 19570, Stop: 21627, Start Num: 2

Candidate Starts for GageAP_27:

(Start: 2 @19570 has 209 MA's), (6, 19678), (7, 19702), (11, 19780), (15, 19921), (16, 19951), (18, 19993), (28, 20344), (34, 20536), (40, 20680), (41, 20683), (45, 20719), (48, 20749), (52, 20848), (56, 21013), (58, 21067), (59, 21118), (61, 21154), (64, 21199), (70, 21307), (72, 21322), (76, 21373), (77, 21376), (79, 21448), (81, 21484), (82, 21544), (83, 21550),

Gene: Gandalf20_26 Start: 19697, Stop: 21754, Start Num: 2

Candidate Starts for Gandalf20_26:

(Start: 2 @19697 has 209 MA's), (6, 19805), (7, 19829), (11, 19907), (15, 20048), (16, 20078), (18, 20120), (22, 20213), (25, 20360), (28, 20471), (34, 20663), (40, 20807), (41, 20810), (45, 20846), (48, 20876), (52, 20975), (56, 21140), (58, 21194), (59, 21245), (61, 21281), (64, 21326), (72, 21449), (76,

21500), (77, 21503), (79, 21575), (81, 21611), (82, 21671), (83, 21677),

Gene: Gompeii16_25 Start: 19354, Stop: 21411, Start Num: 2

Candidate Starts for Gompeii16_25:

(Start: 2 @19354 has 209 MA's), (6, 19462), (7, 19486), (11, 19564), (15, 19705), (16, 19735), (18, 19777), (22, 19870), (28, 20128), (34, 20320), (40, 20464), (41, 20467), (45, 20503), (48, 20533), (52, 20632), (58, 20851), (59, 20902), (61, 20938), (64, 20983), (70, 21091), (72, 21106), (76, 21157), (77, 21160), (81, 21268), (82, 21328), (83, 21334),

Gene: Graduation_27 Start: 19601, Stop: 21658, Start Num: 2

Candidate Starts for Graduation_27:

(Start: 2 @19601 has 209 MA's), (7, 19733), (11, 19811), (15, 19952), (16, 19982), (18, 20024), (22, 20117), (28, 20375), (34, 20567), (40, 20711), (41, 20714), (45, 20750), (48, 20780), (49, 20789), (52, 20879), (56, 21044), (58, 21098), (59, 21149), (61, 21185), (64, 21230), (70, 21338), (72, 21353), (76, 21404), (77, 21407), (79, 21479), (81, 21515), (82, 21575), (83, 21581),

Gene: GrecoEtereo_27 Start: 19641, Stop: 21698, Start Num: 2

Candidate Starts for GrecoEtereo_27:

(Start: 2 @19641 has 209 MA's), (6, 19749), (7, 19773), (11, 19851), (15, 19992), (16, 20022), (18, 20064), (22, 20157), (28, 20415), (34, 20607), (40, 20751), (41, 20754), (45, 20790), (52, 20919), (56, 21084), (58, 21138), (59, 21189), (61, 21225), (64, 21270), (72, 21393), (76, 21444), (77, 21447), (79, 21519), (81, 21555), (82, 21615), (83, 21621),

Gene: Greg_27 Start: 19169, Stop: 21226, Start Num: 2

Candidate Starts for Greg_27:

(Start: 2 @19169 has 209 MA's), (6, 19277), (7, 19301), (11, 19379), (15, 19520), (16, 19550), (18, 19592), (22, 19685), (28, 19943), (34, 20135), (40, 20279), (41, 20282), (45, 20318), (48, 20348), (52, 20447), (56, 20612), (58, 20666), (59, 20717), (61, 20753), (64, 20798), (70, 20906), (72, 20921), (76, 20972), (77, 20975), (79, 21047), (81, 21083), (82, 21143), (83, 21149),

Gene: Gwendoluna_27 Start: 20732, Stop: 22789, Start Num: 2

Candidate Starts for Gwendoluna_27:

(Start: 2 @20732 has 209 MA's), (6, 20840), (7, 20864), (11, 20942), (15, 21083), (16, 21113), (18, 21155), (28, 21506), (34, 21698), (40, 21842), (41, 21845), (45, 21881), (48, 21911), (52, 22010), (56, 22175), (58, 22229), (59, 22280), (61, 22316), (64, 22361), (70, 22469), (72, 22484), (76, 22535), (77, 22538), (79, 22610), (81, 22646), (82, 22706), (83, 22712),

Gene: Gyzlar_27 Start: 20095, Stop: 22152, Start Num: 2

Candidate Starts for Gyzlar_27:

(Start: 2 @20095 has 209 MA's), (6, 20203), (7, 20227), (11, 20305), (15, 20446), (16, 20476), (18, 20518), (22, 20611), (28, 20869), (34, 21061), (40, 21205), (41, 21208), (45, 21244), (52, 21373), (56, 21538), (58, 21592), (59, 21643), (61, 21679), (64, 21724), (70, 21832), (72, 21847), (76, 21898), (77, 21901), (79, 21973), (81, 22009), (82, 22069), (83, 22075),

Gene: HINdeR_26 Start: 20746, Stop: 22728, Start Num: 4

Candidate Starts for HINdeR_26:

(1, 20674), (Start: 4 @20746 has 3 MA's), (7, 20866), (9, 20914), (10, 20941), (11, 20944), (12, 20986), (13, 21040), (18, 21154), (19, 21157), (20, 21199), (21, 21211), (23, 21289), (24, 21367), (28, 21508), (30, 21649), (32, 21670), (34, 21700), (36, 21733), (37, 21742), (44, 21877), (50, 21925), (53, 22042), (57, 22168), (59, 22216), (63, 22294), (67, 22378), (68, 22381), (72, 22423), (74, 22444), (76, 22474), (78, 22519), (80, 22573), (81, 22585), (84, 22675), (85, 22678), (86, 22681), (87, 22720),

Gene: Hami1_27 Start: 19241, Stop: 21298, Start Num: 2

Candidate Starts for Hami1_27:

(Start: 2 @19241 has 209 MA's), (6, 19349), (7, 19373), (11, 19451), (15, 19592), (16, 19622), (18, 19664), (22, 19757), (25, 19904), (28, 20015), (34, 20207), (40, 20351), (41, 20354), (45, 20390), (48, 20420), (52, 20519), (56, 20684), (58, 20738), (59, 20789), (61, 20825), (64, 20870), (70, 20978), (72, 20993), (76, 21044), (77, 21047), (79, 21119), (81, 21155), (82, 21215), (83, 21221),

Gene: HanShotFirst_25 Start: 18775, Stop: 20832, Start Num: 2

Candidate Starts for HanShotFirst_25:

(Start: 2 @18775 has 209 MA's), (6, 18883), (7, 18907), (11, 18985), (15, 19126), (16, 19156), (18, 19198), (22, 19291), (28, 19549), (34, 19741), (40, 19885), (41, 19888), (45, 19924), (52, 20053), (56, 20218), (58, 20272), (59, 20323), (61, 20359), (64, 20404), (72, 20527), (76, 20578), (77, 20581), (79, 20653), (81, 20689), (82, 20749), (83, 20755),

Gene: HarryOW_26 Start: 19229, Stop: 21286, Start Num: 2

Candidate Starts for HarryOW_26:

(Start: 2 @19229 has 209 MA's), (6, 19337), (7, 19361), (11, 19439), (15, 19580), (16, 19610), (17, 19637), (18, 19652), (22, 19745), (28, 20003), (34, 20195), (40, 20339), (41, 20342), (45, 20378), (52, 20507), (56, 20672), (58, 20726), (59, 20777), (61, 20813), (64, 20858), (72, 20981), (76, 21032), (77, 21035), (79, 21107), (81, 21143), (82, 21203), (83, 21209),

Gene: Hermia_28 Start: 20379, Stop: 22436, Start Num: 2

Candidate Starts for Hermia_28:

(Start: 2 @20379 has 209 MA's), (6, 20487), (7, 20511), (11, 20589), (15, 20730), (16, 20760), (17, 20787), (18, 20802), (22, 20895), (28, 21153), (34, 21345), (40, 21489), (41, 21492), (45, 21528), (48, 21558), (52, 21657), (56, 21822), (58, 21876), (59, 21927), (61, 21963), (64, 22008), (70, 22116), (72, 22131), (76, 22182), (77, 22185), (79, 22257), (81, 22293), (82, 22353), (83, 22359),

Gene: HermioneGrange_25 Start: 18803, Stop: 20860, Start Num: 2

Candidate Starts for HermioneGrange_25:

(Start: 2 @18803 has 209 MA's), (6, 18911), (7, 18935), (11, 19013), (15, 19154), (16, 19184), (17, 19211), (18, 19226), (22, 19319), (28, 19577), (34, 19769), (40, 19913), (41, 19916), (45, 19952), (48, 19982), (52, 20081), (56, 20246), (58, 20300), (59, 20351), (61, 20387), (64, 20432), (70, 20540), (72, 20555), (76, 20606), (77, 20609), (79, 20681), (81, 20717), (82, 20777), (83, 20783),

Gene: Homines_25 Start: 19128, Stop: 21185, Start Num: 2

Candidate Starts for Homines_25:

(Start: 2 @19128 has 209 MA's), (6, 19236), (7, 19260), (11, 19338), (16, 19509), (18, 19551), (22, 19644), (28, 19902), (34, 20094), (40, 20238), (41, 20241), (45, 20277), (52, 20406), (56, 20571), (58, 20625), (59, 20676), (61, 20712), (64, 20757), (70, 20865), (72, 20880), (76, 20931), (77, 20934), (79, 21006), (81, 21042), (82, 21102), (83, 21108),

Gene: Hope4ever_25 Start: 19266, Stop: 21323, Start Num: 2

Candidate Starts for Hope4ever_25:

(Start: 2 @19266 has 209 MA's), (6, 19374), (7, 19398), (11, 19476), (15, 19617), (16, 19647), (18, 19689), (28, 20040), (34, 20232), (40, 20376), (41, 20379), (45, 20415), (52, 20544), (56, 20709), (58, 20763), (59, 20814), (61, 20850), (64, 20895), (70, 21003), (72, 21018), (76, 21069), (77, 21072), (79, 21144), (81, 21180), (82, 21240), (83, 21246),

Gene: ILeeKay_27 Start: 19030, Stop: 21087, Start Num: 2

Candidate Starts for ILeeKay_27:

(Start: 2 @19030 has 209 MA's), (6, 19138), (7, 19162), (11, 19240), (16, 19411), (18, 19453), (22, 19546), (28, 19804), (34, 19996), (40, 20140), (41, 20143), (45, 20179), (48, 20209), (49, 20218), (52, 20308), (56, 20473), (58, 20527), (59, 20578), (61, 20614), (62, 20641), (64, 20659), (72, 20782), (76,

20833), (77, 20836), (79, 20908), (81, 20944), (82, 21004), (83, 21010),

Gene: Ichabod_26 Start: 19054, Stop: 21111, Start Num: 2

Candidate Starts for Ichabod_26:

(Start: 2 @19054 has 209 MA's), (6, 19162), (7, 19186), (11, 19264), (15, 19405), (16, 19435), (18, 19477), (27, 19762), (28, 19828), (34, 20020), (40, 20164), (41, 20167), (45, 20203), (48, 20233), (49, 20242), (52, 20332), (56, 20497), (58, 20551), (59, 20602), (61, 20638), (62, 20665), (64, 20683), (70, 20791), (72, 20806), (76, 20857), (77, 20860), (79, 20932), (81, 20968), (82, 21028), (83, 21034),

Gene: IgnatiusPatJac_24 Start: 18856, Stop: 20913, Start Num: 2

Candidate Starts for IgnatiusPatJac_24:

(Start: 2 @18856 has 209 MA's), (6, 18964), (7, 18988), (11, 19066), (15, 19207), (16, 19237), (18, 19279), (22, 19372), (28, 19630), (34, 19822), (40, 19966), (41, 19969), (45, 20005), (48, 20035), (49, 20044), (52, 20134), (56, 20299), (58, 20353), (59, 20404), (61, 20440), (64, 20485), (70, 20593), (72, 20608), (76, 20659), (77, 20662), (79, 20734), (81, 20770), (82, 20830), (83, 20836),

Gene: Inyanga_24 Start: 18633, Stop: 20690, Start Num: 2

Candidate Starts for Inyanga_24:

(Start: 2 @18633 has 209 MA's), (6, 18741), (7, 18765), (11, 18843), (15, 18984), (16, 19014), (18, 19056), (22, 19149), (28, 19407), (34, 19599), (40, 19743), (41, 19746), (45, 19782), (48, 19812), (52, 19911), (56, 20076), (58, 20130), (59, 20181), (61, 20217), (64, 20262), (70, 20370), (72, 20385), (76, 20436), (77, 20439), (79, 20511), (81, 20547), (82, 20607), (83, 20613),

Gene: Iqorha_24 Start: 18632, Stop: 20689, Start Num: 2

Candidate Starts for Iqorha_24:

(Start: 2 @18632 has 209 MA's), (6, 18740), (7, 18764), (11, 18842), (15, 18983), (16, 19013), (18, 19055), (22, 19148), (28, 19406), (34, 19598), (40, 19742), (41, 19745), (45, 19781), (48, 19811), (52, 19910), (56, 20075), (58, 20129), (59, 20180), (61, 20216), (64, 20261), (70, 20369), (72, 20384), (76, 20435), (77, 20438), (79, 20510), (81, 20546), (82, 20606), (83, 20612),

Gene: JC27_27 Start: 19766, Stop: 21823, Start Num: 2

Candidate Starts for JC27_27:

(Start: 2 @19766 has 209 MA's), (7, 19898), (11, 19976), (16, 20147), (17, 20174), (18, 20189), (22, 20282), (28, 20540), (34, 20732), (40, 20876), (41, 20879), (45, 20915), (48, 20945), (49, 20954), (52, 21044), (56, 21209), (58, 21263), (59, 21314), (61, 21350), (64, 21395), (72, 21518), (76, 21569), (77, 21572), (79, 21644), (81, 21680), (82, 21740), (83, 21746),

Gene: JackSparrow_26 Start: 19206, Stop: 21263, Start Num: 2

Candidate Starts for JackSparrow_26:

(Start: 2 @19206 has 209 MA's), (6, 19314), (7, 19338), (11, 19416), (15, 19557), (16, 19587), (18, 19629), (22, 19722), (28, 19980), (34, 20172), (40, 20316), (41, 20319), (45, 20355), (48, 20385), (52, 20484), (56, 20649), (58, 20703), (59, 20754), (61, 20790), (64, 20835), (70, 20943), (72, 20958), (76, 21009), (77, 21012), (79, 21084), (81, 21120), (82, 21180), (83, 21186),

Gene: Jasper_26 Start: 18707, Stop: 20764, Start Num: 2

Candidate Starts for Jasper_26:

(Start: 2 @18707 has 209 MA's), (6, 18815), (7, 18839), (11, 18917), (15, 19058), (16, 19088), (18, 19130), (22, 19223), (28, 19481), (34, 19673), (40, 19817), (41, 19820), (45, 19856), (52, 19985), (56, 20150), (58, 20204), (59, 20255), (61, 20291), (64, 20336), (72, 20459), (76, 20510), (77, 20513), (79, 20585), (81, 20621), (82, 20681), (83, 20687),

Gene: Jerm2_26 Start: 19075, Stop: 21132, Start Num: 2

Candidate Starts for Jerm2_26:

(Start: 2 @19075 has 209 MA's), (6, 19183), (7, 19207), (11, 19285), (15, 19426), (16, 19456), (18, 19498), (22, 19591), (28, 19849), (34, 20041), (40, 20185), (41, 20188), (45, 20224), (48, 20254), (52, 20353), (56, 20518), (58, 20572), (59, 20623), (61, 20659), (64, 20704), (70, 20812), (72, 20827), (76, 20878), (77, 20881), (79, 20953), (81, 20989), (82, 21049), (83, 21055),

Gene: Jorgensen_25 Start: 18761, Stop: 20818, Start Num: 2

Candidate Starts for Jorgensen_25:

(Start: 2 @18761 has 209 MA's), (6, 18869), (7, 18893), (11, 18971), (15, 19112), (16, 19142), (18, 19184), (22, 19277), (28, 19535), (34, 19727), (40, 19871), (41, 19874), (45, 19910), (52, 20039), (56, 20204), (58, 20258), (59, 20309), (61, 20345), (64, 20390), (70, 20498), (72, 20513), (76, 20564), (77, 20567), (79, 20639), (81, 20675), (82, 20735), (83, 20741),

Gene: JuliaChild_27 Start: 19327, Stop: 21384, Start Num: 2

Candidate Starts for JuliaChild_27:

(Start: 2 @19327 has 209 MA's), (6, 19435), (7, 19459), (11, 19537), (16, 19708), (17, 19735), (18, 19750), (22, 19843), (28, 20101), (34, 20293), (40, 20437), (41, 20440), (45, 20476), (51, 20548), (52, 20605), (56, 20770), (58, 20824), (59, 20875), (61, 20911), (62, 20938), (64, 20956), (70, 21064), (72, 21079), (76, 21130), (77, 21133), (79, 21205), (81, 21241), (82, 21301), (83, 21307),

Gene: KBG_26 Start: 19760, Stop: 21817, Start Num: 2

Candidate Starts for KBG_26:

(Start: 2 @19760 has 209 MA's), (6, 19868), (7, 19892), (11, 19970), (15, 20111), (16, 20141), (17, 20168), (18, 20183), (28, 20534), (34, 20726), (40, 20870), (41, 20873), (45, 20909), (52, 21038), (56, 21203), (58, 21257), (59, 21308), (61, 21344), (64, 21389), (72, 21512), (76, 21563), (77, 21566), (79, 21638), (81, 21674), (82, 21734), (83, 21740),

Gene: KSSJEB_25 Start: 18654, Stop: 20711, Start Num: 2

Candidate Starts for KSSJEB_25:

(Start: 2 @18654 has 209 MA's), (6, 18762), (7, 18786), (11, 18864), (15, 19005), (16, 19035), (17, 19062), (18, 19077), (22, 19170), (28, 19428), (34, 19620), (40, 19764), (41, 19767), (45, 19803), (52, 19932), (56, 20097), (58, 20151), (59, 20202), (61, 20238), (64, 20283), (70, 20391), (72, 20406), (76, 20457), (77, 20460), (79, 20532), (81, 20568), (82, 20628), (83, 20634),

Gene: Kanely_26 Start: 19442, Stop: 21499, Start Num: 2

Candidate Starts for Kanely_26:

(Start: 2 @19442 has 209 MA's), (7, 19574), (11, 19652), (15, 19793), (16, 19823), (17, 19850), (18, 19865), (28, 20216), (34, 20408), (40, 20552), (41, 20555), (45, 20591), (52, 20720), (58, 20939), (59, 20990), (61, 21026), (64, 21071), (70, 21179), (72, 21194), (76, 21245), (77, 21248), (79, 21320), (81, 21356), (82, 21416), (83, 21422),

Gene: Kenmech_28 Start: 20170, Stop: 22227, Start Num: 2

Candidate Starts for Kenmech_28:

(Start: 2 @20170 has 209 MA's), (6, 20278), (7, 20302), (11, 20380), (15, 20521), (16, 20551), (18, 20593), (22, 20686), (28, 20944), (34, 21136), (40, 21280), (41, 21283), (42, 21289), (45, 21319), (48, 21349), (52, 21448), (56, 21613), (58, 21667), (59, 21718), (61, 21754), (64, 21799), (70, 21907), (72, 21922), (76, 21973), (77, 21976), (79, 22048), (81, 22084), (82, 22144), (83, 22150),

Gene: Killigrew_23 Start: 18354, Stop: 20411, Start Num: 2

Candidate Starts for Killigrew_23:

(Start: 2 @18354 has 209 MA's), (6, 18462), (7, 18486), (11, 18564), (15, 18705), (16, 18735), (18, 18777), (22, 18870), (28, 19128), (34, 19320), (40, 19464), (41, 19467), (45, 19503), (52, 19632), (56, 19797), (58, 19851), (59, 19902), (61, 19938), (64, 19983), (70, 20091), (72, 20106), (76, 20157), (77, 20160), (79, 20232), (81, 20268), (82, 20328), (83, 20334),

Gene: Kugel_26 Start: 19015, Stop: 21072, Start Num: 2

Candidate Starts for Kugel_26:

(Start: 2 @19015 has 209 MA's), (7, 19147), (11, 19225), (15, 19366), (16, 19396), (17, 19423), (18, 19438), (22, 19531), (28, 19789), (34, 19981), (40, 20125), (41, 20128), (45, 20164), (52, 20293), (56, 20458), (58, 20512), (59, 20563), (61, 20599), (70, 20752), (72, 20767), (76, 20818), (77, 20821), (79, 20893), (81, 20929), (82, 20989), (83, 20995),

Gene: KyMonks1A_27 Start: 19181, Stop: 21238, Start Num: 2

Candidate Starts for KyMonks1A_27:

(Start: 2 @19181 has 209 MA's), (6, 19289), (7, 19313), (11, 19391), (15, 19532), (16, 19562), (17, 19589), (18, 19604), (22, 19697), (28, 19955), (34, 20147), (40, 20291), (41, 20294), (45, 20330), (52, 20459), (56, 20624), (58, 20678), (59, 20729), (61, 20765), (64, 20810), (70, 20918), (72, 20933), (76, 20984), (77, 20987), (79, 21059), (81, 21095), (82, 21155), (83, 21161),

Gene: Kykar_23 Start: 18550, Stop: 20607, Start Num: 2

Candidate Starts for Kykar_23:

(Start: 2 @18550 has 209 MA's), (6, 18658), (7, 18682), (11, 18760), (15, 18901), (16, 18931), (17, 18958), (18, 18973), (22, 19066), (28, 19324), (34, 19516), (40, 19660), (41, 19663), (45, 19699), (48, 19729), (52, 19828), (56, 19993), (58, 20047), (59, 20098), (64, 20179), (72, 20302), (76, 20353), (77, 20356), (79, 20428), (81, 20464), (82, 20524), (83, 20530),

Gene: Lamina13_25 Start: 18452, Stop: 20509, Start Num: 2

Candidate Starts for Lamina13_25:

(Start: 2 @18452 has 209 MA's), (6, 18560), (7, 18584), (11, 18662), (15, 18803), (16, 18833), (18, 18875), (28, 19226), (34, 19418), (40, 19562), (41, 19565), (45, 19601), (48, 19631), (52, 19730), (56, 19895), (58, 19949), (59, 20000), (61, 20036), (62, 20063), (64, 20081), (70, 20189), (72, 20204), (76, 20255), (77, 20258), (79, 20330), (81, 20366), (82, 20426), (83, 20432),

Gene: Lesedi_24 Start: 18610, Stop: 20667, Start Num: 2

Candidate Starts for Lesedi_24:

(Start: 2 @18610 has 209 MA's), (6, 18718), (7, 18742), (11, 18820), (15, 18961), (16, 18991), (17, 19018), (18, 19033), (22, 19126), (28, 19384), (34, 19576), (40, 19720), (41, 19723), (45, 19759), (52, 19888), (56, 20053), (58, 20107), (59, 20158), (61, 20194), (64, 20239), (70, 20347), (72, 20362), (76, 20413), (77, 20416), (79, 20488), (81, 20524), (82, 20584), (83, 20590),

Gene: Levia_24 Start: 19621, Stop: 21678, Start Num: 2

Candidate Starts for Levia_24:

(Start: 2 @19621 has 209 MA's), (6, 19729), (7, 19753), (11, 19831), (15, 19972), (16, 20002), (17, 20029), (18, 20044), (22, 20137), (25, 20284), (28, 20395), (34, 20587), (40, 20731), (41, 20734), (45, 20770), (48, 20800), (52, 20899), (56, 21064), (58, 21118), (59, 21169), (61, 21205), (64, 21250), (70, 21358), (72, 21373), (76, 21424), (77, 21427), (79, 21499), (81, 21535), (82, 21595), (83, 21601),

Gene: Licorice_27 Start: 19861, Stop: 21918, Start Num: 2

Candidate Starts for Licorice_27:

(Start: 2 @19861 has 209 MA's), (6, 19969), (7, 19993), (11, 20071), (15, 20212), (16, 20242), (17, 20269), (18, 20284), (22, 20377), (28, 20635), (34, 20827), (40, 20971), (41, 20974), (45, 21010), (52, 21139), (56, 21304), (58, 21358), (59, 21409), (60, 21436), (61, 21445), (64, 21490), (70, 21598), (72, 21613), (76, 21664), (77, 21667), (79, 21739), (81, 21775), (82, 21835), (83, 21841),

Gene: LilBib_26 Start: 20052, Stop: 22109, Start Num: 2

Candidate Starts for LilBib_26:

(Start: 2 @20052 has 209 MA's), (6, 20160), (7, 20184), (11, 20262), (15, 20403), (16, 20433), (18, 20475), (22, 20568), (28, 20826), (34, 21018), (40, 21162), (41, 21165), (45, 21201), (48, 21231), (52, 21330), (56, 21495), (58, 21549), (59, 21600), (61, 21636), (64, 21681), (70, 21789), (72, 21804), (76, 21855), (77, 21858), (79, 21930), (81, 21966), (82, 22026), (83, 22032),

Gene: Lockley_25 Start: 18795, Stop: 20852, Start Num: 2

Candidate Starts for Lockley_25:

(Start: 2 @18795 has 209 MA's), (6, 18903), (7, 18927), (11, 19005), (15, 19146), (16, 19176), (18, 19218), (28, 19569), (34, 19761), (40, 19905), (41, 19908), (45, 19944), (48, 19974), (49, 19983), (52, 20073), (56, 20238), (58, 20292), (59, 20343), (61, 20379), (62, 20406), (64, 20424), (70, 20532), (72, 20547), (76, 20598), (77, 20601), (79, 20673), (81, 20709), (82, 20769), (83, 20775),

Gene: Lopton_26 Start: 20219, Stop: 22276, Start Num: 2

Candidate Starts for Lopton_26:

(Start: 2 @20219 has 209 MA's), (6, 20327), (7, 20351), (11, 20429), (15, 20570), (16, 20600), (17, 20627), (18, 20642), (28, 20993), (34, 21185), (40, 21329), (41, 21332), (45, 21368), (52, 21497), (56, 21662), (58, 21716), (59, 21767), (61, 21803), (64, 21848), (70, 21956), (72, 21971), (76, 22022), (77, 22025), (79, 22097), (81, 22133), (82, 22193), (83, 22199),

Gene: LunarLander_25 Start: 18749, Stop: 20806, Start Num: 2

Candidate Starts for LunarLander_25:

(Start: 2 @18749 has 209 MA's), (6, 18857), (7, 18881), (11, 18959), (15, 19100), (16, 19130), (18, 19172), (22, 19265), (28, 19523), (34, 19715), (40, 19859), (41, 19862), (45, 19898), (48, 19928), (49, 19937), (52, 20027), (56, 20192), (58, 20246), (59, 20297), (61, 20333), (64, 20378), (70, 20486), (72, 20501), (76, 20552), (77, 20555), (79, 20627), (81, 20663), (82, 20723), (83, 20729),

Gene: MPlant7149_24 Start: 18429, Stop: 20486, Start Num: 2

Candidate Starts for MPlant7149_24:

(Start: 2 @18429 has 209 MA's), (6, 18537), (7, 18561), (11, 18639), (15, 18780), (16, 18810), (17, 18837), (18, 18852), (22, 18945), (28, 19203), (34, 19395), (40, 19539), (41, 19542), (45, 19578), (48, 19608), (49, 19617), (52, 19707), (56, 19872), (58, 19926), (59, 19977), (61, 20013), (64, 20058), (70, 20166), (72, 20181), (76, 20232), (77, 20235), (79, 20307), (81, 20343), (82, 20403), (83, 20409),

Gene: Magnar_25 Start: 18579, Stop: 20636, Start Num: 2

Candidate Starts for Magnar_25:

(Start: 2 @18579 has 209 MA's), (6, 18687), (7, 18711), (11, 18789), (15, 18930), (16, 18960), (18, 19002), (22, 19095), (28, 19353), (34, 19545), (40, 19689), (41, 19692), (45, 19728), (48, 19758), (52, 19857), (56, 20022), (58, 20076), (59, 20127), (61, 20163), (64, 20208), (72, 20331), (76, 20382), (77, 20385), (79, 20457), (81, 20493), (82, 20553), (83, 20559),

Gene: Magnito_24 Start: 18331, Stop: 20388, Start Num: 2

Candidate Starts for Magnito_24:

(Start: 2 @18331 has 209 MA's), (6, 18439), (7, 18463), (11, 18541), (15, 18682), (16, 18712), (18, 18754), (22, 18847), (28, 19105), (34, 19297), (40, 19441), (41, 19444), (45, 19480), (52, 19609), (56, 19774), (58, 19828), (59, 19879), (61, 19915), (64, 19960), (70, 20068), (72, 20083), (76, 20134), (77, 20137), (79, 20209), (81, 20245), (82, 20305), (83, 20311),

Gene: Makemake_25 Start: 20047, Stop: 22104, Start Num: 2

Candidate Starts for Makemake_25:

(Start: 2 @20047 has 209 MA's), (6, 20155), (7, 20179), (11, 20257), (15, 20398), (16, 20428), (18, 20470), (22, 20563), (28, 20821), (34, 21013), (40, 21157), (41, 21160), (45, 21196), (52, 21325), (56, 21490), (58, 21544), (59, 21595), (61, 21631), (64, 21676), (70, 21784), (72, 21799), (76, 21850), (77, 21853), (79, 21925), (81, 21961), (82, 22021), (83, 22027),

Gene: Manatee_26 Start: 18599, Stop: 20656, Start Num: 2

Candidate Starts for Manatee_26:

(Start: 2 @18599 has 209 MA's), (6, 18707), (7, 18731), (11, 18809), (15, 18950), (16, 18980), (18, 19022), (28, 19373), (34, 19565), (40, 19709), (41, 19712), (45, 19748), (52, 19877), (56, 20042), (58, 20096), (59, 20147), (61, 20183), (64, 20228), (72, 20351), (76, 20402), (77, 20405), (79, 20477), (81, 20513), (82, 20573), (83, 20579),

Gene: Marcell_25 Start: 19089, Stop: 21146, Start Num: 2

Candidate Starts for Marcell_25:

(Start: 2 @19089 has 209 MA's), (6, 19197), (7, 19221), (11, 19299), (15, 19440), (16, 19470), (18, 19512), (22, 19605), (28, 19863), (34, 20055), (40, 20199), (41, 20202), (45, 20238), (52, 20367), (56, 20532), (58, 20586), (59, 20637), (61, 20673), (64, 20718), (72, 20841), (76, 20892), (77, 20895), (79, 20967), (81, 21003), (82, 21063), (83, 21069),

Gene: Marchy_24 Start: 18394, Stop: 20451, Start Num: 2

Candidate Starts for Marchy_24:

(Start: 2 @18394 has 209 MA's), (6, 18502), (7, 18526), (11, 18604), (15, 18745), (16, 18775), (17, 18802), (18, 18817), (22, 18910), (28, 19168), (34, 19360), (40, 19504), (41, 19507), (45, 19543), (48, 19573), (52, 19672), (56, 19837), (58, 19891), (59, 19942), (61, 19978), (64, 20023), (70, 20131), (72, 20146), (76, 20197), (77, 20200), (79, 20272), (81, 20308), (82, 20368), (83, 20374),

Gene: Marco3_25 Start: 18989, Stop: 21046, Start Num: 2

Candidate Starts for Marco3_25:

(Start: 2 @18989 has 209 MA's), (6, 19097), (7, 19121), (11, 19199), (15, 19340), (16, 19370), (18, 19412), (22, 19505), (28, 19763), (34, 19955), (40, 20099), (41, 20102), (45, 20138), (48, 20168), (49, 20177), (52, 20267), (56, 20432), (58, 20486), (59, 20537), (61, 20573), (64, 20618), (70, 20726), (72, 20741), (76, 20792), (77, 20795), (79, 20867), (81, 20903), (82, 20963), (83, 20969),

Gene: Marge_26 Start: 19489, Stop: 21546, Start Num: 2

Candidate Starts for Marge_26:

(Start: 2 @19489 has 209 MA's), (6, 19597), (7, 19621), (11, 19699), (15, 19840), (16, 19870), (17, 19897), (18, 19912), (22, 20005), (28, 20263), (34, 20455), (40, 20599), (41, 20602), (45, 20638), (48, 20668), (52, 20767), (56, 20932), (58, 20986), (59, 21037), (61, 21073), (64, 21118), (72, 21241), (76, 21292), (77, 21295), (79, 21367), (81, 21403), (82, 21463), (83, 21469),

Gene: Maroc7_24 Start: 18593, Stop: 20650, Start Num: 2

Candidate Starts for Maroc7_24:

(Start: 2 @18593 has 209 MA's), (6, 18701), (7, 18725), (11, 18803), (16, 18974), (17, 19001), (18, 19016), (22, 19109), (28, 19367), (34, 19559), (40, 19703), (41, 19706), (45, 19742), (48, 19772), (52, 19871), (56, 20036), (58, 20090), (59, 20141), (61, 20177), (64, 20222), (72, 20345), (76, 20396), (77, 20399), (79, 20471), (81, 20507), (82, 20567), (83, 20573),

Gene: Marsha_25 Start: 19715, Stop: 21772, Start Num: 2

Candidate Starts for Marsha_25:

(Start: 2 @19715 has 209 MA's), (6, 19823), (7, 19847), (11, 19925), (15, 20066), (16, 20096), (18, 20138), (22, 20231), (28, 20489), (34, 20681), (40, 20825), (41, 20828), (45, 20864), (48, 20894), (52, 20993), (56, 21158), (58, 21212), (59, 21263), (61, 21299), (64, 21344), (70, 21452), (72, 21467), (76, 21518), (77, 21521), (79, 21593), (81, 21629), (82, 21689), (83, 21695),

Gene: MaryBeth_25 Start: 19001, Stop: 21058, Start Num: 2

Candidate Starts for MaryBeth_25:

(Start: 2 @19001 has 209 MA's), (6, 19109), (7, 19133), (11, 19211), (15, 19352), (16, 19382), (18, 19424), (22, 19517), (28, 19775), (34, 19967), (40, 20111), (45, 20150), (48, 20180), (52, 20279), (56, 20444), (58, 20498), (59, 20549), (61, 20585), (64, 20630), (70, 20738), (72, 20753), (76, 20804), (77, 20807), (79, 20879), (81, 20915), (82, 20975), (83, 20981),

Gene: McGuire_26 Start: 18891, Stop: 20948, Start Num: 2

Candidate Starts for McGuire_26:

(Start: 2 @18891 has 209 MA's), (6, 18999), (7, 19023), (11, 19101), (15, 19242), (16, 19272), (18, 19314), (28, 19665), (34, 19857), (40, 20001), (41, 20004), (45, 20040), (52, 20169), (56, 20334), (58, 20388), (59, 20439), (61, 20475), (64, 20520), (70, 20628), (72, 20643), (76, 20694), (77, 20697), (79, 20769), (81, 20805), (82, 20865), (83, 20871),

Gene: McSinger_26 Start: 19261, Stop: 21318, Start Num: 2

Candidate Starts for McSinger_26:

(Start: 2 @19261 has 209 MA's), (6, 19369), (7, 19393), (11, 19471), (15, 19612), (16, 19642), (17, 19669), (18, 19684), (22, 19777), (28, 20035), (34, 20227), (40, 20371), (41, 20374), (45, 20410), (48, 20440), (52, 20539), (56, 20704), (58, 20758), (59, 20809), (61, 20845), (64, 20890), (70, 20998), (72, 21013), (76, 21064), (77, 21067), (79, 21139), (81, 21175), (82, 21235), (83, 21241),

Gene: MetalQZJ_25 Start: 19001, Stop: 21058, Start Num: 2

Candidate Starts for MetalQZJ_25:

(Start: 2 @19001 has 209 MA's), (6, 19109), (7, 19133), (11, 19211), (15, 19352), (16, 19382), (18, 19424), (22, 19517), (28, 19775), (34, 19967), (40, 20111), (45, 20150), (48, 20180), (52, 20279), (56, 20444), (58, 20498), (59, 20549), (61, 20585), (64, 20630), (70, 20738), (72, 20753), (76, 20804), (77, 20807), (79, 20879), (81, 20915), (82, 20975), (83, 20981),

Gene: Michley_25 Start: 18746, Stop: 20803, Start Num: 2

Candidate Starts for Michley_25:

(Start: 2 @18746 has 209 MA's), (6, 18854), (7, 18878), (11, 18956), (15, 19097), (16, 19127), (18, 19169), (28, 19520), (34, 19712), (40, 19856), (41, 19859), (45, 19895), (48, 19925), (49, 19934), (52, 20024), (56, 20189), (58, 20243), (59, 20294), (61, 20330), (64, 20375), (70, 20483), (72, 20498), (76, 20549), (77, 20552), (79, 20624), (81, 20660), (82, 20720), (83, 20726),

Gene: Mkhuseleli_26 Start: 18916, Stop: 20973, Start Num: 2

Candidate Starts for Mkhuseleli_26:

(Start: 2 @18916 has 209 MA's), (6, 19024), (7, 19048), (11, 19126), (15, 19267), (16, 19297), (18, 19339), (25, 19579), (28, 19690), (34, 19882), (40, 20026), (41, 20029), (45, 20065), (48, 20095), (52, 20194), (56, 20359), (58, 20413), (59, 20464), (61, 20500), (64, 20545), (70, 20653), (72, 20668), (76, 20719), (77, 20722), (79, 20794), (81, 20830), (82, 20890), (83, 20896),

Gene: Molly_26 Start: 18632, Stop: 20689, Start Num: 2

Candidate Starts for Molly_26:

(Start: 2 @18632 has 209 MA's), (6, 18740), (7, 18764), (11, 18842), (16, 19013), (17, 19040), (18, 19055), (22, 19148), (28, 19406), (34, 19598), (40, 19742), (41, 19745), (45, 19781), (52, 19910), (56, 20075), (58, 20129), (59, 20180), (61, 20216), (64, 20261), (70, 20369), (72, 20384), (76, 20435), (77, 20438), (79, 20510), (81, 20546), (82, 20606), (83, 20612),

Gene: Monet_27 Start: 20117, Stop: 22174, Start Num: 2

Candidate Starts for Monet_27:

(Start: 2 @20117 has 209 MA's), (6, 20225), (7, 20249), (11, 20327), (15, 20468), (16, 20498), (18, 20540), (22, 20633), (28, 20891), (34, 21083), (40, 21227), (41, 21230), (45, 21266), (48, 21296), (52, 21395), (56, 21560), (58, 21614), (59, 21665), (61, 21701), (64, 21746), (70, 21854), (72, 21869), (76, 21920), (77, 21923), (79, 21995), (81, 22031), (82, 22091), (83, 22097),

Gene: Moose_24 Start: 18858, Stop: 20915, Start Num: 2

Candidate Starts for Moose_24:

(Start: 2 @18858 has 209 MA's), (6, 18966), (7, 18990), (11, 19068), (15, 19209), (16, 19239), (18, 19281), (28, 19632), (34, 19824), (40, 19968), (41, 19971), (45, 20007), (52, 20136), (56, 20301), (58, 20355), (59, 20406), (61, 20442), (64, 20487), (72, 20610), (76, 20661), (77, 20664), (79, 20736), (81, 20772), (82, 20832), (83, 20838),

Gene: MrGordo_25 Start: 18559, Stop: 20616, Start Num: 2

Candidate Starts for MrGordo_25:

(Start: 2 @18559 has 209 MA's), (6, 18667), (7, 18691), (11, 18769), (15, 18910), (16, 18940), (17, 18967), (18, 18982), (28, 19333), (34, 19525), (40, 19669), (41, 19672), (45, 19708), (48, 19738), (52, 19837), (56, 20002), (58, 20056), (59, 20107), (61, 20143), (64, 20188), (70, 20296), (72, 20311), (76, 20362), (77, 20365), (79, 20437), (81, 20473), (82, 20533), (83, 20539),

Gene: Mryolo_24 Start: 18618, Stop: 20675, Start Num: 2

Candidate Starts for Mryolo_24:

(Start: 2 @18618 has 209 MA's), (6, 18726), (7, 18750), (11, 18828), (15, 18969), (16, 18999), (18, 19041), (22, 19134), (28, 19392), (34, 19584), (40, 19728), (41, 19731), (45, 19767), (48, 19797), (52, 19896), (56, 20061), (58, 20115), (59, 20166), (61, 20202), (64, 20247), (72, 20370), (76, 20421), (77, 20424), (79, 20496), (81, 20532), (82, 20592), (83, 20598),

Gene: Mule_25 Start: 18905, Stop: 20962, Start Num: 2

Candidate Starts for Mule_25:

(Start: 2 @18905 has 209 MA's), (6, 19013), (7, 19037), (11, 19115), (15, 19256), (16, 19286), (18, 19328), (22, 19421), (28, 19679), (34, 19871), (40, 20015), (41, 20018), (45, 20054), (48, 20084), (52, 20183), (56, 20348), (58, 20402), (59, 20453), (61, 20489), (64, 20534), (70, 20642), (72, 20657), (76, 20708), (77, 20711), (79, 20783), (81, 20819), (82, 20879), (83, 20885),

Gene: Museum_27 Start: 18915, Stop: 20972, Start Num: 2

Candidate Starts for Museum_27:

(Start: 2 @18915 has 209 MA's), (6, 19023), (7, 19047), (11, 19125), (15, 19266), (16, 19296), (18, 19338), (22, 19431), (28, 19689), (34, 19881), (40, 20025), (41, 20028), (45, 20064), (52, 20193), (56, 20358), (58, 20412), (59, 20463), (61, 20499), (72, 20667), (76, 20718), (77, 20721), (79, 20793), (81, 20829), (82, 20889), (83, 20895),

Gene: NEHalo_25 Start: 18653, Stop: 20710, Start Num: 2

Candidate Starts for NEHalo_25:

(Start: 2 @18653 has 209 MA's), (6, 18761), (7, 18785), (11, 18863), (15, 19004), (16, 19034), (18, 19076), (22, 19169), (28, 19427), (34, 19619), (40, 19763), (41, 19766), (45, 19802), (48, 19832), (49, 19841), (52, 19931), (56, 20096), (58, 20150), (59, 20201), (61, 20237), (62, 20264), (64, 20282), (70, 20390), (72, 20405), (76, 20456), (77, 20459), (79, 20531), (81, 20567), (82, 20627), (83, 20633),

Gene: Naira_26 Start: 20534, Stop: 22591, Start Num: 2

Candidate Starts for Naira_26:

(Start: 2 @20534 has 209 MA's), (6, 20642), (7, 20666), (11, 20744), (15, 20885), (16, 20915), (18, 20957), (22, 21050), (28, 21308), (34, 21500), (40, 21644), (41, 21647), (45, 21683), (52, 21812), (56, 21977), (58, 22031), (59, 22082), (61, 22118), (64, 22163), (70, 22271), (72, 22286), (76, 22337), (77, 22340), (79, 22412), (81, 22448), (82, 22508), (83, 22514),

Gene: Nerujay_26 Start: 19321, Stop: 21378, Start Num: 2

Candidate Starts for Nerujay_26:

(Start: 2 @19321 has 209 MA's), (6, 19429), (7, 19453), (11, 19531), (16, 19702), (17, 19729), (18, 19744), (28, 20095), (34, 20287), (40, 20431), (41, 20434), (45, 20470), (48, 20500), (52, 20599), (56, 20764), (58, 20818), (59, 20869), (61, 20905), (64, 20950), (70, 21058), (72, 21073), (76, 21124), (77, 21127), (79, 21199), (81, 21235), (82, 21295), (83, 21301),

Gene: Nhonho_25 Start: 19072, Stop: 21129, Start Num: 2

Candidate Starts for Nhonho_25:

(Start: 2 @19072 has 209 MA's), (6, 19180), (7, 19204), (11, 19282), (15, 19423), (16, 19453), (17, 19480), (18, 19495), (22, 19588), (28, 19846), (34, 20038), (40, 20182), (41, 20185), (45, 20221), (52, 20350), (56, 20515), (58, 20569), (59, 20620), (61, 20656), (64, 20701), (70, 20809), (72, 20824), (76, 20875), (77, 20878), (79, 20950), (81, 20986), (82, 21046), (83, 21052),

Gene: Niza_27 Start: 19914, Stop: 21971, Start Num: 2

Candidate Starts for Niza_27:

(Start: 2 @19914 has 209 MA's), (6, 20022), (7, 20046), (11, 20124), (15, 20265), (16, 20295), (18, 20337), (22, 20430), (28, 20688), (34, 20880), (40, 21024), (41, 21027), (45, 21063), (52, 21192), (56, 21357), (58, 21411), (59, 21462), (61, 21498), (64, 21543), (70, 21651), (72, 21666), (76, 21717), (77, 21720), (79, 21792), (81, 21828), (82, 21888), (83, 21894),

Gene: Norz_27 Start: 19750, Stop: 21807, Start Num: 2

Candidate Starts for Norz_27:

(Start: 2 @19750 has 209 MA's), (6, 19858), (7, 19882), (11, 19960), (15, 20101), (16, 20131), (18, 20173), (22, 20266), (28, 20524), (34, 20716), (40, 20860), (41, 20863), (45, 20899), (48, 20929), (52, 21028), (58, 21247), (59, 21298), (61, 21334), (64, 21379), (70, 21487), (72, 21502), (76, 21553), (77, 21556), (79, 21628), (81, 21664), (82, 21724), (83, 21730),

Gene: Ohno789_25 Start: 18714, Stop: 20771, Start Num: 2

Candidate Starts for Ohno789_25:

(Start: 2 @18714 has 209 MA's), (6, 18822), (7, 18846), (11, 18924), (15, 19065), (16, 19095), (18, 19137), (22, 19230), (28, 19488), (34, 19680), (40, 19824), (41, 19827), (45, 19863), (48, 19893), (52, 19992), (56, 20157), (58, 20211), (59, 20262), (61, 20298), (64, 20343), (70, 20451), (72, 20466), (76, 20517), (77, 20520), (79, 20592), (81, 20628), (82, 20688), (83, 20694),

Gene: Oogway_24 Start: 18836, Stop: 20893, Start Num: 2

Candidate Starts for Oogway_24:

(Start: 2 @18836 has 209 MA's), (6, 18944), (7, 18968), (11, 19046), (16, 19217), (17, 19244), (18, 19259), (28, 19610), (34, 19802), (40, 19946), (41, 19949), (45, 19985), (48, 20015), (49, 20024), (52, 20114), (56, 20279), (58, 20333), (59, 20384), (61, 20420), (64, 20465), (70, 20573), (72, 20588), (76, 20639), (77, 20642), (79, 20714), (81, 20750), (82, 20810), (83, 20816),

Gene: PSullivan_27 Start: 19327, Stop: 21384, Start Num: 2

Candidate Starts for PSullivan_27:

(Start: 2 @19327 has 209 MA's), (6, 19435), (7, 19459), (11, 19537), (16, 19708), (17, 19735), (18, 19750), (22, 19843), (28, 20101), (34, 20293), (40, 20437), (41, 20440), (45, 20476), (51, 20548), (52, 20605), (56, 20770), (58, 20824), (59, 20875), (61, 20911), (64, 20956), (70, 21064), (72, 21079), (76, 21130), (77, 21133), (79, 21205), (81, 21241), (82, 21301), (83, 21307),

Gene: PacerPaul_25 Start: 19137, Stop: 21194, Start Num: 2

Candidate Starts for PacerPaul_25:

(Start: 2 @19137 has 209 MA's), (6, 19245), (7, 19269), (11, 19347), (15, 19488), (16, 19518), (17, 19545), (18, 19560), (28, 19911), (34, 20103), (40, 20247), (41, 20250), (45, 20286), (52, 20415), (56, 20580), (58, 20634), (59, 20685), (61, 20721), (64, 20766), (72, 20889), (76, 20940), (77, 20943), (79, 21015), (81, 21051), (82, 21111), (83, 21117),

Gene: Papez_27 Start: 20552, Stop: 22609, Start Num: 2

Candidate Starts for Papez_27:

(Start: 2 @20552 has 209 MA's), (6, 20660), (7, 20684), (11, 20762), (15, 20903), (16, 20933), (18, 20975), (22, 21068), (28, 21326), (34, 21518), (40, 21662), (41, 21665), (45, 21701), (48, 21731), (52, 21830), (58, 22049), (59, 22100), (61, 22136), (64, 22181), (70, 22289), (72, 22304), (76, 22355), (77, 22358), (79, 22430), (81, 22466), (82, 22526), (83, 22532),

Gene: Paphu_24 Start: 18650, Stop: 20707, Start Num: 2

Candidate Starts for Paphu_24:

(Start: 2 @18650 has 209 MA's), (6, 18758), (7, 18782), (11, 18860), (15, 19001), (16, 19031), (17, 19058), (18, 19073), (22, 19166), (28, 19424), (34, 19616), (40, 19760), (41, 19763), (45, 19799), (52, 19928), (56, 20093), (58, 20147), (59, 20198), (61, 20234), (64, 20279), (72, 20402), (76, 20453), (77, 20456), (79, 20528), (81, 20564), (82, 20624), (83, 20630),

Gene: Paraselene_24 Start: 19021, Stop: 21078, Start Num: 2

Candidate Starts for Paraselene_24:

(Start: 2 @19021 has 209 MA's), (6, 19129), (7, 19153), (11, 19231), (16, 19402), (17, 19429), (18, 19444), (28, 19795), (34, 19987), (40, 20131), (41, 20134), (45, 20170), (52, 20299), (56, 20464), (58, 20518), (59, 20569), (61, 20605), (62, 20632), (64, 20650), (72, 20773), (76, 20824), (77, 20827), (79, 20899), (81, 20935), (82, 20995), (83, 21001),

Gene: Pari_26 Start: 18588, Stop: 20645, Start Num: 2

Candidate Starts for Pari_26:

(Start: 2 @18588 has 209 MA's), (6, 18696), (7, 18720), (11, 18798), (15, 18939), (16, 18969), (18, 19011), (28, 19362), (34, 19554), (40, 19698), (41, 19701), (45, 19737), (48, 19767), (52, 19866), (56, 20031), (58, 20085), (59, 20136), (61, 20172), (62, 20199), (64, 20217), (70, 20325), (72, 20340), (76, 20391), (77, 20394), (79, 20466), (81, 20502), (82, 20562), (83, 20568),

Gene: Parliament_24 Start: 18945, Stop: 21002, Start Num: 2

Candidate Starts for Parliament_24:

(Start: 2 @18945 has 209 MA's), (6, 19053), (7, 19077), (11, 19155), (15, 19296), (16, 19326), (18, 19368), (28, 19719), (34, 19911), (40, 20055), (41, 20058), (45, 20094), (48, 20124), (49, 20133), (52, 20223), (56, 20388), (58, 20442), (59, 20493), (61, 20529), (62, 20556), (64, 20574), (70, 20682), (72, 20697), (76, 20748), (77, 20751), (79, 20823), (81, 20859), (82, 20919), (83, 20925),

Gene: PascalRango_24 Start: 18638, Stop: 20695, Start Num: 2

Candidate Starts for PascalRango_24:

(Start: 2 @18638 has 209 MA's), (6, 18746), (7, 18770), (11, 18848), (15, 18989), (16, 19019), (18, 19061), (22, 19154), (28, 19412), (34, 19604), (40, 19748), (41, 19751), (45, 19787), (48, 19817), (52, 19916), (56, 20081), (58, 20135), (59, 20186), (61, 20222), (70, 20375), (72, 20390), (76, 20441), (77, 20444), (79, 20516), (81, 20552), (82, 20612), (83, 20618),

Gene: PattyP_27 Start: 19124, Stop: 21181, Start Num: 2

Candidate Starts for PattyP_27:

(Start: 2 @19124 has 209 MA's), (6, 19232), (7, 19256), (11, 19334), (15, 19475), (16, 19505), (18, 19547), (22, 19640), (28, 19898), (34, 20090), (40, 20234), (41, 20237), (45, 20273), (52, 20402), (56, 20567), (58, 20621), (59, 20672), (61, 20708), (72, 20876), (76, 20927), (77, 20930), (79, 21002), (81, 21038), (82, 21098), (83, 21104),

Gene: Payneful_25 Start: 18394, Stop: 20451, Start Num: 2

Candidate Starts for Payneful_25:

(Start: 2 @18394 has 209 MA's), (6, 18502), (7, 18526), (11, 18604), (15, 18745), (16, 18775), (17, 18802), (18, 18817), (22, 18910), (28, 19168), (34, 19360), (40, 19504), (41, 19507), (45, 19543), (48, 19573), (52, 19672), (56, 19837), (58, 19891), (59, 19942), (61, 19978), (64, 20023), (70, 20131), (72, 20146), (76, 20197), (77, 20200), (79, 20272), (81, 20308), (82, 20368), (83, 20374),

Gene: Pelly_26 Start: 19543, Stop: 21600, Start Num: 2

Candidate Starts for Pelly_26:

(Start: 2 @19543 has 209 MA's), (6, 19651), (7, 19675), (11, 19753), (16, 19924), (18, 19966), (22, 20059), (28, 20317), (34, 20509), (40, 20653), (41, 20656), (45, 20692), (52, 20821), (56, 20986), (58, 21040), (59, 21091), (61, 21127), (64, 21172), (70, 21280), (72, 21295), (76, 21346), (77, 21349), (79, 21421), (81, 21457), (82, 21517), (83, 21523),

Gene: Pepe_26 Start: 19725, Stop: 21782, Start Num: 2

Candidate Starts for Pepe_26:

(Start: 2 @19725 has 209 MA's), (6, 19833), (7, 19857), (11, 19935), (15, 20076), (16, 20106), (18, 20148), (28, 20499), (34, 20691), (40, 20835), (41, 20838), (45, 20874), (48, 20904), (52, 21003), (56, 21168), (58, 21222), (59, 21273), (61, 21309), (64, 21354), (70, 21462), (72, 21477), (76, 21528), (77, 21531), (79, 21603), (81, 21639), (82, 21699), (83, 21705),

Gene: Perseus_26 Start: 19487, Stop: 21544, Start Num: 2

Candidate Starts for Perseus_26:

(Start: 2 @19487 has 209 MA's), (6, 19595), (7, 19619), (11, 19697), (15, 19838), (16, 19868), (17, 19895), (18, 19910), (22, 20003), (28, 20261), (34, 20453), (40, 20597), (41, 20600), (45, 20636), (52, 20765), (56, 20930), (58, 20984), (59, 21035), (61, 21071), (64, 21116), (70, 21224), (72, 21239), (76, 21290), (77, 21293), (79, 21365), (81, 21401), (82, 21461), (83, 21467),

Gene: Peterson_28 Start: 20753, Stop: 22810, Start Num: 2

Candidate Starts for Peterson_28:

(Start: 2 @20753 has 209 MA's), (6, 20861), (7, 20885), (11, 20963), (15, 21104), (16, 21134), (18, 21176), (28, 21527), (34, 21719), (40, 21863), (41, 21866), (45, 21902), (52, 22031), (56, 22196), (58, 22250), (59, 22301), (61, 22337), (64, 22382), (72, 22505), (76, 22556), (77, 22559), (79, 22631), (81, 22667), (82, 22727), (83, 22733),

Gene: Petp2012_27 Start: 19795, Stop: 21852, Start Num: 2

Candidate Starts for Petp2012_27:

(Start: 2 @19795 has 209 MA's), (6, 19903), (7, 19927), (11, 20005), (16, 20176), (17, 20203), (18, 20218), (22, 20311), (28, 20569), (34, 20761), (40, 20905), (41, 20908), (45, 20944), (52, 21073), (56, 21238), (58, 21292), (59, 21343), (61, 21379), (64, 21424), (72, 21547), (76, 21598), (77, 21601), (79, 21673), (81, 21709), (82, 21769), (83, 21775),

Gene: Petruccio_26 Start: 19316, Stop: 21373, Start Num: 2

Candidate Starts for Petruccio_26:

(Start: 2 @19316 has 209 MA's), (6, 19424), (7, 19448), (11, 19526), (15, 19667), (16, 19697), (17, 19724), (18, 19739), (22, 19832), (28, 20090), (34, 20282), (40, 20426), (41, 20429), (45, 20465), (48, 20495), (52, 20594), (56, 20759), (58, 20813), (59, 20864), (61, 20900), (64, 20945), (70, 21053), (72, 21068), (76, 21119), (77, 21122), (79, 21194), (81, 21230), (82, 21290), (83, 21296),

Gene: PherrisBueller_26 Start: 18730, Stop: 20787, Start Num: 2

Candidate Starts for PherrisBueller_26:

(Start: 2 @18730 has 209 MA's), (6, 18838), (7, 18862), (11, 18940), (16, 19111), (18, 19153), (28, 19504), (34, 19696), (40, 19840), (41, 19843), (45, 19879), (48, 19909), (52, 20008), (56, 20173), (58, 20227), (59, 20278), (61, 20314), (64, 20359), (70, 20467), (72, 20482), (76, 20533), (77, 20536), (79, 20608), (81, 20644), (82, 20704), (83, 20710),

Gene: PhineBark_25 Start: 19621, Stop: 21678, Start Num: 2

Candidate Starts for PhineBark_25:

(Start: 2 @19621 has 209 MA's), (6, 19729), (7, 19753), (11, 19831), (15, 19972), (16, 20002), (17, 20029), (18, 20044), (22, 20137), (25, 20284), (28, 20395), (34, 20587), (40, 20731), (41, 20734), (45, 20770), (48, 20800), (52, 20899), (56, 21064), (58, 21118), (59, 21169), (61, 21205), (64, 21250), (70, 21358), (72, 21373), (76, 21424), (77, 21427), (79, 21499), (81, 21535), (82, 21595), (83, 21601),

Gene: Phlippers_24 Start: 19924, Stop: 21981, Start Num: 2

Candidate Starts for Phlippers_24:

(Start: 2 @19924 has 209 MA's), (6, 20032), (7, 20056), (11, 20134), (16, 20305), (17, 20332), (18, 20347), (22, 20440), (28, 20698), (34, 20890), (40, 21034), (41, 21037), (45, 21073), (48, 21103), (52, 21202), (56, 21367), (58, 21421), (59, 21472), (61, 21508), (62, 21535), (64, 21553), (72, 21676), (76, 21727), (77, 21730), (79, 21802), (81, 21838), (82, 21898), (83, 21904),

Gene: PhrostyMug_25 Start: 18902, Stop: 20959, Start Num: 2

Candidate Starts for PhrostyMug_25:

(Start: 2 @18902 has 209 MA's), (6, 19010), (7, 19034), (11, 19112), (15, 19253), (16, 19283), (18, 19325), (22, 19418), (28, 19676), (34, 19868), (40, 20012), (41, 20015), (45, 20051), (48, 20081), (52, 20180), (56, 20345), (58, 20399), (59, 20450), (61, 20486), (64, 20531), (70, 20639), (72, 20654), (76, 20705), (77, 20708), (79, 20780), (81, 20816), (82, 20876), (83, 20882),

Gene: PinkPlastic_24 Start: 18664, Stop: 20721, Start Num: 2

Candidate Starts for PinkPlastic_24:

(Start: 2 @18664 has 209 MA's), (6, 18772), (7, 18796), (11, 18874), (15, 19015), (16, 19045), (18, 19087), (22, 19180), (28, 19438), (34, 19630), (40, 19774), (41, 19777), (45, 19813), (48, 19843), (52, 19942), (56, 20107), (58, 20161), (59, 20212), (61, 20248), (64, 20293), (70, 20401), (72, 20416), (76, 20467), (77, 20470), (79, 20542), (81, 20578), (82, 20638), (83, 20644),

Gene: Pinto_28 Start: 19455, Stop: 21512, Start Num: 2

Candidate Starts for Pinto_28:

(Start: 2 @19455 has 209 MA's), (6, 19563), (7, 19587), (11, 19665), (15, 19806), (16, 19836), (18, 19878), (22, 19971), (28, 20229), (34, 20421), (40, 20565), (41, 20568), (45, 20604), (48, 20634), (52, 20733), (56, 20898), (58, 20952), (59, 21003), (61, 21039), (64, 21084), (70, 21192), (72, 21207), (76, 21258), (77, 21261), (79, 21333), (81, 21369), (82, 21429), (83, 21435),

Gene: Pippin_27 Start: 19228, Stop: 21285, Start Num: 2

Candidate Starts for Pippin_27:

(Start: 2 @19228 has 209 MA's), (6, 19336), (7, 19360), (11, 19438), (15, 19579), (16, 19609), (18, 19651), (22, 19744), (28, 20002), (34, 20194), (40, 20338), (41, 20341), (45, 20377), (48, 20407), (52, 20506), (56, 20671), (58, 20725), (59, 20776), (61, 20812), (64, 20857), (70, 20965), (72, 20980), (76, 21031), (77, 21034), (79, 21106), (81, 21142), (82, 21202), (83, 21208),

Gene: Pita2_27 Start: 19327, Stop: 21384, Start Num: 2

Candidate Starts for Pita2_27:

(Start: 2 @19327 has 209 MA's), (6, 19435), (7, 19459), (11, 19537), (16, 19708), (17, 19735), (18, 19750), (22, 19843), (28, 20101), (34, 20293), (40, 20437), (41, 20440), (45, 20476), (51, 20548), (52, 20605), (56, 20770), (58, 20824), (59, 20875), (61, 20911), (64, 20956), (70, 21064), (72, 21079), (76, 21130), (77, 21133), (79, 21205), (81, 21241), (82, 21301), (83, 21307),

Gene: ProMouse_24 Start: 19347, Stop: 21404, Start Num: 2

Candidate Starts for ProMouse_24:

(Start: 2 @19347 has 209 MA's), (6, 19455), (7, 19479), (11, 19557), (15, 19698), (16, 19728), (18, 19770), (27, 20055), (28, 20121), (34, 20313), (40, 20457), (41, 20460), (45, 20496), (48, 20526), (49, 20535), (52, 20625), (56, 20790), (58, 20844), (59, 20895), (61, 20931), (62, 20958), (64, 20976), (70, 21084), (72, 21099), (76, 21150), (77, 21153), (79, 21225), (81, 21261), (82, 21321), (83, 21327),

Gene: QTRlifeCrisis_25 Start: 19484, Stop: 21541, Start Num: 2

Candidate Starts for QTRlifeCrisis_25:

(Start: 2 @19484 has 209 MA's), (6, 19592), (7, 19616), (11, 19694), (15, 19835), (16, 19865), (17, 19892), (18, 19907), (22, 20000), (28, 20258), (34, 20450), (40, 20594), (41, 20597), (45, 20633), (52, 20762), (56, 20927), (58, 20981), (59, 21032), (61, 21068), (64, 21113), (70, 21221), (72, 21236), (76, 21287), (77, 21290), (79, 21362), (81, 21398), (82, 21458), (83, 21464),

Gene: Raid_26 Start: 18933, Stop: 20990, Start Num: 2

Candidate Starts for Raid_26:

(Start: 2 @18933 has 209 MA's), (6, 19041), (7, 19065), (11, 19143), (15, 19284), (16, 19314), (18, 19356), (27, 19641), (28, 19707), (34, 19899), (40, 20043), (41, 20046), (45, 20082), (48, 20112), (49, 20121), (52, 20211), (56, 20376), (58, 20430), (59, 20481), (61, 20517), (64, 20562), (70, 20670), (72, 20685), (76, 20736), (77, 20739), (79, 20811), (81, 20847), (82, 20907), (83, 20913),

Gene: Rajelicia_25 Start: 18623, Stop: 20680, Start Num: 2

Candidate Starts for Rajelicia_25:

(Start: 2 @18623 has 209 MA's), (6, 18731), (7, 18755), (11, 18833), (15, 18974), (16, 19004), (18, 19046), (28, 19397), (34, 19589), (40, 19733), (41, 19736), (45, 19772), (52, 19901), (56, 20066), (58, 20120), (59, 20171), (61, 20207), (62, 20234), (64, 20252), (70, 20360), (72, 20375), (76, 20426), (77, 20429), (79, 20501), (81, 20537), (82, 20597), (83, 20603),

Gene: Rhynn_25 Start: 18911, Stop: 20968, Start Num: 2

Candidate Starts for Rhynn_25:

(Start: 2 @18911 has 209 MA's), (6, 19019), (7, 19043), (11, 19121), (15, 19262), (16, 19292), (18, 19334), (22, 19427), (28, 19685), (34, 19877), (40, 20021), (41, 20024), (45, 20060), (48, 20090), (49, 20099), (52, 20189), (56, 20354), (58, 20408), (59, 20459), (61, 20495), (64, 20540), (70, 20648), (72, 20663), (76, 20714), (77, 20717), (79, 20789), (81, 20825), (82, 20885), (83, 20891),

Gene: RidgeCB_25 Start: 18686, Stop: 20743, Start Num: 2

Candidate Starts for RidgeCB_25:

(Start: 2 @18686 has 209 MA's), (6, 18794), (7, 18818), (11, 18896), (15, 19037), (16, 19067), (17, 19094), (18, 19109), (22, 19202), (28, 19460), (34, 19652), (40, 19796), (41, 19799), (45, 19835), (48, 19865), (52, 19964), (56, 20129), (58, 20183), (59, 20234), (61, 20270), (64, 20315), (72, 20438), (76, 20489), (77, 20492), (79, 20564), (81, 20600), (82, 20660), (83, 20666),

Gene: Ringer_25 Start: 19585, Stop: 21642, Start Num: 2

Candidate Starts for Ringer_25:

(Start: 2 @19585 has 209 MA's), (6, 19693), (7, 19717), (11, 19795), (15, 19936), (16, 19966), (18, 20008), (22, 20101), (28, 20359), (34, 20551), (40, 20695), (41, 20698), (45, 20734), (48, 20764), (52, 20863), (56, 21028), (58, 21082), (59, 21133), (61, 21169), (64, 21214), (70, 21322), (72, 21337), (76, 21388), (77, 21391), (79, 21463), (81, 21499), (82, 21559), (83, 21565),

Gene: Rohr_26 Start: 19108, Stop: 21165, Start Num: 2

Candidate Starts for Rohr_26:

(Start: 2 @19108 has 209 MA's), (6, 19216), (7, 19240), (11, 19318), (15, 19459), (16, 19489), (18, 19531), (22, 19624), (28, 19882), (34, 20074), (40, 20218), (41, 20221), (45, 20257), (48, 20287), (52, 20386), (56, 20551), (58, 20605), (59, 20656), (61, 20692), (64, 20737), (70, 20845), (72, 20860), (76, 20911), (77, 20914), (79, 20986), (81, 21022), (82, 21082), (83, 21088),

Gene: Rubeus_26 Start: 18946, Stop: 21003, Start Num: 2

Candidate Starts for Rubeus_26:

(Start: 2 @18946 has 209 MA's), (6, 19054), (7, 19078), (11, 19156), (15, 19297), (16, 19327), (17, 19354), (18, 19369), (22, 19462), (28, 19720), (34, 19912), (40, 20056), (41, 20059), (45, 20095), (52, 20224), (56, 20389), (58, 20443), (59, 20494), (61, 20530), (62, 20557), (64, 20575), (72, 20698), (76, 20749), (77, 20752), (79, 20824), (81, 20860), (82, 20920), (83, 20926),

Gene: Rufus_26 Start: 19270, Stop: 21327, Start Num: 2

Candidate Starts for Rufus_26:

(Start: 2 @19270 has 209 MA's), (6, 19378), (7, 19402), (11, 19480), (15, 19621), (16, 19651), (17, 19678), (18, 19693), (22, 19786), (28, 20044), (34, 20236), (40, 20380), (41, 20383), (45, 20419), (51, 20491), (52, 20548), (56, 20713), (58, 20767), (59, 20818), (61, 20854), (62, 20881), (64, 20899), (70, 21007), (72, 21022), (76, 21073), (77, 21076), (79, 21148), (81, 21184), (82, 21244), (83, 21250),

Gene: Ruotula_24 Start: 19474, Stop: 21531, Start Num: 2

Candidate Starts for Ruotula_24:

(Start: 2 @19474 has 209 MA's), (6, 19582), (7, 19606), (11, 19684), (15, 19825), (16, 19855), (18, 19897), (28, 20248), (34, 20440), (40, 20584), (41, 20587), (45, 20623), (52, 20752), (56, 20917), (58, 20971), (59, 21022), (61, 21058), (64, 21103), (72, 21226), (76, 21277), (77, 21280), (79, 21352), (81, 21388), (82, 21448), (83, 21454),

Gene: Rutherferd_27 Start: 19517, Stop: 21574, Start Num: 2

Candidate Starts for Rutherferd_27:

(Start: 2 @19517 has 209 MA's), (6, 19625), (7, 19649), (11, 19727), (15, 19868), (16, 19898), (18, 19940), (22, 20033), (28, 20291), (34, 20483), (40, 20627), (41, 20630), (45, 20666), (52, 20795), (56, 20960), (58, 21014), (59, 21065), (61, 21101), (64, 21146), (70, 21254), (72, 21269), (76, 21320), (77, 21323), (79, 21395), (81, 21431), (82, 21491), (83, 21497),

Gene: STLscum_26 Start: 19677, Stop: 21734, Start Num: 2

Candidate Starts for STLscum_26:

(Start: 2 @19677 has 209 MA's), (6, 19785), (7, 19809), (11, 19887), (15, 20028), (16, 20058), (17, 20085), (18, 20100), (22, 20193), (28, 20451), (34, 20643), (40, 20787), (41, 20790), (45, 20826), (48, 20856), (52, 20955), (56, 21120), (58, 21174), (59, 21225), (61, 21261), (62, 21288), (64, 21306), (70, 21414), (72, 21429), (76, 21480), (77, 21483), (79, 21555), (81, 21591), (82, 21651), (83, 21657),

Gene: Sagefire_26 Start: 19710, Stop: 21767, Start Num: 2

Candidate Starts for Sagefire_26:

(Start: 2 @19710 has 209 MA's), (6, 19818), (7, 19842), (11, 19920), (16, 20091), (17, 20118), (18, 20133), (28, 20484), (34, 20676), (40, 20820), (41, 20823), (45, 20859), (48, 20889), (52, 20988), (56, 21153), (58, 21207), (59, 21258), (61, 21294), (64, 21339), (70, 21447), (72, 21462), (76, 21513), (77, 21516), (79, 21588), (81, 21624), (82, 21684), (83, 21690),

Gene: Sandaddy_24 Start: 18823, Stop: 20880, Start Num: 2

Candidate Starts for Sandaddy_24:

(Start: 2 @18823 has 209 MA's), (6, 18931), (7, 18955), (11, 19033), (15, 19174), (16, 19204), (18, 19246), (22, 19339), (28, 19597), (34, 19789), (40, 19933), (41, 19936), (45, 19972), (48, 20002), (52, 20101), (56, 20266), (58, 20320), (59, 20371), (61, 20407), (64, 20452), (70, 20560), (72, 20575), (76, 20626), (77, 20629), (79, 20701), (81, 20737), (82, 20797), (83, 20803),

Gene: Sanya_24 Start: 19485, Stop: 21542, Start Num: 2

Candidate Starts for Sanya_24:

(Start: 2 @19485 has 209 MA's), (6, 19593), (7, 19617), (11, 19695), (15, 19836), (16, 19866), (18, 19908), (22, 20001), (28, 20259), (34, 20451), (40, 20595), (41, 20598), (45, 20634), (52, 20763), (56, 20928), (58, 20982), (59, 21033), (61, 21069), (62, 21096), (64, 21114), (72, 21237), (76, 21288), (77, 21291), (79, 21363), (81, 21399), (82, 21459), (83, 21465),

Gene: SarFire_25 Start: 18963, Stop: 21020, Start Num: 2

Candidate Starts for SarFire_25:

(Start: 2 @18963 has 209 MA's), (6, 19071), (7, 19095), (11, 19173), (15, 19314), (16, 19344), (18, 19386), (28, 19737), (34, 19929), (40, 20073), (45, 20112), (48, 20142), (49, 20151), (52, 20241), (56, 20406), (58, 20460), (59, 20511), (61, 20547), (62, 20574), (64, 20592), (72, 20715), (76, 20766), (77, 20769), (79, 20841), (81, 20877), (82, 20937), (83, 20943),

Gene: Scowl_26 Start: 19545, Stop: 21602, Start Num: 2

Candidate Starts for Scowl_26:

(Start: 2 @19545 has 209 MA's), (6, 19653), (7, 19677), (11, 19755), (15, 19896), (16, 19926), (17, 19953), (18, 19968), (22, 20061), (28, 20319), (34, 20511), (40, 20655), (41, 20658), (45, 20694), (48, 20724), (52, 20823), (56, 20988), (58, 21042), (59, 21093), (61, 21129), (64, 21174), (70, 21282), (72, 21297), (76, 21348), (77, 21351), (79, 21423), (81, 21459), (82, 21519), (83, 21525),

Gene: Seabiscuit_27 Start: 18891, Stop: 20948, Start Num: 2

Candidate Starts for Seabiscuit_27:

(Start: 2 @18891 has 209 MA's), (6, 18999), (7, 19023), (11, 19101), (15, 19242), (16, 19272), (17, 19299), (18, 19314), (22, 19407), (28, 19665), (34, 19857), (40, 20001), (41, 20004), (45, 20040), (48, 20070), (52, 20169), (56, 20334), (58, 20388), (59, 20439), (61, 20475), (64, 20520), (70, 20628), (72, 20643), (76, 20694), (77, 20697), (79, 20769), (81, 20805), (82, 20865), (83, 20871),

Gene: Seanderson_26 Start: 19343, Stop: 21400, Start Num: 2

Candidate Starts for Seanderson_26:

(Start: 2 @19343 has 209 MA's), (6, 19451), (7, 19475), (11, 19553), (15, 19694), (16, 19724), (18, 19766), (22, 19859), (28, 20117), (34, 20309), (40, 20453), (41, 20456), (45, 20492), (52, 20621), (56, 20786), (58, 20840), (59, 20891), (61, 20927), (64, 20972), (70, 21080), (72, 21095), (76, 21146), (77, 21149), (79, 21221), (81, 21257), (82, 21317), (83, 21323),

Gene: Sheen_28 Start: 21003, Stop: 22982, Start Num: 3

Candidate Starts for Sheen_28:

(Start: 3 @21003 has 1 MA's), (5, 21081), (8, 21132), (9, 21171), (10, 21198), (11, 21201), (12, 21243), (18, 21411), (19, 21414), (26, 21705), (28, 21765), (29, 21810), (30, 21906), (33, 21954), (34, 21957), (35, 21972), (36, 21990), (38, 22032), (39, 22089), (43, 22119), (52, 22269), (54, 22314), (55, 22341), (59, 22470), (63, 22548), (65, 22593), (66, 22608), (67, 22632), (71, 22668), (72, 22677), (78, 22773), (80, 22827), (81, 22839), (84, 22929), (85, 22932), (87, 22974),

Gene: ShortQueendom_24 Start: 18783, Stop: 20840, Start Num: 2

Candidate Starts for ShortQueendom_24:

(Start: 2 @18783 has 209 MA's), (6, 18891), (7, 18915), (11, 18993), (15, 19134), (16, 19164), (18, 19206), (22, 19299), (28, 19557), (34, 19749), (40, 19893), (41, 19896), (45, 19932), (48, 19962), (52, 20061), (56, 20226), (58, 20280), (59, 20331), (61, 20367), (64, 20412), (70, 20520), (72, 20535), (76, 20586), (77, 20589), (79, 20661), (81, 20697), (82, 20757), (83, 20763),

Gene: Sibs6_27 Start: 19428, Stop: 21485, Start Num: 2

Candidate Starts for Sibs6_27:

(Start: 2 @19428 has 209 MA's), (6, 19536), (7, 19560), (11, 19638), (15, 19779), (16, 19809), (17, 19836), (18, 19851), (22, 19944), (28, 20202), (34, 20394), (40, 20538), (41, 20541), (45, 20577), (52, 20706), (56, 20871), (58, 20925), (59, 20976), (61, 21012), (72, 21180), (76, 21231), (77, 21234), (79,

21306), (81, 21342), (82, 21402), (83, 21408),

Gene: SkiPole_27 Start: 19189, Stop: 21246, Start Num: 2

Candidate Starts for SkiPole_27:

(Start: 2 @19189 has 209 MA's), (6, 19297), (7, 19321), (11, 19399), (15, 19540), (16, 19570), (18, 19612), (22, 19705), (28, 19963), (34, 20155), (40, 20299), (41, 20302), (45, 20338), (48, 20368), (49, 20377), (52, 20467), (56, 20632), (58, 20686), (59, 20737), (61, 20773), (62, 20800), (64, 20818), (70, 20926), (72, 20941), (76, 20992), (77, 20995), (79, 21067), (81, 21103), (82, 21163), (83, 21169),

Gene: Slagathor_26 Start: 18771, Stop: 20828, Start Num: 2

Candidate Starts for Slagathor_26:

(Start: 2 @18771 has 209 MA's), (6, 18879), (7, 18903), (11, 18981), (15, 19122), (16, 19152), (17, 19179), (18, 19194), (22, 19287), (28, 19545), (34, 19737), (40, 19881), (41, 19884), (45, 19920), (48, 19950), (49, 19959), (52, 20049), (56, 20214), (58, 20268), (59, 20319), (61, 20355), (64, 20400), (70, 20508), (72, 20523), (76, 20574), (77, 20577), (79, 20649), (81, 20685), (82, 20745), (83, 20751),

Gene: Smairt_26 Start: 19603, Stop: 21660, Start Num: 2

Candidate Starts for Smairt_26:

(Start: 2 @19603 has 209 MA's), (6, 19711), (7, 19735), (11, 19813), (15, 19954), (16, 19984), (18, 20026), (28, 20377), (34, 20569), (40, 20713), (41, 20716), (45, 20752), (48, 20782), (52, 20881), (56, 21046), (58, 21100), (59, 21151), (61, 21187), (64, 21232), (70, 21340), (72, 21355), (76, 21406), (77, 21409), (79, 21481), (81, 21517), (82, 21577), (83, 21583),

Gene: Smeagol_27 Start: 20204, Stop: 22261, Start Num: 2

Candidate Starts for Smeagol_27:

(Start: 2 @20204 has 209 MA's), (6, 20312), (7, 20336), (11, 20414), (15, 20555), (16, 20585), (17, 20612), (18, 20627), (22, 20720), (28, 20978), (34, 21170), (40, 21314), (41, 21317), (45, 21353), (48, 21383), (52, 21482), (56, 21647), (58, 21701), (59, 21752), (61, 21788), (64, 21833), (70, 21941), (72, 21956), (76, 22007), (77, 22010), (79, 22082), (81, 22118), (82, 22178), (83, 22184),

Gene: Snazzy_24 Start: 18789, Stop: 20846, Start Num: 2

Candidate Starts for Snazzy_24:

(Start: 2 @18789 has 209 MA's), (6, 18897), (7, 18921), (11, 18999), (15, 19140), (16, 19170), (17, 19197), (18, 19212), (22, 19305), (25, 19452), (28, 19563), (34, 19755), (40, 19899), (41, 19902), (45, 19938), (48, 19968), (52, 20067), (56, 20232), (58, 20286), (59, 20337), (61, 20373), (62, 20400), (64, 20418), (70, 20526), (72, 20541), (76, 20592), (77, 20595), (79, 20667), (81, 20703), (82, 20763), (83, 20769),

Gene: Solon_25 Start: 19454, Stop: 21511, Start Num: 2

Candidate Starts for Solon_25:

(Start: 2 @19454 has 209 MA's), (6, 19562), (7, 19586), (11, 19664), (15, 19805), (16, 19835), (17, 19862), (18, 19877), (22, 19970), (28, 20228), (34, 20420), (40, 20564), (41, 20567), (45, 20603), (52, 20732), (56, 20897), (58, 20951), (59, 21002), (61, 21038), (64, 21083), (70, 21191), (72, 21206), (76, 21257), (77, 21260), (79, 21332), (81, 21368), (82, 21428), (83, 21434),

Gene: Sorpresa_25 Start: 18823, Stop: 20880, Start Num: 2

Candidate Starts for Sorpresa_25:

(Start: 2 @18823 has 209 MA's), (6, 18931), (7, 18955), (11, 19033), (15, 19174), (16, 19204), (18, 19246), (22, 19339), (28, 19597), (34, 19789), (40, 19933), (41, 19936), (45, 19972), (48, 20002), (52, 20101), (56, 20266), (58, 20320), (59, 20371), (61, 20407), (64, 20452), (70, 20560), (72, 20575), (76, 20626), (77, 20629), (79, 20701), (81, 20737), (82, 20797), (83, 20803),

Gene: SpikeBT_27 Start: 19759, Stop: 21816, Start Num: 2

Candidate Starts for SpikeBT_27:

(Start: 2 @19759 has 209 MA's), (6, 19867), (7, 19891), (11, 19969), (15, 20110), (16, 20140), (18, 20182), (22, 20275), (28, 20533), (34, 20725), (40, 20869), (41, 20872), (45, 20908), (48, 20938), (52, 21037), (56, 21202), (58, 21256), (59, 21307), (61, 21343), (64, 21388), (70, 21496), (72, 21511), (76, 21562), (77, 21565), (79, 21637), (81, 21673), (82, 21733), (83, 21739),

Gene: Squee_26 Start: 19730, Stop: 21787, Start Num: 2

Candidate Starts for Squee_26:

(Start: 2 @19730 has 209 MA's), (6, 19838), (7, 19862), (11, 19940), (15, 20081), (16, 20111), (18, 20153), (22, 20246), (28, 20504), (34, 20696), (40, 20840), (41, 20843), (45, 20879), (48, 20909), (52, 21008), (56, 21173), (58, 21227), (59, 21278), (61, 21314), (64, 21359), (70, 21467), (72, 21482), (76, 21533), (77, 21536), (79, 21608), (81, 21644), (82, 21704), (83, 21710),

Gene: StewieG_24 Start: 18666, Stop: 20723, Start Num: 2

Candidate Starts for StewieG_24:

(Start: 2 @18666 has 209 MA's), (6, 18774), (7, 18798), (11, 18876), (15, 19017), (16, 19047), (18, 19089), (28, 19440), (34, 19632), (40, 19776), (41, 19779), (45, 19815), (52, 19944), (56, 20109), (58, 20163), (59, 20214), (61, 20250), (64, 20295), (70, 20403), (72, 20418), (76, 20469), (77, 20472), (79, 20544), (81, 20580), (82, 20640), (83, 20646),

Gene: StrongArm_24 Start: 19843, Stop: 21900, Start Num: 2

Candidate Starts for StrongArm_24:

(Start: 2 @19843 has 209 MA's), (6, 19951), (7, 19975), (11, 20053), (16, 20224), (17, 20251), (18, 20266), (22, 20359), (28, 20617), (34, 20809), (40, 20953), (41, 20956), (45, 20992), (52, 21121), (56, 21286), (58, 21340), (59, 21391), (61, 21427), (64, 21472), (72, 21595), (76, 21646), (77, 21649), (79, 21721), (81, 21757), (82, 21817), (83, 21823),

Gene: Sumter_24 Start: 18414, Stop: 20471, Start Num: 2

Candidate Starts for Sumter_24:

(Start: 2 @18414 has 209 MA's), (7, 18546), (11, 18624), (15, 18765), (16, 18795), (17, 18822), (18, 18837), (22, 18930), (28, 19188), (34, 19380), (40, 19524), (41, 19527), (45, 19563), (48, 19593), (52, 19692), (56, 19857), (58, 19911), (59, 19962), (61, 19998), (64, 20043), (70, 20151), (72, 20166), (76, 20217), (77, 20220), (79, 20292), (81, 20328), (82, 20388), (83, 20394),

Gene: Sunshine924_24 Start: 18398, Stop: 20455, Start Num: 2

Candidate Starts for Sunshine924_24:

(Start: 2 @18398 has 209 MA's), (6, 18506), (7, 18530), (11, 18608), (15, 18749), (16, 18779), (18, 18821), (22, 18914), (28, 19172), (34, 19364), (40, 19508), (41, 19511), (45, 19547), (48, 19577), (52, 19676), (56, 19841), (58, 19895), (59, 19946), (61, 19982), (64, 20027), (70, 20135), (72, 20150), (76, 20201), (77, 20204), (79, 20276), (81, 20312), (82, 20372), (83, 20378),

Gene: SwissCheese_26 Start: 19358, Stop: 21415, Start Num: 2

Candidate Starts for SwissCheese_26:

(Start: 2 @19358 has 209 MA's), (6, 19466), (7, 19490), (11, 19568), (16, 19739), (18, 19781), (28, 20132), (34, 20324), (40, 20468), (41, 20471), (45, 20507), (52, 20636), (56, 20801), (58, 20855), (59, 20906), (61, 20942), (64, 20987), (72, 21110), (76, 21161), (77, 21164), (79, 21236), (81, 21272), (82, 21332), (83, 21338),

Gene: Switzer_26 Start: 18997, Stop: 21054, Start Num: 2

Candidate Starts for Switzer_26:

(Start: 2 @18997 has 209 MA's), (6, 19105), (7, 19129), (11, 19207), (15, 19348), (16, 19378), (17, 19405), (18, 19420), (22, 19513), (28, 19771), (34, 19963), (40, 20107), (41, 20110), (45, 20146), (52, 20275), (56, 20440), (58, 20494), (59, 20545), (61, 20581), (64, 20626), (70, 20734), (72, 20749), (76,

20800), (77, 20803), (79, 20875), (81, 20911), (82, 20971), (83, 20977),

Gene: Swole_27 Start: 19327, Stop: 21384, Start Num: 2

Candidate Starts for Swole_27:

(Start: 2 @19327 has 209 MA's), (6, 19435), (7, 19459), (11, 19537), (16, 19708), (17, 19735), (18, 19750), (22, 19843), (28, 20101), (34, 20293), (40, 20437), (41, 20440), (45, 20476), (51, 20548), (52, 20605), (56, 20770), (58, 20824), (59, 20875), (61, 20911), (62, 20938), (64, 20956), (70, 21064), (72, 21079), (76, 21130), (77, 21133), (79, 21205), (81, 21241), (82, 21301), (83, 21307),

Gene: Target_28 Start: 20358, Stop: 22415, Start Num: 2

Candidate Starts for Target_28:

(Start: 2 @20358 has 209 MA's), (6, 20466), (7, 20490), (11, 20568), (15, 20709), (16, 20739), (18, 20781), (22, 20874), (28, 21132), (34, 21324), (40, 21468), (41, 21471), (45, 21507), (48, 21537), (52, 21636), (56, 21801), (58, 21855), (59, 21906), (61, 21942), (64, 21987), (70, 22095), (72, 22110), (76, 22161), (77, 22164), (79, 22236), (81, 22272), (82, 22332), (83, 22338),

Gene: Tasp14_26 Start: 19088, Stop: 21145, Start Num: 2

Candidate Starts for Tasp14_26:

(Start: 2 @19088 has 209 MA's), (6, 19196), (7, 19220), (11, 19298), (15, 19439), (16, 19469), (17, 19496), (18, 19511), (22, 19604), (28, 19862), (34, 20054), (40, 20198), (41, 20201), (45, 20237), (52, 20366), (56, 20531), (58, 20585), (59, 20636), (61, 20672), (62, 20699), (64, 20717), (72, 20840), (76, 20891), (77, 20894), (79, 20966), (81, 21002), (82, 21062), (83, 21068),

Gene: Teodoridan_23 Start: 18231, Stop: 20288, Start Num: 2

Candidate Starts for Teodoridan_23:

(Start: 2 @18231 has 209 MA's), (6, 18339), (7, 18363), (11, 18441), (15, 18582), (16, 18612), (18, 18654), (22, 18747), (25, 18894), (28, 19005), (34, 19197), (40, 19341), (41, 19344), (45, 19380), (48, 19410), (52, 19509), (56, 19674), (58, 19728), (59, 19779), (61, 19815), (64, 19860), (70, 19968), (72, 19983), (76, 20034), (77, 20037), (79, 20109), (81, 20145), (82, 20205), (83, 20211),

Gene: TheloniousMonk_27 Start: 20502, Stop: 22559, Start Num: 2

Candidate Starts for TheloniousMonk_27:

(Start: 2 @20502 has 209 MA's), (6, 20610), (7, 20634), (11, 20712), (15, 20853), (16, 20883), (17, 20910), (18, 20925), (22, 21018), (28, 21276), (34, 21468), (40, 21612), (41, 21615), (45, 21651), (52, 21780), (56, 21945), (58, 21999), (59, 22050), (61, 22086), (64, 22131), (70, 22239), (72, 22254), (76, 22305), (77, 22308), (79, 22380), (81, 22416), (82, 22476), (83, 22482),

Gene: Thor_25 Start: 18963, Stop: 21020, Start Num: 2

Candidate Starts for Thor_25:

(Start: 2 @18963 has 209 MA's), (6, 19071), (7, 19095), (11, 19173), (15, 19314), (16, 19344), (18, 19386), (28, 19737), (34, 19929), (40, 20073), (45, 20112), (48, 20142), (49, 20151), (52, 20241), (56, 20406), (58, 20460), (59, 20511), (61, 20547), (62, 20574), (64, 20592), (72, 20715), (76, 20766), (77, 20769), (79, 20841), (81, 20877), (82, 20937), (83, 20943),

Gene: Timshel_27 Start: 20872, Stop: 22854, Start Num: 4

Candidate Starts for Timshel_27:

(Start: 4 @20872 has 3 MA's), (7, 20992), (9, 21040), (10, 21067), (11, 21070), (12, 21112), (13, 21166), (18, 21280), (19, 21283), (20, 21325), (23, 21415), (24, 21493), (29, 21679), (30, 21775), (31, 21790), (34, 21826), (36, 21859), (37, 21868), (46, 22012), (47, 22015), (51, 22081), (55, 22213), (57, 22294), (63, 22420), (67, 22504), (68, 22507), (69, 22525), (70, 22534), (72, 22549), (75, 22585), (76, 22600), (78, 22645), (80, 22699), (81, 22711), (84, 22801), (86, 22807), (87, 22846),

Gene: Topgun_25 Start: 18716, Stop: 20773, Start Num: 2

Candidate Starts for Topgun_25:

(Start: 2 @18716 has 209 MA's), (6, 18824), (7, 18848), (11, 18926), (15, 19067), (16, 19097), (18, 19139), (22, 19232), (28, 19490), (34, 19682), (40, 19826), (41, 19829), (45, 19865), (48, 19895), (49, 19904), (52, 19994), (56, 20159), (58, 20213), (59, 20264), (61, 20300), (62, 20327), (64, 20345), (72, 20468), (76, 20519), (77, 20522), (79, 20594), (81, 20630), (82, 20690), (83, 20696),

Gene: Toro_29 Start: 20948, Stop: 22927, Start Num: 3

Candidate Starts for Toro_29:

(Start: 3 @20948 has 1 MA's), (5, 21026), (8, 21077), (9, 21116), (10, 21143), (11, 21146), (12, 21188), (14, 21278), (18, 21356), (19, 21359), (26, 21650), (28, 21710), (29, 21755), (30, 21851), (33, 21899), (34, 21902), (35, 21917), (36, 21935), (38, 21977), (39, 22034), (43, 22064), (52, 22214), (54, 22259), (55, 22286), (59, 22415), (63, 22493), (65, 22538), (66, 22553), (67, 22577), (71, 22613), (72, 22622), (78, 22718), (80, 22772), (81, 22784), (84, 22874), (85, 22877), (87, 22919),

Gene: Tote_27 Start: 19327, Stop: 21384, Start Num: 2

Candidate Starts for Tote_27:

(Start: 2 @19327 has 209 MA's), (6, 19435), (7, 19459), (11, 19537), (16, 19708), (17, 19735), (18, 19750), (22, 19843), (28, 20101), (34, 20293), (40, 20437), (41, 20440), (45, 20476), (51, 20548), (52, 20605), (56, 20770), (58, 20824), (59, 20875), (61, 20911), (62, 20938), (64, 20956), (70, 21064), (72, 21079), (76, 21130), (77, 21133), (79, 21205), (81, 21241), (82, 21301), (83, 21307),

Gene: Traft412_27 Start: 19806, Stop: 21863, Start Num: 2

Candidate Starts for Traft412_27:

(Start: 2 @19806 has 209 MA's), (6, 19914), (7, 19938), (11, 20016), (16, 20187), (17, 20214), (18, 20229), (22, 20322), (28, 20580), (34, 20772), (40, 20916), (41, 20919), (45, 20955), (52, 21084), (56, 21249), (58, 21303), (59, 21354), (61, 21390), (64, 21435), (70, 21543), (72, 21558), (76, 21609), (77, 21612), (79, 21684), (81, 21720), (82, 21780), (83, 21786),

Gene: Treddle_27 Start: 20118, Stop: 22175, Start Num: 2

Candidate Starts for Treddle_27:

(Start: 2 @20118 has 209 MA's), (6, 20226), (7, 20250), (11, 20328), (15, 20469), (16, 20499), (18, 20541), (22, 20634), (28, 20892), (34, 21084), (40, 21228), (41, 21231), (45, 21267), (52, 21396), (56, 21561), (58, 21615), (59, 21666), (61, 21702), (64, 21747), (70, 21855), (72, 21870), (76, 21921), (77, 21924), (79, 21996), (81, 22032), (82, 22092), (83, 22098),

Gene: Tripl3t_26 Start: 19737, Stop: 21794, Start Num: 2

Candidate Starts for Tripl3t_26:

(Start: 2 @19737 has 209 MA's), (6, 19845), (7, 19869), (11, 19947), (15, 20088), (16, 20118), (18, 20160), (28, 20511), (34, 20703), (40, 20847), (41, 20850), (45, 20886), (52, 21015), (58, 21234), (59, 21285), (61, 21321), (64, 21366), (70, 21474), (72, 21489), (76, 21540), (77, 21543), (79, 21615), (81, 21651), (82, 21711), (83, 21717),

Gene: Trouble_26 Start: 19662, Stop: 21719, Start Num: 2

Candidate Starts for Trouble_26:

(Start: 2 @19662 has 209 MA's), (6, 19770), (7, 19794), (11, 19872), (15, 20013), (16, 20043), (17, 20070), (18, 20085), (22, 20178), (28, 20436), (34, 20628), (40, 20772), (41, 20775), (45, 20811), (52, 20940), (56, 21105), (58, 21159), (59, 21210), (61, 21246), (64, 21291), (70, 21399), (72, 21414), (76, 21465), (77, 21468), (79, 21540), (81, 21576), (82, 21636), (83, 21642),

Gene: Turj99_24 Start: 18602, Stop: 20659, Start Num: 2

Candidate Starts for Turj99_24:

(Start: 2 @18602 has 209 MA's), (6, 18710), (7, 18734), (11, 18812), (15, 18953), (16, 18983), (18, 19025), (22, 19118), (28, 19376), (34, 19568), (40, 19712), (41, 19715), (45, 19751), (52, 19880), (56,

20045), (58, 20099), (59, 20150), (61, 20186), (64, 20231), (70, 20339), (72, 20354), (76, 20405), (77, 20408), (79, 20480), (81, 20516), (82, 20576), (83, 20582),

Gene: TwoPeat_26 Start: 19126, Stop: 21183, Start Num: 2

Candidate Starts for TwoPeat_26:

(Start: 2 @19126 has 209 MA's), (6, 19234), (7, 19258), (11, 19336), (15, 19477), (16, 19507), (18, 19549), (28, 19900), (34, 20092), (40, 20236), (41, 20239), (45, 20275), (48, 20305), (49, 20314), (52, 20404), (56, 20569), (58, 20623), (59, 20674), (61, 20710), (64, 20755), (70, 20863), (72, 20878), (76, 20929), (77, 20932), (79, 21004), (81, 21040), (82, 21100), (83, 21106),

Gene: U2_25 Start: 19003, Stop: 21060, Start Num: 2

Candidate Starts for U2_25:

(Start: 2 @19003 has 209 MA's), (6, 19111), (7, 19135), (11, 19213), (15, 19354), (16, 19384), (17, 19411), (18, 19426), (22, 19519), (28, 19777), (34, 19969), (40, 20113), (41, 20116), (45, 20152), (52, 20281), (56, 20446), (58, 20500), (59, 20551), (61, 20587), (64, 20632), (70, 20740), (72, 20755), (76, 20806), (77, 20809), (79, 20881), (81, 20917), (82, 20977), (83, 20983),

Gene: Violet_24 Start: 19410, Stop: 21467, Start Num: 2

Candidate Starts for Violet_24:

(Start: 2 @19410 has 209 MA's), (6, 19518), (7, 19542), (11, 19620), (15, 19761), (16, 19791), (18, 19833), (28, 20184), (34, 20376), (40, 20520), (41, 20523), (45, 20559), (48, 20589), (49, 20598), (52, 20688), (56, 20853), (58, 20907), (59, 20958), (61, 20994), (62, 21021), (64, 21039), (72, 21162), (76, 21213), (77, 21216), (79, 21288), (81, 21324), (82, 21384), (83, 21390),

Gene: Watermelon_27 Start: 19724, Stop: 21781, Start Num: 2

Candidate Starts for Watermelon_27:

(Start: 2 @19724 has 209 MA's), (6, 19832), (7, 19856), (11, 19934), (15, 20075), (16, 20105), (17, 20132), (18, 20147), (22, 20240), (28, 20498), (34, 20690), (40, 20834), (41, 20837), (45, 20873), (48, 20903), (52, 21002), (56, 21167), (58, 21221), (59, 21272), (61, 21308), (64, 21353), (70, 21461), (72, 21476), (77, 21530), (79, 21602), (81, 21638), (82, 21698), (83, 21704),

Gene: Wheeler_25 Start: 19178, Stop: 21235, Start Num: 2

Candidate Starts for Wheeler_25:

(Start: 2 @19178 has 209 MA's), (6, 19286), (7, 19310), (11, 19388), (15, 19529), (16, 19559), (17, 19586), (18, 19601), (22, 19694), (28, 19952), (34, 20144), (40, 20288), (41, 20291), (45, 20327), (48, 20357), (52, 20456), (56, 20621), (58, 20675), (59, 20726), (61, 20762), (64, 20807), (72, 20930), (76, 20981), (77, 20984), (79, 21056), (81, 21092), (82, 21152), (83, 21158),

Gene: Wilkins_25 Start: 18716, Stop: 20773, Start Num: 2

Candidate Starts for Wilkins_25:

(Start: 2 @18716 has 209 MA's), (6, 18824), (7, 18848), (11, 18926), (15, 19067), (16, 19097), (18, 19139), (22, 19232), (28, 19490), (34, 19682), (40, 19826), (41, 19829), (45, 19865), (48, 19895), (52, 19994), (56, 20159), (58, 20213), (59, 20264), (61, 20300), (64, 20345), (70, 20453), (72, 20468), (76, 20519), (77, 20522), (79, 20594), (81, 20630), (82, 20690), (83, 20696),

Gene: Zeeculate_25 Start: 19537, Stop: 21594, Start Num: 2

Candidate Starts for Zeeculate_25:

(Start: 2 @19537 has 209 MA's), (6, 19645), (7, 19669), (11, 19747), (15, 19888), (16, 19918), (17, 19945), (18, 19960), (22, 20053), (28, 20311), (34, 20503), (40, 20647), (41, 20650), (45, 20686), (48, 20716), (52, 20815), (56, 20980), (58, 21034), (59, 21085), (61, 21121), (64, 21166), (70, 21274), (72, 21289), (76, 21340), (77, 21343), (79, 21415), (81, 21451), (82, 21511), (83, 21517),

Gene: Zephyr_25 Start: 18957, Stop: 21014, Start Num: 2

Candidate Starts for Zephyr_25:

(Start: 2 @18957 has 209 MA's), (6, 19065), (7, 19089), (11, 19167), (15, 19308), (16, 19338), (18, 19380), (28, 19731), (34, 19923), (40, 20067), (41, 20070), (45, 20106), (48, 20136), (49, 20145), (52, 20235), (56, 20400), (58, 20454), (59, 20505), (61, 20541), (64, 20586), (70, 20694), (72, 20709), (76, 20760), (77, 20763), (79, 20835), (81, 20871), (82, 20931), (83, 20937),

Gene: Zeuska_26 Start: 19391, Stop: 21448, Start Num: 2

Candidate Starts for Zeuska_26:

(Start: 2 @19391 has 209 MA's), (6, 19499), (7, 19523), (11, 19601), (15, 19742), (16, 19772), (18, 19814), (22, 19907), (28, 20165), (34, 20357), (40, 20501), (41, 20504), (45, 20540), (48, 20570), (52, 20669), (56, 20834), (58, 20888), (59, 20939), (61, 20975), (64, 21020), (70, 21128), (72, 21143), (76, 21194), (77, 21197), (79, 21269), (81, 21305), (82, 21365), (83, 21371),