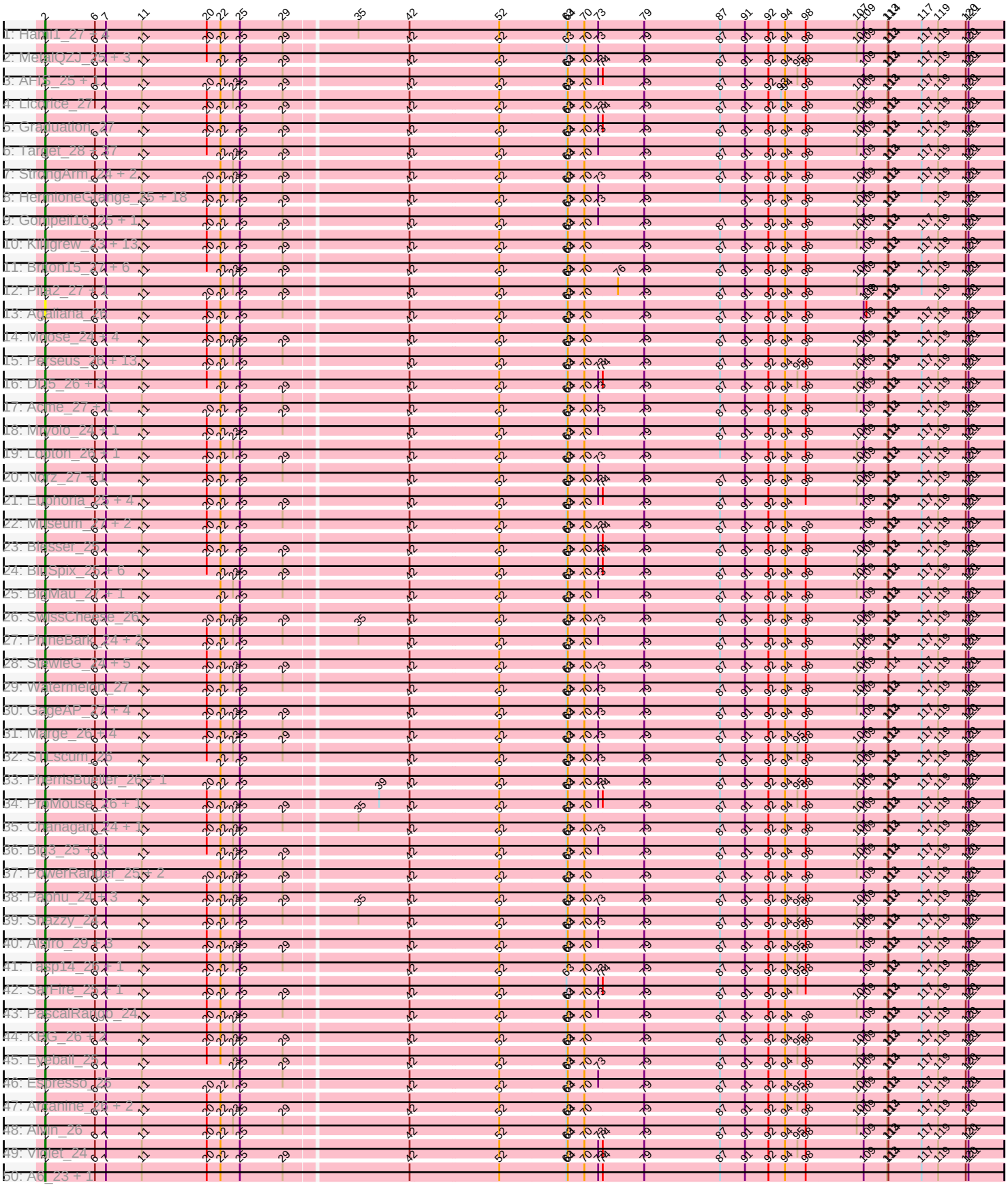
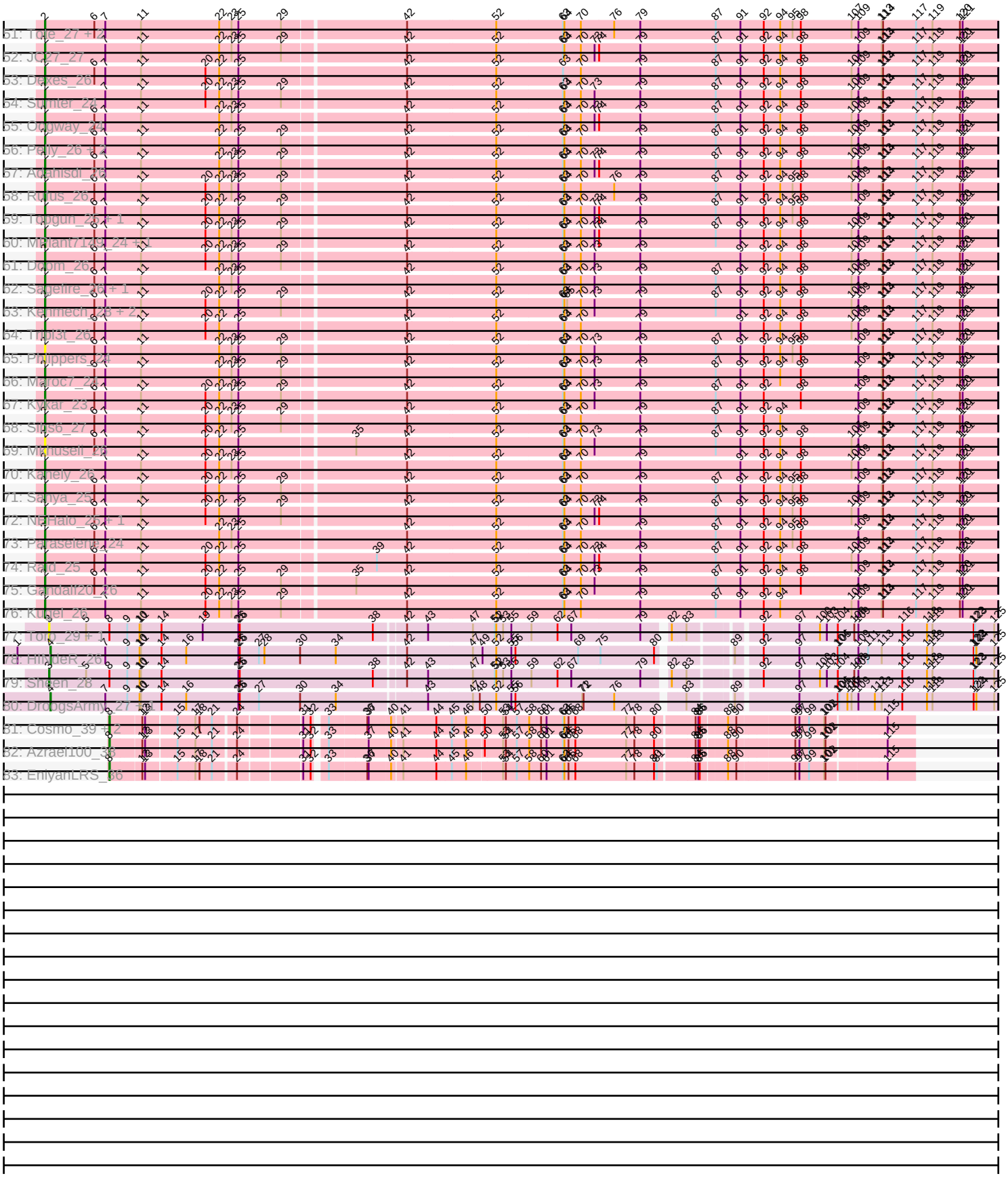
Pham 345336



Pham 345336



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 345336 Report

This analysis was run 11/14/26 on database version 672.

Pham number 345336 has 256 members, 16 are drafts.

Phages represented in each track:
• Track 1 : Hami1_27, Beatrix_25, Teodoridan_23, Gachnar_25, 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, Marsha_25, Jerm2_26, PinkPlastic_24, Fenn_26, Carlyle_27, Pippin_27, Ringer_25, Sorpresa_25, Sandaddy_24, CartmannCramer_25, Altman_27, Squee_26, Aeneas_27, Inyanga_24, JackSparrow_26, Greg_27, Mule_25, Bigchungi_25, Ohno789_25, Rohr_26, Buttons_26, Iqorha_24, Monet_27, Applejack_25, Puppet_25, Pinto_28, Fajezeel_27, Wilkins_25, ChristmasHams_26, Blue_25, PhrostyMug_25, LilBib_26, SpikeBT_27, ShortQueendom_25, Sunshine924_24, Edtherson_26, Zeuska_26
• Track 7 : StrongArm_24, Bexan_24, Petp2012_27
• Track 8 : HermioneGrange_25, Aldrich_27, Noxious_28, Crispicous1_24, BaconJack_27, KikiBouba_28, GroundGoblin_27, Seabiscuit_27, Petruchio_26, Smeagol_27, Payneful_25, Hermia_28, DreamCatcher_28, McSinger_26, CatBus_27, DirtDevil_27, 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, Rutherferd_27, Niza_27, Naira_26, Treddle_27, Fascinus_24, Seanderson_26
• Track 11 : Briton15_27, Fushigi_26, GrecoEtereo_27, HanShotFirst_25, Jasper_26, Marcell_25, Francis47_25
• Track 12 : Pita2_27, PSullivan_27
• Track 13 : Agaliana_26
• Track 14 : Moose_24, Ruotula_24, Forsytheast_24, Peterson_28, Manatee_26
• 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 : Norz_27, Papez_27
• Track 21 : Euphoria_25, Michley_25, TwoPeat_26, Zephyr_25, GMonster_24
• Track 22 : Museum_27, PattyP_27, Burton_26
• Track 23 : Blesser_25

• Track 24 : BluSpix_25, IgnatiusPatJac_24, LunarLander_25, Marco3_25, Whitspit_26, Cueylyss_25, Rhynn_25
• Track 25 : BigMau_27, Bob3_24
• Track 26 : SwissCheese_26
• Track 27 : PhineBark_24, BarrowTuph_24, Levia_25
• Track 28 : StewieG_24, Froghopper_26, ConceptII_27, Bruns_24, McGuire_26, Hope4ever_25
• Track 29 : Watermelon_27
• Track 30 : GageAP_27, Pepe_26, Blackflame_25, 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 : ProMouse_26, Ichabod_26
• Track 35 : Chanagan_24, MilleFeuille_24
• Track 36 : Big3_25, MrGordo_25, Bxb1_23, BillKnuckles_26
• Track 37 : PowerRanger_25, Molly_26, Traft412_27
• Track 38 : Paphu_24, HarryOW_26, Dynamix_26, Abrogate_260
• Track 39 : Snazzy_24
• Track 40 : Alsfro_29, Lamina13_25, EnzoK_26, Pari_26
• Track 41 : Tasp14_26, Rubeus_26
• Track 42 : SarFire_25, Thor_25
• Track 43 : PascalRango_24
• Track 44 : KBG_26, PacerPaul_25, Ajay_26
• Track 45 : Eyeball_25
• Track 46 : Espresso_25
• Track 47 : Arcanine_26, BeesKnees_26, Rajelicia_25
• Track 48 : Alvin_26
• Track 49 : Violet_24
• Track 50 : A6_23, BK1_23
• Track 51 : Tote_27, Swole_27, JuliaChild_27
• Track 52 : JC27_27
• Track 53 : Dexes_26
• Track 54 : Sumter_24
• Track 55 : Oogway_24
• Track 56 : Pelly_26, Atkinbua_27, Homines_25
• Track 57 : Adahisdi_26
• Track 58 : Rufus_26
• Track 59 : Topgun_25, CactusRose_24
• Track 60 : MPlant7149_24, Slagathor_26
• Track 61 : Doom_26
• Track 62 : Sagefire_26, Nerujay_26
• Track 63 : Kenmech_28, Abbyshoes_26, Dussy_26
• Track 64 : Tripl3t_26
• Track 65 : Phlippers_24
• Track 66 : Maroc7_24
• Track 67 : Kykar_23
• Track 68 : Sibs6_27
• Track 69 : Mkhuseli_26
• Track 70 : Kanely_26
• Track 71 : Sanya_25
• Track 72 : NEHalo_25, SkiPole_27
• Track 73 : Paraselene_24
• Track 74 : Raid_25

• Track 75 : Gandalf20_26
• Track 76 : Kugel_26
• Track 77 : Toro_29, FlyCatcher_30
• Track 78 : HINdeR_26
• Track 79 : Sheen_28
• Track 80 : DroogsArmy_27, Timshel_27
• Track 81 : Cosmo_39, Wildcat_39, MaryV_39
• Track 82 : Azrael100_38
• Track 83 : EniyanLRS_36

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 231 of the 240 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, Aldrich_27, 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, Bigchungi_25, Bigfoot_24, BillKnuckles_26, Bircsak_25, Blackflame_25, Blesser_25, BluSpix_25, Blue_25, Bob3_24, Bones_25, Briton15_27, Bruns_24, Burton_26, Buttons_26, Bxb1_23, CactusRose_24, Carlyle_27, CartmannCramer_25, CatBus_27, Chanagan_24, ChristmasHams_26, Ciao_25, ConceptII_27, Corvo_26, Crispicous1_24, Cueylyss_25, DD5_26, Dexes_26, DirtDevil_27, Doom_26, DrFeelGood_24, DreamCatcher_28, Dreamboat_26, Dulcie_24, Dussy_26, Dynamix_26, Edtherson_26, EnzoK_26, Espresso_25, Euphoria_25, Eyeball_25, Fajezeel_27, Fascinus_24, Fenn_26, Forsytheast_24, Francis47_25, Froghopper_26, Fushigi_26, GMonster_24, Gachnar_25, GageAP_27, Gandalf20_26, Gompeii16_25, Graduation_27, GrecoEtereo_27, Greg_27, GroundGoblin_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, KikiBouba_28, Killigrew_23, Kugel_26, KyMonks1A_27, Kykar_23, Lamina13_25, Lesedi_24, Levia_25, 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, MilleFeuille_24, 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, Noxious_28, 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_24, Phlippers_24, PhrostyMug_25, PinkPlastic_24, Pinto_28, Pippin_27, Pita2_27, PowerRanger_25, ProMouse_26, Puppet_25, QTRlifeCrisis_25, Raid_25, Rajelicia_25, Rhynn_25, RidgeCB_25, Ringer_25, Rohr_26, Rubeus_26, Rufus_26, Ruotula_24, Rutherferd_27, STLscum_26, Sagefire_26, Sandaddy_24, Sanya_25,

SarFire_25, Scowl_26, Seabiscuit_27, Seanderson_26, ShortQueendom_25, 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, Whitspit_26, Wilkins_25, Zeeculate_25, Zephyr_25, Zeuska_26,

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

Genes that do not have the "Most Annotated" start:
• Azrael100_38, Cosmo_39, DroogsArmy_27, EniyanLRS_36, FlyCatcher_30, HINdeR_26, MaryV_39, Sheen_28, Timshel_27, Toro_29, Wildcat_39,

Summary by start number:

Start 2:
• Found in 245 of 256 (95.7%) of genes in pham
• Manual Annotations of this start: 231 of 240
• 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), Aldrich_27 (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), Blackflame_25 (A1), Blesser_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), CartmannCramer_25 (A1), CatBus_27 (A1), Chanagan_24 (A1), ChristmasHams_26 (A1), Ciao_25 (A1), ConceptII_27 (A1), Corvo_26 (A1), Crispicous1_24 (A1), Cueylyss_25 (A1), DD5_26 (A1), Dexes_26 (A1), DirtDevil_27 (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_26 (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), Gachnar_25 (A1), GageAP_27 (A1), Gandalf20_26 (A1), Gompeii16_25 (A1), Graduation_27 (A1), GrecoEtereo_27 (A1), Greg_27 (A1), GroundGoblin_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), KikiBouba_28 (A1), Killigrew_23 (A1), Kugel_26 (A1), KyMonks1A_27 (A1), Kykar_23 (A1), Lamina13_25 (A1), Lesedi_24 (A1), Levia_25 (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), MilleFeuille_24 (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), Noxious_28 (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), Petruchio_26 (A1), PherrisBueller_26 (A1), PhineBark_24 (A1), Phlippers_24 (A1), PhrostyMug_25 (A1), PinkPlastic_24 (A1), Pinto_28 (A1), Pippin_27 (A1), Pita2_27 (A1), PowerRanger_25 (A1), ProMouse_26 (A1), Puppet_25 (A1), QTRlifeCrisis_25 (A1), Raid_25 (A1), Rajelicia_25 (A1), Rhynn_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_25 (A1), SarFire_25 (A1), Scowl_26 (A1), Seabiscuit_27 (A1), Seanderson_26 (A1), ShortQueendom_25 (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), Whitspit_26 (A1), Wilkins_25 (A1), Zeeculate_25 (A1), Zephyr_25 (A1), Zeuska_26 (A1),

Start 3:
• Found in 3 of 256 (1.2%) of genes in pham
• Manual Annotations of this start: 1 of 240
• 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 256 (1.2%) of genes in pham
• Manual Annotations of this start: 3 of 240
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DroogsArmy_27 (A7), HINdeR_26 (A7), Timshel_27 (A7),

Start 8:
• Found in 8 of 256 (3.1%) of genes in pham
• Manual Annotations of this start: 5 of 240
• Called 62.5% of time when present
• Phage (with cluster) where this start called: Azrael100_38 (V), Cosmo_39 (V), EniyanLRS_36 (V), MaryV_39 (V), Wildcat_39 (V),

Summary by clusters:

There are 3 clusters represented in this pham: A1, A7, V,

Info for manual annotations of cluster A1:

•Start number 2 was manually annotated 231 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.

Info for manual annotations of cluster V:
•Start number 8 was manually annotated 5 times for cluster V.

Gene Information:

Gene: A6_23 Start: 18425, Stop: 20482, Start Num: 2
Candidate Starts for A6_23:
(Start: 2 @18425 has 231 MA's), (6, 18533), (7, 18557), (11, 18635), (20, 18776), (22, 18806), (25, 18848), (29, 18941), (42, 19199), (52, 19391), (63, 19535), (64, 19538), (70, 19574), (73, 19604), (74, 19613), (79, 19703), (87, 19868), (91, 19922), (92, 19973), (94, 20009), (98, 20054), (109, 20177), (113, 20228), (114, 20231), (117, 20303), (119, 20339), (120, 20399), (121, 20405),

Gene: AFIS_25 Start: 18946, Stop: 21003, Start Num: 2
Candidate Starts for AFIS_25:
(Start: 2 @18946 has 231 MA's), (6, 19054), (7, 19078), (11, 19156), (22, 19327), (25, 19369), (29, 19462), (42, 19720), (52, 19912), (63, 20056), (64, 20059), (70, 20095), (73, 20125), (74, 20134), (79, 20224), (87, 20389), (91, 20443), (92, 20494), (94, 20530), (95, 20557), (98, 20575), (109, 20698), (113, 20749), (114, 20752), (117, 20824), (119, 20860), (120, 20920), (121, 20926),

Gene: Abbyshoes_26 Start: 19083, Stop: 21140, Start Num: 2
Candidate Starts for Abbyshoes_26:
(Start: 2 @19083 has 231 MA's), (6, 19191), (7, 19215), (11, 19293), (20, 19434), (22, 19464), (25, 19506), (29, 19599), (42, 19857), (52, 20049), (63, 20193), (64, 20196), (65, 20202), (70, 20232), (73, 20262), (79, 20361), (87, 20526), (91, 20580), (92, 20631), (94, 20667), (98, 20712), (107, 20820), (109, 20835), (113, 20886), (114, 20889), (117, 20961), (119, 20997), (120, 21057), (121, 21063),

Gene: Abrogate_260 Start: 19621, Stop: 21678, Start Num: 2
Candidate Starts for Abrogate_260:
(Start: 2 @19621 has 231 MA's), (6, 19729), (7, 19753), (11, 19831), (20, 19972), (22, 20002), (23, 20029), (25, 20044), (29, 20137), (42, 20395), (52, 20587), (63, 20731), (64, 20734), (70, 20770), (79, 20899), (87, 21064), (91, 21118), (92, 21169), (94, 21205), (98, 21250), (109, 21373), (113, 21424), (114, 21427), (117, 21499), (119, 21535), (120, 21595), (121, 21601),

Gene: Acme_27 Start: 19184, Stop: 21241, Start Num: 2
Candidate Starts for Acme_27:
(Start: 2 @19184 has 231 MA's), (7, 19316), (11, 19394), (22, 19565), (25, 19607), (29, 19700), (42, 19958), (52, 20150), (63, 20294), (64, 20297), (70, 20333), (73, 20363), (79, 20462), (87, 20627), (91, 20681), (92, 20732), (94, 20768), (98, 20813), (107, 20921), (109, 20936), (113, 20987), (114, 20990), (117, 21062), (119, 21098), (120, 21158), (121, 21164),

Gene: Adahisdi_26 Start: 19091, Stop: 21148, Start Num: 2
Candidate Starts for Adahisdi_26:
(Start: 2 @19091 has 231 MA's), (6, 19199), (7, 19223), (11, 19301), (22, 19472), (23, 19499), (25, 19514), (29, 19607), (42, 19865), (52, 20057), (63, 20201), (64, 20204), (70, 20240), (73, 20270), (74, 20279), (79, 20369), (87, 20534), (91, 20588), (92, 20639), (94, 20675), (98, 20720), (107, 20828),

(109, 20843), (113, 20894), (114, 20897), (117, 20969), (119, 21005), (120, 21065), (121, 21071),

Gene: Aeneas_27 Start: 19198, Stop: 21255, Start Num: 2
Candidate Starts for Aeneas_27:
(Start: 2 @19198 has 231 MA's), (6, 19306), (7, 19330), (11, 19408), (20, 19549), (22, 19579), (25, 19621), (29, 19714), (42, 19972), (52, 20164), (63, 20308), (64, 20311), (70, 20347), (73, 20377), (79, 20476), (87, 20641), (91, 20695), (92, 20746), (94, 20782), (98, 20827), (107, 20935), (109, 20950), (113, 21001), (114, 21004), (117, 21076), (119, 21112), (120, 21172), (121, 21178),

Gene: Agaliana_26 Start: 19142, Stop: 21199, Start Num: 2
Candidate Starts for Agaliana_26:
(Start: 2 @19142 has 231 MA's), (6, 19250), (7, 19274), (11, 19352), (20, 19493), (22, 19523), (25, 19565), (29, 19658), (42, 19916), (52, 20108), (63, 20252), (64, 20255), (70, 20291), (79, 20420), (87, 20585), (91, 20639), (92, 20690), (94, 20726), (98, 20771), (109, 20894), (110, 20900), (113, 20945), (114, 20948), (119, 21056), (120, 21116), (121, 21122),

Gene: Ajay_26 Start: 19396, Stop: 21453, Start Num: 2
Candidate Starts for Ajay_26:
(Start: 2 @19396 has 231 MA's), (6, 19504), (7, 19528), (11, 19606), (20, 19747), (22, 19777), (23, 19804), (25, 19819), (42, 20170), (52, 20362), (63, 20506), (64, 20509), (70, 20545), (79, 20674), (87, 20839), (91, 20893), (92, 20944), (94, 20980), (98, 21025), (109, 21148), (113, 21199), (114, 21202), (117, 21274), (119, 21310), (120, 21370), (121, 21376),

Gene: Aldrich_27 Start: 20187, Stop: 22244, Start Num: 2
Candidate Starts for Aldrich_27:
(Start: 2 @20187 has 231 MA's), (6, 20295), (7, 20319), (11, 20397), (20, 20538), (22, 20568), (23, 20595), (25, 20610), (29, 20703), (42, 20961), (52, 21153), (63, 21297), (64, 21300), (70, 21336), (73, 21366), (79, 21465), (87, 21630), (91, 21684), (92, 21735), (94, 21771), (98, 21816), (107, 21924), (109, 21939), (113, 21990), (114, 21993), (117, 22065), (119, 22101), (120, 22161), (121, 22167),

Gene: Alsfro_29 Start: 19629, Stop: 21686, Start Num: 2
Candidate Starts for Alsfro_29:
(Start: 2 @19629 has 231 MA's), (6, 19737), (7, 19761), (11, 19839), (20, 19980), (22, 20010), (25, 20052), (42, 20403), (52, 20595), (63, 20739), (64, 20742), (70, 20778), (73, 20808), (79, 20907), (87, 21072), (91, 21126), (92, 21177), (94, 21213), (95, 21240), (98, 21258), (107, 21366), (109, 21381), (113, 21432), (114, 21435), (117, 21507), (119, 21543), (120, 21603), (121, 21609),

Gene: Altman_27 Start: 19687, Stop: 21744, Start Num: 2
Candidate Starts for Altman_27:
(Start: 2 @19687 has 231 MA's), (6, 19795), (7, 19819), (11, 19897), (20, 20038), (22, 20068), (25, 20110), (29, 20203), (42, 20461), (52, 20653), (63, 20797), (64, 20800), (70, 20836), (73, 20866), (79, 20965), (87, 21130), (91, 21184), (92, 21235), (94, 21271), (98, 21316), (107, 21424), (109, 21439), (113, 21490), (114, 21493), (117, 21565), (119, 21601), (120, 21661), (121, 21667),

Gene: Alvin_26 Start: 19399, Stop: 21456, Start Num: 2
Candidate Starts for Alvin_26:
(Start: 2 @19399 has 231 MA's), (6, 19507), (7, 19531), (11, 19609), (20, 19750), (22, 19780), (23, 19807), (25, 19822), (29, 19915), (42, 20173), (52, 20365), (63, 20509), (64, 20512), (70, 20548), (79, 20677), (87, 20842), (91, 20896), (92, 20947), (94, 20983), (98, 21028), (107, 21136), (109, 21151), (113, 21202), (114, 21205), (117, 21277), (119, 21313), (120, 21373),

Gene: Anglerfish_26 Start: 19578, Stop: 21635, Start Num: 2
Candidate Starts for Anglerfish_26:

(Start: 2 @19578 has 231 MA's), (6, 19686), (7, 19710), (11, 19788), (20, 19929), (22, 19959), (25, 20001), (29, 20094), (42, 20352), (52, 20544), (63, 20688), (70, 20727), (73, 20757), (79, 20856), (87, 21021), (91, 21075), (92, 21126), (94, 21162), (98, 21207), (107, 21315), (109, 21330), (113, 21381), (114, 21384), (117, 21456), (119, 21492), (120, 21552), (121, 21558),

Gene: Applejack_25 Start: 18839, Stop: 20896, Start Num: 2
Candidate Starts for Applejack_25:
(Start: 2 @18839 has 231 MA's), (6, 18947), (7, 18971), (11, 19049), (20, 19190), (22, 19220), (25, 19262), (29, 19355), (42, 19613), (52, 19805), (63, 19949), (64, 19952), (70, 19988), (73, 20018), (79, 20117), (87, 20282), (91, 20336), (92, 20387), (94, 20423), (98, 20468), (107, 20576), (109, 20591), (113, 20642), (114, 20645), (117, 20717), (119, 20753), (120, 20813), (121, 20819),

Gene: Arcanine_26 Start: 18594, Stop: 20651, Start Num: 2
Candidate Starts for Arcanine_26:
(Start: 2 @18594 has 231 MA's), (6, 18702), (7, 18726), (11, 18804), (20, 18945), (22, 18975), (25, 19017), (42, 19368), (52, 19560), (63, 19704), (64, 19707), (70, 19743), (79, 19872), (87, 20037), (91, 20091), (92, 20142), (94, 20178), (95, 20205), (98, 20223), (107, 20331), (109, 20346), (113, 20397), (114, 20400), (117, 20472), (119, 20508), (120, 20568), (121, 20574),

Gene: Arlo_24 Start: 18468, Stop: 20525, Start Num: 2
Candidate Starts for Arlo_24:
(Start: 2 @18468 has 231 MA's), (6, 18576), (7, 18600), (11, 18678), (20, 18819), (22, 18849), (23, 18876), (25, 18891), (29, 18984), (42, 19242), (52, 19434), (63, 19578), (64, 19581), (70, 19617), (79, 19746), (87, 19911), (91, 19965), (92, 20016), (94, 20052), (98, 20097), (107, 20205), (109, 20220), (113, 20271), (114, 20274), (117, 20346), (119, 20382), (120, 20442), (121, 20448),

Gene: Ashballer_25 Start: 19339, Stop: 21396, Start Num: 2
Candidate Starts for Ashballer_25:
(Start: 2 @19339 has 231 MA's), (6, 19447), (7, 19471), (11, 19549), (20, 19690), (22, 19720), (23, 19747), (25, 19762), (29, 19855), (42, 20113), (52, 20305), (63, 20449), (64, 20452), (70, 20488), (79, 20617), (87, 20782), (91, 20836), (92, 20887), (94, 20923), (98, 20968), (107, 21076), (109, 21091), (113, 21142), (114, 21145), (117, 21217), (119, 21253), (120, 21313), (121, 21319),

Gene: Atkinbua_27 Start: 19292, Stop: 21349, Start Num: 2
Candidate Starts for Atkinbua_27:
(Start: 2 @19292 has 231 MA's), (6, 19400), (7, 19424), (11, 19502), (22, 19673), (25, 19715), (29, 19808), (42, 20066), (52, 20258), (63, 20402), (64, 20405), (70, 20441), (79, 20570), (87, 20735), (91, 20789), (92, 20840), (94, 20876), (98, 20921), (107, 21029), (109, 21044), (113, 21095), (114, 21098), (117, 21170), (119, 21206), (120, 21266), (121, 21272),

Gene: Azrael100_38 Start: 23705, Stop: 25300, Start Num: 8
Candidate Starts for Azrael100_38:
(Start: 8 @23705 has 5 MA's), (12, 23768), (13, 23774), (15, 23834), (17, 23870), (21, 23906), (24, 23951), (31, 24074), (32, 24089), (33, 24110), (37, 24191), (40, 24236), (41, 24257), (44, 24326), (45, 24356), (46, 24386), (50, 24422), (53, 24461), (54, 24467), (57, 24491), (58, 24518), (60, 24542), (61, 24554), (63, 24587), (64, 24590), (66, 24599), (68, 24614), (77, 24725), (78, 24743), (80, 24782), (84, 24863), (85, 24869), (86, 24872), (88, 24923), (90, 24941), (96, 25058), (97, 25067), (99, 25088), (101, 25118), (102, 25121), (115, 25241),

Gene: BK1_23 Start: 18425, Stop: 20482, Start Num: 2
Candidate Starts for BK1_23:
(Start: 2 @18425 has 231 MA's), (6, 18533), (7, 18557), (11, 18635), (20, 18776), (22, 18806), (25, 18848), (29, 18941), (42, 19199), (52, 19391), (63, 19535), (64, 19538), (70, 19574), (73, 19604), (74,

19613), (79, 19703), (87, 19868), (91, 19922), (92, 19973), (94, 20009), (98, 20054), (109, 20177), (113, 20228), (114, 20231), (117, 20303), (119, 20339), (120, 20399), (121, 20405),

Gene: BPBiebs31_26 Start: 19106, Stop: 21163, Start Num: 2
Candidate Starts for BPBiebs31_26:
(Start: 2 @19106 has 231 MA's), (6, 19214), (7, 19238), (11, 19316), (20, 19457), (22, 19487), (23, 19514), (25, 19529), (29, 19622), (42, 19880), (52, 20072), (63, 20216), (64, 20219), (70, 20255), (73, 20285), (79, 20384), (87, 20549), (91, 20603), (92, 20654), (94, 20690), (98, 20735), (109, 20858), (113, 20909), (114, 20912), (117, 20984), (119, 21020), (120, 21080), (121, 21086),

Gene: BaconJack_27 Start: 19108, Stop: 21165, Start Num: 2
Candidate Starts for BaconJack_27:
(Start: 2 @19108 has 231 MA's), (6, 19216), (7, 19240), (11, 19318), (20, 19459), (22, 19489), (23, 19516), (25, 19531), (29, 19624), (42, 19882), (52, 20074), (63, 20218), (64, 20221), (70, 20257), (73, 20287), (79, 20386), (87, 20551), (91, 20605), (92, 20656), (94, 20692), (98, 20737), (107, 20845), (109, 20860), (113, 20911), (114, 20914), (117, 20986), (119, 21022), (120, 21082), (121, 21088),

Gene: Barriga_25 Start: 18694, Stop: 20751, Start Num: 2
Candidate Starts for Barriga_25:
(Start: 2 @18694 has 231 MA's), (6, 18802), (7, 18826), (11, 18904), (20, 19045), (22, 19075), (25, 19117), (29, 19210), (42, 19468), (52, 19660), (63, 19804), (64, 19807), (70, 19843), (79, 19972), (87, 20137), (91, 20191), (92, 20242), (94, 20278), (98, 20323), (107, 20431), (109, 20446), (113, 20497), (114, 20500), (117, 20572), (119, 20608), (120, 20668), (121, 20674),

Gene: BarrowTuph_24 Start: 18737, Stop: 20794, Start Num: 2
Candidate Starts for BarrowTuph_24:
(Start: 2 @18737 has 231 MA's), (6, 18845), (7, 18869), (11, 18947), (20, 19088), (22, 19118), (23, 19145), (25, 19160), (29, 19253), (35, 19400), (42, 19511), (52, 19703), (63, 19847), (64, 19850), (70, 19886), (73, 19916), (79, 20015), (87, 20180), (91, 20234), (92, 20285), (94, 20321), (98, 20366), (107, 20474), (109, 20489), (113, 20540), (114, 20543), (117, 20615), (119, 20651), (120, 20711), (121, 20717),

Gene: Beatrix_25 Start: 20298, Stop: 22355, Start Num: 2
Candidate Starts for Beatrix_25:
(Start: 2 @20298 has 231 MA's), (6, 20406), (7, 20430), (11, 20508), (20, 20649), (22, 20679), (25, 20721), (29, 20814), (35, 20961), (42, 21072), (52, 21264), (63, 21408), (64, 21411), (70, 21447), (73, 21477), (79, 21576), (87, 21741), (91, 21795), (92, 21846), (94, 21882), (98, 21927), (107, 22035), (109, 22050), (113, 22101), (114, 22104), (117, 22176), (119, 22212), (120, 22272), (121, 22278),

Gene: BeesKnees_26 Start: 18893, Stop: 20950, Start Num: 2
Candidate Starts for BeesKnees_26:
(Start: 2 @18893 has 231 MA's), (6, 19001), (7, 19025), (11, 19103), (20, 19244), (22, 19274), (25, 19316), (42, 19667), (52, 19859), (63, 20003), (64, 20006), (70, 20042), (79, 20171), (87, 20336), (91, 20390), (92, 20441), (94, 20477), (95, 20504), (98, 20522), (107, 20630), (109, 20645), (113, 20696), (114, 20699), (117, 20771), (119, 20807), (120, 20867), (121, 20873),

Gene: Bethlehem_25 Start: 20121, Stop: 22178, Start Num: 2
Candidate Starts for Bethlehem_25:
(Start: 2 @20121 has 231 MA's), (6, 20229), (7, 20253), (11, 20331), (20, 20472), (22, 20502), (25, 20544), (42, 20895), (52, 21087), (63, 21231), (64, 21234), (70, 21270), (73, 21300), (74, 21309), (79, 21399), (87, 21564), (91, 21618), (92, 21669), (94, 21705), (95, 21732), (98, 21750), (107, 21858), (109, 21873), (113, 21924), (114, 21927), (117, 21999), (119, 22035), (120, 22095), (121, 22101),

Gene: Bexan_24 Start: 19843, Stop: 21900, Start Num: 2
Candidate Starts for Bexan_24:
(Start: 2 @19843 has 231 MA's), (6, 19951), (7, 19975), (11, 20053), (22, 20224), (23, 20251), (25, 20266), (29, 20359), (42, 20617), (52, 20809), (63, 20953), (64, 20956), (70, 20992), (79, 21121), (87, 21286), (91, 21340), (92, 21391), (94, 21427), (98, 21472), (109, 21595), (113, 21646), (114, 21649), (117, 21721), (119, 21757), (120, 21817), (121, 21823),

Gene: Big3_25 Start: 19474, Stop: 21531, Start Num: 2
Candidate Starts for Big3_25:
(Start: 2 @19474 has 231 MA's), (6, 19582), (7, 19606), (11, 19684), (20, 19825), (22, 19855), (23, 19882), (25, 19897), (42, 20248), (52, 20440), (63, 20584), (64, 20587), (70, 20623), (73, 20653), (79, 20752), (87, 20917), (91, 20971), (92, 21022), (94, 21058), (98, 21103), (107, 21211), (109, 21226), (113, 21277), (114, 21280), (117, 21352), (119, 21388), (120, 21448), (121, 21454),

Gene: BigMau_27 Start: 19075, Stop: 21132, Start Num: 2
Candidate Starts for BigMau_27:
(Start: 2 @19075 has 231 MA's), (6, 19183), (7, 19207), (11, 19285), (22, 19456), (23, 19483), (25, 19498), (29, 19591), (42, 19849), (52, 20041), (63, 20185), (64, 20188), (70, 20224), (73, 20254), (79, 20353), (87, 20518), (91, 20572), (92, 20623), (94, 20659), (98, 20704), (107, 20812), (109, 20827), (113, 20878), (114, 20881), (117, 20953), (119, 20989), (120, 21049), (121, 21055),

Gene: BigPaolini_26 Start: 19494, Stop: 21551, Start Num: 2
Candidate Starts for BigPaolini_26:
(Start: 2 @19494 has 231 MA's), (6, 19602), (7, 19626), (11, 19704), (20, 19845), (22, 19875), (25, 19917), (29, 20010), (35, 20157), (42, 20268), (52, 20460), (63, 20604), (64, 20607), (70, 20643), (73, 20673), (79, 20772), (87, 20937), (91, 20991), (92, 21042), (94, 21078), (98, 21123), (107, 21231), (109, 21246), (113, 21297), (114, 21300), (117, 21372), (119, 21408), (120, 21468), (121, 21474),

Gene: Bigchungi_25 Start: 18867, Stop: 20924, Start Num: 2
Candidate Starts for Bigchungi_25:
(Start: 2 @18867 has 231 MA's), (6, 18975), (7, 18999), (11, 19077), (20, 19218), (22, 19248), (25, 19290), (29, 19383), (42, 19641), (52, 19833), (63, 19977), (64, 19980), (70, 20016), (73, 20046), (79, 20145), (87, 20310), (91, 20364), (92, 20415), (94, 20451), (98, 20496), (107, 20604), (109, 20619), (113, 20670), (114, 20673), (117, 20745), (119, 20781), (120, 20841), (121, 20847),

Gene: Bigfoot_24 Start: 18703, Stop: 20760, Start Num: 2
Candidate Starts for Bigfoot_24:
(Start: 2 @18703 has 231 MA's), (6, 18811), (7, 18835), (11, 18913), (20, 19054), (22, 19084), (23, 19111), (25, 19126), (29, 19219), (42, 19477), (52, 19669), (63, 19813), (64, 19816), (70, 19852), (73, 19882), (79, 19981), (87, 20146), (91, 20200), (92, 20251), (94, 20287), (98, 20332), (109, 20455), (113, 20506), (114, 20509), (117, 20581), (119, 20617), (120, 20677), (121, 20683),

Gene: BillKnuckles_26 Start: 19559, Stop: 21616, Start Num: 2
Candidate Starts for BillKnuckles_26:
(Start: 2 @19559 has 231 MA's), (6, 19667), (7, 19691), (11, 19769), (20, 19910), (22, 19940), (23, 19967), (25, 19982), (42, 20333), (52, 20525), (63, 20669), (64, 20672), (70, 20708), (73, 20738), (79, 20837), (87, 21002), (91, 21056), (92, 21107), (94, 21143), (98, 21188), (107, 21296), (109, 21311), (113, 21362), (114, 21365), (117, 21437), (119, 21473), (120, 21533), (121, 21539),

Gene: Bircsak_25 Start: 19353, Stop: 21410, Start Num: 2
Candidate Starts for Bircsak_25:
(Start: 2 @19353 has 231 MA's), (6, 19461), (7, 19485), (11, 19563), (20, 19704), (22, 19734), (25, 19776), (29, 19869), (42, 20127), (52, 20319), (63, 20463), (64, 20466), (70, 20502), (73, 20532), (79,

20631), (91, 20850), (92, 20901), (94, 20937), (98, 20982), (107, 21090), (109, 21105), (113, 21156), (114, 21159), (119, 21267), (120, 21327), (121, 21333),

Gene: Blackflame_25 Start: 18876, Stop: 20933, Start Num: 2
Candidate Starts for Blackflame_25:
(Start: 2 @18876 has 231 MA's), (6, 18984), (7, 19008), (11, 19086), (20, 19227), (22, 19257), (25, 19299), (42, 19650), (52, 19842), (63, 19986), (64, 19989), (70, 20025), (73, 20055), (79, 20154), (87, 20319), (91, 20373), (92, 20424), (94, 20460), (98, 20505), (107, 20613), (109, 20628), (113, 20679), (114, 20682), (117, 20754), (119, 20790), (120, 20850), (121, 20856),

Gene: Blesser_25 Start: 19262, Stop: 21319, Start Num: 2
Candidate Starts for Blesser_25:
(Start: 2 @19262 has 231 MA's), (6, 19370), (7, 19394), (11, 19472), (20, 19613), (22, 19643), (25, 19685), (42, 20036), (52, 20228), (63, 20372), (64, 20375), (70, 20411), (73, 20441), (74, 20450), (79, 20540), (87, 20705), (91, 20759), (92, 20810), (94, 20846), (98, 20891), (109, 21014), (113, 21065), (114, 21068), (117, 21140), (119, 21176), (120, 21236), (121, 21242),

Gene: BluSpix_25 Start: 18855, Stop: 20912, Start Num: 2
Candidate Starts for BluSpix_25:
(Start: 2 @18855 has 231 MA's), (6, 18963), (7, 18987), (11, 19065), (20, 19206), (22, 19236), (25, 19278), (29, 19371), (42, 19629), (52, 19821), (63, 19965), (64, 19968), (70, 20004), (73, 20034), (74, 20043), (79, 20133), (87, 20298), (91, 20352), (92, 20403), (94, 20439), (98, 20484), (107, 20592), (109, 20607), (113, 20658), (114, 20661), (117, 20733), (119, 20769), (120, 20829), (121, 20835),

Gene: Blue_25 Start: 19327, Stop: 21384, Start Num: 2
Candidate Starts for Blue_25:
(Start: 2 @19327 has 231 MA's), (6, 19435), (7, 19459), (11, 19537), (20, 19678), (22, 19708), (25, 19750), (29, 19843), (42, 20101), (52, 20293), (63, 20437), (64, 20440), (70, 20476), (73, 20506), (79, 20605), (87, 20770), (91, 20824), (92, 20875), (94, 20911), (98, 20956), (107, 21064), (109, 21079), (113, 21130), (114, 21133), (117, 21205), (119, 21241), (120, 21301), (121, 21307),

Gene: Bob3_24 Start: 18415, Stop: 20472, Start Num: 2
Candidate Starts for Bob3_24:
(Start: 2 @18415 has 231 MA's), (6, 18523), (7, 18547), (11, 18625), (22, 18796), (23, 18823), (25, 18838), (29, 18931), (42, 19189), (52, 19381), (63, 19525), (64, 19528), (70, 19564), (73, 19594), (79, 19693), (87, 19858), (91, 19912), (92, 19963), (94, 19999), (98, 20044), (107, 20152), (109, 20167), (113, 20218), (114, 20221), (117, 20293), (119, 20329), (120, 20389), (121, 20395),

Gene: Bones_25 Start: 18781, Stop: 20838, Start Num: 2
Candidate Starts for Bones_25:
(Start: 2 @18781 has 231 MA's), (6, 18889), (7, 18913), (11, 18991), (20, 19132), (22, 19162), (25, 19204), (29, 19297), (42, 19555), (52, 19747), (63, 19891), (64, 19894), (70, 19930), (79, 20059), (87, 20224), (91, 20278), (92, 20329), (94, 20365), (98, 20410), (107, 20518), (109, 20533), (113, 20584), (114, 20587), (117, 20659), (119, 20695), (120, 20755), (121, 20761),

Gene: Briton15_27 Start: 19150, Stop: 21207, Start Num: 2
Candidate Starts for Briton15_27:
(Start: 2 @19150 has 231 MA's), (6, 19258), (7, 19282), (11, 19360), (20, 19501), (22, 19531), (25, 19573), (29, 19666), (42, 19924), (52, 20116), (63, 20260), (64, 20263), (70, 20299), (79, 20428), (87, 20593), (91, 20647), (92, 20698), (94, 20734), (98, 20779), (109, 20902), (113, 20953), (114, 20956), (117, 21028), (119, 21064), (120, 21124), (121, 21130),

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

Candidate Starts for Bruns_24:
(Start: 2 @18778 has 231 MA's), (6, 18886), (7, 18910), (11, 18988), (20, 19129), (22, 19159), (25, 19201), (42, 19552), (52, 19744), (63, 19888), (64, 19891), (70, 19927), (79, 20056), (87, 20221), (91, 20275), (92, 20326), (94, 20362), (98, 20407), (107, 20515), (109, 20530), (113, 20581), (114, 20584), (117, 20656), (119, 20692), (120, 20752), (121, 20758),

Gene: Burton_26 Start: 18976, Stop: 21033, Start Num: 2
Candidate Starts for Burton_26:
(Start: 2 @18976 has 231 MA's), (6, 19084), (7, 19108), (11, 19186), (20, 19327), (22, 19357), (25, 19399), (29, 19492), (42, 19750), (52, 19942), (63, 20086), (64, 20089), (70, 20125), (79, 20254), (87, 20419), (91, 20473), (92, 20524), (94, 20560), (109, 20728), (113, 20779), (114, 20782), (117, 20854), (119, 20890), (120, 20950), (121, 20956),

Gene: Buttons_26 Start: 19337, Stop: 21394, Start Num: 2
Candidate Starts for Buttons_26:
(Start: 2 @19337 has 231 MA's), (6, 19445), (7, 19469), (11, 19547), (20, 19688), (22, 19718), (25, 19760), (29, 19853), (42, 20111), (52, 20303), (63, 20447), (64, 20450), (70, 20486), (73, 20516), (79, 20615), (87, 20780), (91, 20834), (92, 20885), (94, 20921), (98, 20966), (107, 21074), (109, 21089), (113, 21140), (114, 21143), (117, 21215), (119, 21251), (120, 21311), (121, 21317),

Gene: Bxb1_23 Start: 18927, Stop: 20984, Start Num: 2
Candidate Starts for Bxb1_23:
(Start: 2 @18927 has 231 MA's), (6, 19035), (7, 19059), (11, 19137), (20, 19278), (22, 19308), (23, 19335), (25, 19350), (42, 19701), (52, 19893), (63, 20037), (64, 20040), (70, 20076), (73, 20106), (79, 20205), (87, 20370), (91, 20424), (92, 20475), (94, 20511), (98, 20556), (107, 20664), (109, 20679), (113, 20730), (114, 20733), (117, 20805), (119, 20841), (120, 20901), (121, 20907),

Gene: CactusRose_24 Start: 18776, Stop: 20833, Start Num: 2
Candidate Starts for CactusRose_24:
(Start: 2 @18776 has 231 MA's), (6, 18884), (7, 18908), (11, 18986), (20, 19127), (22, 19157), (25, 19199), (29, 19292), (42, 19550), (52, 19742), (63, 19886), (64, 19889), (70, 19925), (73, 19955), (74, 19964), (79, 20054), (87, 20219), (91, 20273), (92, 20324), (94, 20360), (95, 20387), (98, 20405), (109, 20528), (113, 20579), (114, 20582), (117, 20654), (119, 20690), (120, 20750), (121, 20756),

Gene: Carlyle_27 Start: 19656, Stop: 21713, Start Num: 2
Candidate Starts for Carlyle_27:
(Start: 2 @19656 has 231 MA's), (6, 19764), (7, 19788), (11, 19866), (20, 20007), (22, 20037), (25, 20079), (29, 20172), (42, 20430), (52, 20622), (63, 20766), (64, 20769), (70, 20805), (73, 20835), (79, 20934), (87, 21099), (91, 21153), (92, 21204), (94, 21240), (98, 21285), (107, 21393), (109, 21408), (113, 21459), (114, 21462), (117, 21534), (119, 21570), (120, 21630), (121, 21636),

Gene: CartmannCramer_25 Start: 20874, Stop: 22931, Start Num: 2
Candidate Starts for CartmannCramer_25:
(Start: 2 @20874 has 231 MA's), (6, 20982), (7, 21006), (11, 21084), (20, 21225), (22, 21255), (25, 21297), (29, 21390), (42, 21648), (52, 21840), (63, 21984), (64, 21987), (70, 22023), (73, 22053), (79, 22152), (87, 22317), (91, 22371), (92, 22422), (94, 22458), (98, 22503), (107, 22611), (109, 22626), (113, 22677), (114, 22680), (117, 22752), (119, 22788), (120, 22848), (121, 22854),

Gene: CatBus_27 Start: 20379, Stop: 22436, Start Num: 2
Candidate Starts for CatBus_27:
(Start: 2 @20379 has 231 MA's), (6, 20487), (7, 20511), (11, 20589), (20, 20730), (22, 20760), (23, 20787), (25, 20802), (29, 20895), (42, 21153), (52, 21345), (63, 21489), (64, 21492), (70, 21528), (73, 21558), (79, 21657), (87, 21822), (91, 21876), (92, 21927), (94, 21963), (98, 22008), (107, 22116),

(109, 22131), (113, 22182), (114, 22185), (117, 22257), (119, 22293), (120, 22353), (121, 22359),

Gene: Chanagan_24 Start: 18441, Stop: 20498, Start Num: 2
Candidate Starts for Chanagan_24:
(Start: 2 @18441 has 231 MA's), (6, 18549), (7, 18573), (11, 18651), (20, 18792), (22, 18822), (23, 18849), (25, 18864), (29, 18957), (35, 19104), (42, 19215), (52, 19407), (63, 19551), (64, 19554), (70, 19590), (79, 19719), (87, 19884), (91, 19938), (92, 19989), (94, 20025), (98, 20070), (107, 20178), (109, 20193), (113, 20244), (114, 20247), (117, 20319), (119, 20355), (120, 20415), (121, 20421),

Gene: ChristmasHams_26 Start: 18901, Stop: 20958, Start Num: 2
Candidate Starts for ChristmasHams_26:
(Start: 2 @18901 has 231 MA's), (6, 19009), (7, 19033), (11, 19111), (20, 19252), (22, 19282), (25, 19324), (29, 19417), (42, 19675), (52, 19867), (63, 20011), (64, 20014), (70, 20050), (73, 20080), (79, 20179), (87, 20344), (91, 20398), (92, 20449), (94, 20485), (98, 20530), (107, 20638), (109, 20653), (113, 20704), (114, 20707), (117, 20779), (119, 20815), (120, 20875), (121, 20881),

Gene: Ciao_25 Start: 18806, Stop: 20863, Start Num: 2
Candidate Starts for Ciao_25:
(Start: 2 @18806 has 231 MA's), (7, 18938), (11, 19016), (22, 19187), (25, 19229), (29, 19322), (42, 19580), (52, 19772), (63, 19916), (64, 19919), (70, 19955), (73, 19985), (79, 20084), (87, 20249), (91, 20303), (92, 20354), (94, 20390), (98, 20435), (107, 20543), (109, 20558), (113, 20609), (114, 20612), (117, 20684), (119, 20720), (120, 20780), (121, 20786),

Gene: ConceptII_27 Start: 19820, Stop: 21877, Start Num: 2
Candidate Starts for ConceptII_27:
(Start: 2 @19820 has 231 MA's), (6, 19928), (7, 19952), (11, 20030), (20, 20171), (22, 20201), (25, 20243), (42, 20594), (52, 20786), (63, 20930), (64, 20933), (70, 20969), (79, 21098), (87, 21263), (91, 21317), (92, 21368), (94, 21404), (98, 21449), (107, 21557), (109, 21572), (113, 21623), (114, 21626), (117, 21698), (119, 21734), (120, 21794), (121, 21800),

Gene: Corvo_26 Start: 19795, Stop: 21852, Start Num: 2
Candidate Starts for Corvo_26:
(Start: 2 @19795 has 231 MA's), (6, 19903), (7, 19927), (11, 20005), (20, 20146), (22, 20176), (25, 20218), (29, 20311), (42, 20569), (52, 20761), (63, 20905), (70, 20944), (73, 20974), (79, 21073), (87, 21238), (91, 21292), (92, 21343), (94, 21379), (98, 21424), (107, 21532), (109, 21547), (113, 21598), (114, 21601), (117, 21673), (119, 21709), (120, 21769), (121, 21775),

Gene: Cosmo_39 Start: 23712, Stop: 25307, Start Num: 8
Candidate Starts for Cosmo_39:
(Start: 8 @23712 has 5 MA's), (12, 23775), (13, 23781), (15, 23841), (17, 23877), (18, 23886), (21, 23913), (24, 23958), (31, 24081), (32, 24096), (33, 24117), (36, 24195), (37, 24198), (40, 24243), (41, 24264), (44, 24333), (45, 24363), (46, 24393), (50, 24429), (53, 24468), (54, 24474), (57, 24498), (58, 24525), (60, 24549), (61, 24561), (63, 24594), (64, 24597), (66, 24606), (68, 24621), (77, 24732), (78, 24750), (80, 24789), (84, 24870), (85, 24876), (86, 24879), (88, 24930), (90, 24948), (96, 25065), (97, 25074), (99, 25095), (101, 25125), (102, 25128), (115, 25248),

Gene: Crispicous1_24 Start: 18312, Stop: 20369, Start Num: 2
Candidate Starts for Crispicous1_24:
(Start: 2 @18312 has 231 MA's), (6, 18420), (7, 18444), (11, 18522), (20, 18663), (22, 18693), (23, 18720), (25, 18735), (29, 18828), (42, 19086), (52, 19278), (63, 19422), (64, 19425), (70, 19461), (73, 19491), (79, 19590), (87, 19755), (91, 19809), (92, 19860), (94, 19896), (98, 19941), (107, 20049), (109, 20064), (113, 20115), (114, 20118), (117, 20190), (119, 20226), (120, 20286), (121, 20292),

Gene: Cueylyss_25 Start: 19014, Stop: 21071, Start Num: 2
Candidate Starts for Cueylyss_25:
(Start: 2 @19014 has 231 MA's), (6, 19122), (7, 19146), (11, 19224), (20, 19365), (22, 19395), (25, 19437), (29, 19530), (42, 19788), (52, 19980), (63, 20124), (64, 20127), (70, 20163), (73, 20193), (74, 20202), (79, 20292), (87, 20457), (91, 20511), (92, 20562), (94, 20598), (98, 20643), (107, 20751), (109, 20766), (113, 20817), (114, 20820), (117, 20892), (119, 20928), (120, 20988), (121, 20994),

Gene: DD5_26 Start: 19562, Stop: 21619, Start Num: 2
Candidate Starts for DD5_26:
(Start: 2 @19562 has 231 MA's), (6, 19670), (7, 19694), (11, 19772), (20, 19913), (22, 19943), (25, 19985), (42, 20336), (52, 20528), (63, 20672), (64, 20675), (70, 20711), (73, 20741), (74, 20750), (79, 20840), (87, 21005), (91, 21059), (92, 21110), (94, 21146), (95, 21173), (98, 21191), (107, 21299), (109, 21314), (113, 21365), (114, 21368), (117, 21440), (119, 21476), (120, 21536), (121, 21542),

Gene: Dexes_26 Start: 19522, Stop: 21579, Start Num: 2
Candidate Starts for Dexes_26:
(Start: 2 @19522 has 231 MA's), (6, 19630), (7, 19654), (11, 19732), (20, 19873), (22, 19903), (25, 19945), (42, 20296), (52, 20488), (63, 20632), (70, 20671), (79, 20800), (87, 20965), (91, 21019), (92, 21070), (94, 21106), (98, 21151), (107, 21259), (109, 21274), (113, 21325), (114, 21328), (117, 21400), (119, 21436), (120, 21496), (121, 21502),

Gene: DirtDevil_27 Start: 20187, Stop: 22244, Start Num: 2
Candidate Starts for DirtDevil_27:
(Start: 2 @20187 has 231 MA's), (6, 20295), (7, 20319), (11, 20397), (20, 20538), (22, 20568), (23, 20595), (25, 20610), (29, 20703), (42, 20961), (52, 21153), (63, 21297), (64, 21300), (70, 21336), (73, 21366), (79, 21465), (87, 21630), (91, 21684), (92, 21735), (94, 21771), (98, 21816), (107, 21924), (109, 21939), (113, 21990), (114, 21993), (117, 22065), (119, 22101), (120, 22161), (121, 22167),

Gene: Doom_26 Start: 19652, Stop: 21709, Start Num: 2
Candidate Starts for Doom_26:
(Start: 2 @19652 has 231 MA's), (6, 19760), (7, 19784), (11, 19862), (20, 20003), (22, 20033), (23, 20060), (25, 20075), (29, 20168), (42, 20426), (52, 20618), (63, 20762), (64, 20765), (70, 20801), (73, 20831), (79, 20930), (91, 21149), (92, 21200), (94, 21236), (98, 21281), (107, 21389), (109, 21404), (113, 21455), (114, 21458), (117, 21530), (119, 21566), (120, 21626), (121, 21632),

Gene: DrFeelGood_24 Start: 19176, Stop: 21233, Start Num: 2
Candidate Starts for DrFeelGood_24:
(Start: 2 @19176 has 231 MA's), (6, 19284), (7, 19308), (11, 19386), (20, 19527), (22, 19557), (23, 19584), (25, 19599), (29, 19692), (42, 19950), (52, 20142), (63, 20286), (64, 20289), (70, 20325), (79, 20454), (87, 20619), (91, 20673), (92, 20724), (94, 20760), (98, 20805), (107, 20913), (109, 20928), (113, 20979), (114, 20982), (117, 21054), (119, 21090), (120, 21150), (121, 21156),

Gene: DreamCatcher_28 Start: 20269, Stop: 22326, Start Num: 2
Candidate Starts for DreamCatcher_28:
(Start: 2 @20269 has 231 MA's), (6, 20377), (7, 20401), (11, 20479), (20, 20620), (22, 20650), (23, 20677), (25, 20692), (29, 20785), (42, 21043), (52, 21235), (63, 21379), (64, 21382), (70, 21418), (73, 21448), (79, 21547), (87, 21712), (91, 21766), (92, 21817), (94, 21853), (98, 21898), (107, 22006), (109, 22021), (113, 22072), (114, 22075), (117, 22147), (119, 22183), (120, 22243), (121, 22249),

Gene: Dreamboat_26 Start: 18799, Stop: 20856, Start Num: 2
Candidate Starts for Dreamboat_26:
(Start: 2 @18799 has 231 MA's), (6, 18907), (7, 18931), (11, 19009), (22, 19180), (25, 19222), (42, 19573), (52, 19765), (63, 19909), (64, 19912), (70, 19948), (73, 19978), (79, 20077), (87, 20242), (91,

20296), (92, 20347), (94, 20383), (98, 20428), (107, 20536), (109, 20551), (113, 20602), (114, 20605), (117, 20677), (119, 20713), (120, 20773), (121, 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), (14, 20882), (16, 20936), (25, 21050), (26, 21053), (27, 21095), (30, 21185), (34, 21263), (43, 21449), (47, 21545), (48, 21560), (52, 21596), (55, 21629), (56, 21638), (71, 21782), (72, 21785), (76, 21851), (83, 21983), (89, 22064), (97, 22190), (104, 22274), (105, 22277), (106, 22295), (107, 22304), (109, 22319), (112, 22355), (113, 22370), (116, 22415), (118, 22469), (119, 22481), (122, 22571), (124, 22577), (125, 22616),

Gene: Dulcie_24 Start: 18496, Stop: 20553, Start Num: 2
Candidate Starts for Dulcie_24:
(Start: 2 @18496 has 231 MA's), (6, 18604), (7, 18628), (11, 18706), (20, 18847), (22, 18877), (23, 18904), (25, 18919), (42, 19270), (52, 19462), (63, 19606), (64, 19609), (70, 19645), (79, 19774), (87, 19939), (91, 19993), (92, 20044), (94, 20080), (98, 20125), (107, 20233), (109, 20248), (113, 20299), (114, 20302), (117, 20374), (119, 20410), (120, 20470), (121, 20476),

Gene: Dussy_26 Start: 19083, Stop: 21140, Start Num: 2
Candidate Starts for Dussy_26:
(Start: 2 @19083 has 231 MA's), (6, 19191), (7, 19215), (11, 19293), (20, 19434), (22, 19464), (25, 19506), (29, 19599), (42, 19857), (52, 20049), (63, 20193), (64, 20196), (65, 20202), (70, 20232), (73, 20262), (79, 20361), (87, 20526), (91, 20580), (92, 20631), (94, 20667), (98, 20712), (107, 20820), (109, 20835), (113, 20886), (114, 20889), (117, 20961), (119, 20997), (120, 21057), (121, 21063),

Gene: Dynamix_26 Start: 18900, Stop: 20957, Start Num: 2
Candidate Starts for Dynamix_26:
(Start: 2 @18900 has 231 MA's), (6, 19008), (7, 19032), (11, 19110), (20, 19251), (22, 19281), (23, 19308), (25, 19323), (29, 19416), (42, 19674), (52, 19866), (63, 20010), (64, 20013), (70, 20049), (79, 20178), (87, 20343), (91, 20397), (92, 20448), (94, 20484), (98, 20529), (109, 20652), (113, 20703), (114, 20706), (117, 20778), (119, 20814), (120, 20874), (121, 20880),

Gene: Edtherson_26 Start: 19647, Stop: 21704, Start Num: 2
Candidate Starts for Edtherson_26:
(Start: 2 @19647 has 231 MA's), (6, 19755), (7, 19779), (11, 19857), (20, 19998), (22, 20028), (25, 20070), (29, 20163), (42, 20421), (52, 20613), (63, 20757), (64, 20760), (70, 20796), (73, 20826), (79, 20925), (87, 21090), (91, 21144), (92, 21195), (94, 21231), (98, 21276), (107, 21384), (109, 21399), (113, 21450), (114, 21453), (117, 21525), (119, 21561), (120, 21621), (121, 21627),

Gene: EniyanLRS_36 Start: 23410, Stop: 25005, Start Num: 8
Candidate Starts for EniyanLRS_36:
(Start: 8 @23410 has 5 MA's), (12, 23473), (13, 23479), (15, 23539), (17, 23575), (18, 23584), (21, 23611), (24, 23656), (31, 23779), (32, 23794), (33, 23815), (36, 23893), (37, 23896), (40, 23941), (41, 23962), (44, 24031), (45, 24061), (46, 24091), (53, 24166), (54, 24172), (57, 24196), (58, 24223), (60, 24247), (61, 24259), (63, 24292), (64, 24295), (66, 24304), (68, 24319), (77, 24430), (78, 24448), (80, 24487), (81, 24493), (84, 24568), (85, 24574), (86, 24577), (88, 24628), (90, 24646), (96, 24763), (97, 24772), (99, 24793), (101, 24823), (102, 24826), (115, 24946),

Gene: EnzoK_26 Start: 19072, Stop: 21129, Start Num: 2
Candidate Starts for EnzoK_26:
(Start: 2 @19072 has 231 MA's), (6, 19180), (7, 19204), (11, 19282), (20, 19423), (22, 19453), (25, 19495), (42, 19846), (52, 20038), (63, 20182), (64, 20185), (70, 20221), (73, 20251), (79, 20350), (87,

20515), (91, 20569), (92, 20620), (94, 20656), (95, 20683), (98, 20701), (107, 20809), (109, 20824), (113, 20875), (114, 20878), (117, 20950), (119, 20986), (120, 21046), (121, 21052),

Gene: Espresso_25 Start: 18944, Stop: 21001, Start Num: 2
Candidate Starts for Espresso_25:
(Start: 2 @18944 has 231 MA's), (6, 19052), (7, 19076), (11, 19154), (23, 19352), (25, 19367), (29, 19460), (42, 19718), (52, 19910), (63, 20054), (64, 20057), (70, 20093), (73, 20123), (79, 20222), (87, 20387), (91, 20441), (92, 20492), (94, 20528), (98, 20573), (107, 20681), (109, 20696), (113, 20747), (114, 20750), (117, 20822), (119, 20858), (120, 20918), (121, 20924),

Gene: Euphoria_25 Start: 18832, Stop: 20889, Start Num: 2
Candidate Starts for Euphoria_25:
(Start: 2 @18832 has 231 MA's), (6, 18940), (7, 18964), (11, 19042), (20, 19183), (22, 19213), (25, 19255), (42, 19606), (52, 19798), (63, 19942), (64, 19945), (70, 19981), (73, 20011), (74, 20020), (79, 20110), (87, 20275), (91, 20329), (92, 20380), (94, 20416), (98, 20461), (107, 20569), (109, 20584), (113, 20635), (114, 20638), (117, 20710), (119, 20746), (120, 20806), (121, 20812),

Gene: Eyeball_25 Start: 18659, Stop: 20716, Start Num: 2
Candidate Starts for Eyeball_25:
(Start: 2 @18659 has 231 MA's), (6, 18767), (7, 18791), (11, 18869), (20, 19010), (22, 19040), (23, 19067), (25, 19082), (29, 19175), (42, 19433), (52, 19625), (63, 19769), (64, 19772), (70, 19808), (79, 19937), (87, 20102), (91, 20156), (92, 20207), (94, 20243), (95, 20270), (98, 20288), (107, 20396), (109, 20411), (113, 20462), (114, 20465), (117, 20537), (119, 20573), (120, 20633), (121, 20639),

Gene: Fajezeel_27 Start: 19169, Stop: 21226, Start Num: 2
Candidate Starts for Fajezeel_27:
(Start: 2 @19169 has 231 MA's), (6, 19277), (7, 19301), (11, 19379), (20, 19520), (22, 19550), (25, 19592), (29, 19685), (42, 19943), (52, 20135), (63, 20279), (64, 20282), (70, 20318), (73, 20348), (79, 20447), (87, 20612), (91, 20666), (92, 20717), (94, 20753), (98, 20798), (107, 20906), (109, 20921), (113, 20972), (114, 20975), (117, 21047), (119, 21083), (120, 21143), (121, 21149),

Gene: Fascinus_24 Start: 18700, Stop: 20757, Start Num: 2
Candidate Starts for Fascinus_24:
(Start: 2 @18700 has 231 MA's), (6, 18808), (7, 18832), (11, 18910), (20, 19051), (22, 19081), (25, 19123), (29, 19216), (42, 19474), (52, 19666), (63, 19810), (64, 19813), (70, 19849), (79, 19978), (87, 20143), (91, 20197), (92, 20248), (94, 20284), (98, 20329), (107, 20437), (109, 20452), (113, 20503), (114, 20506), (117, 20578), (119, 20614), (120, 20674), (121, 20680),

Gene: Fenn_26 Start: 20534, Stop: 22591, Start Num: 2
Candidate Starts for Fenn_26:
(Start: 2 @20534 has 231 MA's), (6, 20642), (7, 20666), (11, 20744), (20, 20885), (22, 20915), (25, 20957), (29, 21050), (42, 21308), (52, 21500), (63, 21644), (64, 21647), (70, 21683), (73, 21713), (79, 21812), (87, 21977), (91, 22031), (92, 22082), (94, 22118), (98, 22163), (107, 22271), (109, 22286), (113, 22337), (114, 22340), (117, 22412), (119, 22448), (120, 22508), (121, 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), (Start: 8 @21077 has 5 MA's), (9, 21116), (10, 21143), (11, 21146), (14, 21188), (19, 21278), (25, 21356), (26, 21359), (38, 21650), (42, 21710), (43, 21755), (47, 21851), (51, 21899), (52, 21902), (53, 21917), (55, 21935), (59, 21977), (62, 22034), (67, 22064), (79, 22214), (82, 22259), (83, 22286), (92, 22415), (97, 22493), (100, 22538), (103, 22553), (104, 22577), (108, 22613), (109, 22622), (116, 22718), (118, 22772), (119, 22784), (122, 22874), (123, 22877), (125, 22919),

Gene: Forsytheast_24 Start: 18858, Stop: 20915, Start Num: 2
Candidate Starts for Forsytheast_24:
(Start: 2 @18858 has 231 MA's), (6, 18966), (7, 18990), (11, 19068), (20, 19209), (22, 19239), (25, 19281), (42, 19632), (52, 19824), (63, 19968), (64, 19971), (70, 20007), (79, 20136), (87, 20301), (91, 20355), (92, 20406), (94, 20442), (98, 20487), (109, 20610), (113, 20661), (114, 20664), (117, 20736), (119, 20772), (120, 20832), (121, 20838),

Gene: Francis47_25 Start: 19406, Stop: 21463, Start Num: 2
Candidate Starts for Francis47_25:
(Start: 2 @19406 has 231 MA's), (6, 19514), (7, 19538), (11, 19616), (20, 19757), (22, 19787), (25, 19829), (29, 19922), (42, 20180), (52, 20372), (63, 20516), (64, 20519), (70, 20555), (79, 20684), (87, 20849), (91, 20903), (92, 20954), (94, 20990), (98, 21035), (109, 21158), (113, 21209), (114, 21212), (117, 21284), (119, 21320), (120, 21380), (121, 21386),

Gene: Froghopper_26 Start: 18821, Stop: 20878, Start Num: 2
Candidate Starts for Froghopper_26:
(Start: 2 @18821 has 231 MA's), (6, 18929), (7, 18953), (11, 19031), (20, 19172), (22, 19202), (25, 19244), (42, 19595), (52, 19787), (63, 19931), (64, 19934), (70, 19970), (79, 20099), (87, 20264), (91, 20318), (92, 20369), (94, 20405), (98, 20450), (107, 20558), (109, 20573), (113, 20624), (114, 20627), (117, 20699), (119, 20735), (120, 20795), (121, 20801),

Gene: Fushigi_26 Start: 19278, Stop: 21335, Start Num: 2
Candidate Starts for Fushigi_26:
(Start: 2 @19278 has 231 MA's), (6, 19386), (7, 19410), (11, 19488), (20, 19629), (22, 19659), (25, 19701), (29, 19794), (42, 20052), (52, 20244), (63, 20388), (64, 20391), (70, 20427), (79, 20556), (87, 20721), (91, 20775), (92, 20826), (94, 20862), (98, 20907), (109, 21030), (113, 21081), (114, 21084), (117, 21156), (119, 21192), (120, 21252), (121, 21258),

Gene: GMonster_24 Start: 18218, Stop: 20275, Start Num: 2
Candidate Starts for GMonster_24:
(Start: 2 @18218 has 231 MA's), (6, 18326), (7, 18350), (11, 18428), (20, 18569), (22, 18599), (25, 18641), (42, 18992), (52, 19184), (63, 19328), (64, 19331), (70, 19367), (73, 19397), (74, 19406), (79, 19496), (87, 19661), (91, 19715), (92, 19766), (94, 19802), (98, 19847), (107, 19955), (109, 19970), (113, 20021), (114, 20024), (117, 20096), (119, 20132), (120, 20192), (121, 20198),

Gene: Gachnar_25 Start: 18880, Stop: 20937, Start Num: 2
Candidate Starts for Gachnar_25:
(Start: 2 @18880 has 231 MA's), (6, 18988), (7, 19012), (11, 19090), (20, 19231), (22, 19261), (25, 19303), (29, 19396), (35, 19543), (42, 19654), (52, 19846), (63, 19990), (64, 19993), (70, 20029), (73, 20059), (79, 20158), (87, 20323), (91, 20377), (92, 20428), (94, 20464), (98, 20509), (107, 20617), (109, 20632), (113, 20683), (114, 20686), (117, 20758), (119, 20794), (120, 20854), (121, 20860),

Gene: GageAP_27 Start: 19570, Stop: 21627, Start Num: 2
Candidate Starts for GageAP_27:
(Start: 2 @19570 has 231 MA's), (6, 19678), (7, 19702), (11, 19780), (20, 19921), (22, 19951), (25, 19993), (42, 20344), (52, 20536), (63, 20680), (64, 20683), (70, 20719), (73, 20749), (79, 20848), (87, 21013), (91, 21067), (92, 21118), (94, 21154), (98, 21199), (107, 21307), (109, 21322), (113, 21373), (114, 21376), (117, 21448), (119, 21484), (120, 21544), (121, 21550),

Gene: Gandalf20_26 Start: 19697, Stop: 21754, Start Num: 2
Candidate Starts for Gandalf20_26:

(Start: 2 @19697 has 231 MA's), (6, 19805), (7, 19829), (11, 19907), (20, 20048), (22, 20078), (25, 20120), (29, 20213), (35, 20360), (42, 20471), (52, 20663), (63, 20807), (64, 20810), (70, 20846), (73, 20876), (79, 20975), (87, 21140), (91, 21194), (92, 21245), (94, 21281), (98, 21326), (109, 21449), (113, 21500), (114, 21503), (117, 21575), (119, 21611), (120, 21671), (121, 21677),

Gene: Gompeii16_25 Start: 19354, Stop: 21411, Start Num: 2
Candidate Starts for Gompeii16_25:
(Start: 2 @19354 has 231 MA's), (6, 19462), (7, 19486), (11, 19564), (20, 19705), (22, 19735), (25, 19777), (29, 19870), (42, 20128), (52, 20320), (63, 20464), (64, 20467), (70, 20503), (73, 20533), (79, 20632), (91, 20851), (92, 20902), (94, 20938), (98, 20983), (107, 21091), (109, 21106), (113, 21157), (114, 21160), (119, 21268), (120, 21328), (121, 21334),

Gene: Graduation_27 Start: 19601, Stop: 21658, Start Num: 2
Candidate Starts for Graduation_27:
(Start: 2 @19601 has 231 MA's), (7, 19733), (11, 19811), (20, 19952), (22, 19982), (25, 20024), (29, 20117), (42, 20375), (52, 20567), (63, 20711), (64, 20714), (70, 20750), (73, 20780), (74, 20789), (79, 20879), (87, 21044), (91, 21098), (92, 21149), (94, 21185), (98, 21230), (107, 21338), (109, 21353), (113, 21404), (114, 21407), (117, 21479), (119, 21515), (120, 21575), (121, 21581),

Gene: GrecoEtereo_27 Start: 19641, Stop: 21698, Start Num: 2
Candidate Starts for GrecoEtereo_27:
(Start: 2 @19641 has 231 MA's), (6, 19749), (7, 19773), (11, 19851), (20, 19992), (22, 20022), (25, 20064), (29, 20157), (42, 20415), (52, 20607), (63, 20751), (64, 20754), (70, 20790), (79, 20919), (87, 21084), (91, 21138), (92, 21189), (94, 21225), (98, 21270), (109, 21393), (113, 21444), (114, 21447), (117, 21519), (119, 21555), (120, 21615), (121, 21621),

Gene: Greg_27 Start: 19169, Stop: 21226, Start Num: 2
Candidate Starts for Greg_27:
(Start: 2 @19169 has 231 MA's), (6, 19277), (7, 19301), (11, 19379), (20, 19520), (22, 19550), (25, 19592), (29, 19685), (42, 19943), (52, 20135), (63, 20279), (64, 20282), (70, 20318), (73, 20348), (79, 20447), (87, 20612), (91, 20666), (92, 20717), (94, 20753), (98, 20798), (107, 20906), (109, 20921), (113, 20972), (114, 20975), (117, 21047), (119, 21083), (120, 21143), (121, 21149),

Gene: GroundGoblin_27 Start: 20187, Stop: 22244, Start Num: 2
Candidate Starts for GroundGoblin_27:
(Start: 2 @20187 has 231 MA's), (6, 20295), (7, 20319), (11, 20397), (20, 20538), (22, 20568), (23, 20595), (25, 20610), (29, 20703), (42, 20961), (52, 21153), (63, 21297), (64, 21300), (70, 21336), (73, 21366), (79, 21465), (87, 21630), (91, 21684), (92, 21735), (94, 21771), (98, 21816), (107, 21924), (109, 21939), (113, 21990), (114, 21993), (117, 22065), (119, 22101), (120, 22161), (121, 22167),

Gene: Gwendoluna_27 Start: 20732, Stop: 22789, Start Num: 2
Candidate Starts for Gwendoluna_27:
(Start: 2 @20732 has 231 MA's), (6, 20840), (7, 20864), (11, 20942), (20, 21083), (22, 21113), (25, 21155), (42, 21506), (52, 21698), (63, 21842), (64, 21845), (70, 21881), (73, 21911), (79, 22010), (87, 22175), (91, 22229), (92, 22280), (94, 22316), (98, 22361), (107, 22469), (109, 22484), (113, 22535), (114, 22538), (117, 22610), (119, 22646), (120, 22706), (121, 22712),

Gene: Gyzlar_27 Start: 20095, Stop: 22152, Start Num: 2
Candidate Starts for Gyzlar_27:
(Start: 2 @20095 has 231 MA's), (6, 20203), (7, 20227), (11, 20305), (20, 20446), (22, 20476), (25, 20518), (29, 20611), (42, 20869), (52, 21061), (63, 21205), (64, 21208), (70, 21244), (79, 21373), (87, 21538), (91, 21592), (92, 21643), (94, 21679), (98, 21724), (107, 21832), (109, 21847), (113, 21898), (114, 21901), (117, 21973), (119, 22009), (120, 22069), (121, 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), (14, 20986), (16, 21040), (25, 21154), (26, 21157), (27, 21199), (28, 21211), (30, 21289), (34, 21367), (42, 21508), (47, 21649), (49, 21670), (52, 21700), (55, 21733), (56, 21742), (69, 21877), (75, 21925), (80, 22042), (89, 22168), (92, 22216), (97, 22294), (104, 22378), (105, 22381), (109, 22423), (111, 22444), (113, 22474), (116, 22519), (118, 22573), (119, 22585), (122, 22675), (123, 22678), (124, 22681), (125, 22720),

Gene: Hami1_27 Start: 19241, Stop: 21298, Start Num: 2
Candidate Starts for Hami1_27:
(Start: 2 @19241 has 231 MA's), (6, 19349), (7, 19373), (11, 19451), (20, 19592), (22, 19622), (25, 19664), (29, 19757), (35, 19904), (42, 20015), (52, 20207), (63, 20351), (64, 20354), (70, 20390), (73, 20420), (79, 20519), (87, 20684), (91, 20738), (92, 20789), (94, 20825), (98, 20870), (107, 20978), (109, 20993), (113, 21044), (114, 21047), (117, 21119), (119, 21155), (120, 21215), (121, 21221),

Gene: HanShotFirst_25 Start: 18775, Stop: 20832, Start Num: 2
Candidate Starts for HanShotFirst_25:
(Start: 2 @18775 has 231 MA's), (6, 18883), (7, 18907), (11, 18985), (20, 19126), (22, 19156), (25, 19198), (29, 19291), (42, 19549), (52, 19741), (63, 19885), (64, 19888), (70, 19924), (79, 20053), (87, 20218), (91, 20272), (92, 20323), (94, 20359), (98, 20404), (109, 20527), (113, 20578), (114, 20581), (117, 20653), (119, 20689), (120, 20749), (121, 20755),

Gene: HarryOW_26 Start: 19229, Stop: 21286, Start Num: 2
Candidate Starts for HarryOW_26:
(Start: 2 @19229 has 231 MA's), (6, 19337), (7, 19361), (11, 19439), (20, 19580), (22, 19610), (23, 19637), (25, 19652), (29, 19745), (42, 20003), (52, 20195), (63, 20339), (64, 20342), (70, 20378), (79, 20507), (87, 20672), (91, 20726), (92, 20777), (94, 20813), (98, 20858), (109, 20981), (113, 21032), (114, 21035), (117, 21107), (119, 21143), (120, 21203), (121, 21209),

Gene: Hermia_28 Start: 20379, Stop: 22436, Start Num: 2
Candidate Starts for Hermia_28:
(Start: 2 @20379 has 231 MA's), (6, 20487), (7, 20511), (11, 20589), (20, 20730), (22, 20760), (23, 20787), (25, 20802), (29, 20895), (42, 21153), (52, 21345), (63, 21489), (64, 21492), (70, 21528), (73, 21558), (79, 21657), (87, 21822), (91, 21876), (92, 21927), (94, 21963), (98, 22008), (107, 22116), (109, 22131), (113, 22182), (114, 22185), (117, 22257), (119, 22293), (120, 22353), (121, 22359),

Gene: HermioneGrange_25 Start: 18803, Stop: 20860, Start Num: 2
Candidate Starts for HermioneGrange_25:
(Start: 2 @18803 has 231 MA's), (6, 18911), (7, 18935), (11, 19013), (20, 19154), (22, 19184), (23, 19211), (25, 19226), (29, 19319), (42, 19577), (52, 19769), (63, 19913), (64, 19916), (70, 19952), (73, 19982), (79, 20081), (87, 20246), (91, 20300), (92, 20351), (94, 20387), (98, 20432), (107, 20540), (109, 20555), (113, 20606), (114, 20609), (117, 20681), (119, 20717), (120, 20777), (121, 20783),

Gene: Homines_25 Start: 19128, Stop: 21185, Start Num: 2
Candidate Starts for Homines_25:
(Start: 2 @19128 has 231 MA's), (6, 19236), (7, 19260), (11, 19338), (22, 19509), (25, 19551), (29, 19644), (42, 19902), (52, 20094), (63, 20238), (64, 20241), (70, 20277), (79, 20406), (87, 20571), (91, 20625), (92, 20676), (94, 20712), (98, 20757), (107, 20865), (109, 20880), (113, 20931), (114, 20934), (117, 21006), (119, 21042), (120, 21102), (121, 21108),

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

Candidate Starts for Hope4ever_25:
(Start: 2 @19266 has 231 MA's), (6, 19374), (7, 19398), (11, 19476), (20, 19617), (22, 19647), (25, 19689), (42, 20040), (52, 20232), (63, 20376), (64, 20379), (70, 20415), (79, 20544), (87, 20709), (91, 20763), (92, 20814), (94, 20850), (98, 20895), (107, 21003), (109, 21018), (113, 21069), (114, 21072), (117, 21144), (119, 21180), (120, 21240), (121, 21246),

Gene: ILeeKay_27 Start: 19030, Stop: 21087, Start Num: 2
Candidate Starts for ILeeKay_27:
(Start: 2 @19030 has 231 MA's), (6, 19138), (7, 19162), (11, 19240), (22, 19411), (25, 19453), (29, 19546), (42, 19804), (52, 19996), (63, 20140), (64, 20143), (70, 20179), (73, 20209), (74, 20218), (79, 20308), (87, 20473), (91, 20527), (92, 20578), (94, 20614), (95, 20641), (98, 20659), (109, 20782), (113, 20833), (114, 20836), (117, 20908), (119, 20944), (120, 21004), (121, 21010),

Gene: Ichabod_26 Start: 19054, Stop: 21111, Start Num: 2
Candidate Starts for Ichabod_26:
(Start: 2 @19054 has 231 MA's), (6, 19162), (7, 19186), (11, 19264), (20, 19405), (22, 19435), (25, 19477), (39, 19762), (42, 19828), (52, 20020), (63, 20164), (64, 20167), (70, 20203), (73, 20233), (74, 20242), (79, 20332), (87, 20497), (91, 20551), (92, 20602), (94, 20638), (95, 20665), (98, 20683), (107, 20791), (109, 20806), (113, 20857), (114, 20860), (117, 20932), (119, 20968), (120, 21028), (121, 21034),

Gene: IgnatiusPatJac_24 Start: 18856, Stop: 20913, Start Num: 2
Candidate Starts for IgnatiusPatJac_24:
(Start: 2 @18856 has 231 MA's), (6, 18964), (7, 18988), (11, 19066), (20, 19207), (22, 19237), (25, 19279), (29, 19372), (42, 19630), (52, 19822), (63, 19966), (64, 19969), (70, 20005), (73, 20035), (74, 20044), (79, 20134), (87, 20299), (91, 20353), (92, 20404), (94, 20440), (98, 20485), (107, 20593), (109, 20608), (113, 20659), (114, 20662), (117, 20734), (119, 20770), (120, 20830), (121, 20836),

Gene: Inyanga_24 Start: 18633, Stop: 20690, Start Num: 2
Candidate Starts for Inyanga_24:
(Start: 2 @18633 has 231 MA's), (6, 18741), (7, 18765), (11, 18843), (20, 18984), (22, 19014), (25, 19056), (29, 19149), (42, 19407), (52, 19599), (63, 19743), (64, 19746), (70, 19782), (73, 19812), (79, 19911), (87, 20076), (91, 20130), (92, 20181), (94, 20217), (98, 20262), (107, 20370), (109, 20385), (113, 20436), (114, 20439), (117, 20511), (119, 20547), (120, 20607), (121, 20613),

Gene: Iqorha_24 Start: 18632, Stop: 20689, Start Num: 2
Candidate Starts for Iqorha_24:
(Start: 2 @18632 has 231 MA's), (6, 18740), (7, 18764), (11, 18842), (20, 18983), (22, 19013), (25, 19055), (29, 19148), (42, 19406), (52, 19598), (63, 19742), (64, 19745), (70, 19781), (73, 19811), (79, 19910), (87, 20075), (91, 20129), (92, 20180), (94, 20216), (98, 20261), (107, 20369), (109, 20384), (113, 20435), (114, 20438), (117, 20510), (119, 20546), (120, 20606), (121, 20612),

Gene: JC27_27 Start: 19766, Stop: 21823, Start Num: 2
Candidate Starts for JC27_27:
(Start: 2 @19766 has 231 MA's), (7, 19898), (11, 19976), (22, 20147), (23, 20174), (25, 20189), (29, 20282), (42, 20540), (52, 20732), (63, 20876), (64, 20879), (70, 20915), (73, 20945), (74, 20954), (79, 21044), (87, 21209), (91, 21263), (92, 21314), (94, 21350), (98, 21395), (109, 21518), (113, 21569), (114, 21572), (117, 21644), (119, 21680), (120, 21740), (121, 21746),

Gene: JackSparrow_26 Start: 19206, Stop: 21263, Start Num: 2
Candidate Starts for JackSparrow_26:
(Start: 2 @19206 has 231 MA's), (6, 19314), (7, 19338), (11, 19416), (20, 19557), (22, 19587), (25, 19629), (29, 19722), (42, 19980), (52, 20172), (63, 20316), (64, 20319), (70, 20355), (73, 20385), (79,

20484), (87, 20649), (91, 20703), (92, 20754), (94, 20790), (98, 20835), (107, 20943), (109, 20958), (113, 21009), (114, 21012), (117, 21084), (119, 21120), (120, 21180), (121, 21186),

Gene: Jasper_26 Start: 18707, Stop: 20764, Start Num: 2
Candidate Starts for Jasper_26:
(Start: 2 @18707 has 231 MA's), (6, 18815), (7, 18839), (11, 18917), (20, 19058), (22, 19088), (25, 19130), (29, 19223), (42, 19481), (52, 19673), (63, 19817), (64, 19820), (70, 19856), (79, 19985), (87, 20150), (91, 20204), (92, 20255), (94, 20291), (98, 20336), (109, 20459), (113, 20510), (114, 20513), (117, 20585), (119, 20621), (120, 20681), (121, 20687),

Gene: Jerm2_26 Start: 19075, Stop: 21132, Start Num: 2
Candidate Starts for Jerm2_26:
(Start: 2 @19075 has 231 MA's), (6, 19183), (7, 19207), (11, 19285), (20, 19426), (22, 19456), (25, 19498), (29, 19591), (42, 19849), (52, 20041), (63, 20185), (64, 20188), (70, 20224), (73, 20254), (79, 20353), (87, 20518), (91, 20572), (92, 20623), (94, 20659), (98, 20704), (107, 20812), (109, 20827), (113, 20878), (114, 20881), (117, 20953), (119, 20989), (120, 21049), (121, 21055),

Gene: Jorgensen_25 Start: 18761, Stop: 20818, Start Num: 2
Candidate Starts for Jorgensen_25:
(Start: 2 @18761 has 231 MA's), (6, 18869), (7, 18893), (11, 18971), (20, 19112), (22, 19142), (25, 19184), (29, 19277), (42, 19535), (52, 19727), (63, 19871), (64, 19874), (70, 19910), (79, 20039), (87, 20204), (91, 20258), (92, 20309), (94, 20345), (98, 20390), (107, 20498), (109, 20513), (113, 20564), (114, 20567), (117, 20639), (119, 20675), (120, 20735), (121, 20741),

Gene: JuliaChild_27 Start: 19327, Stop: 21384, Start Num: 2
Candidate Starts for JuliaChild_27:
(Start: 2 @19327 has 231 MA's), (6, 19435), (7, 19459), (11, 19537), (22, 19708), (23, 19735), (25, 19750), (29, 19843), (42, 20101), (52, 20293), (63, 20437), (64, 20440), (70, 20476), (76, 20548), (79, 20605), (87, 20770), (91, 20824), (92, 20875), (94, 20911), (95, 20938), (98, 20956), (107, 21064), (109, 21079), (113, 21130), (114, 21133), (117, 21205), (119, 21241), (120, 21301), (121, 21307),

Gene: KBG_26 Start: 19760, Stop: 21817, Start Num: 2
Candidate Starts for KBG_26:
(Start: 2 @19760 has 231 MA's), (6, 19868), (7, 19892), (11, 19970), (20, 20111), (22, 20141), (23, 20168), (25, 20183), (42, 20534), (52, 20726), (63, 20870), (64, 20873), (70, 20909), (79, 21038), (87, 21203), (91, 21257), (92, 21308), (94, 21344), (98, 21389), (109, 21512), (113, 21563), (114, 21566), (117, 21638), (119, 21674), (120, 21734), (121, 21740),

Gene: KSSJEB_25 Start: 18654, Stop: 20711, Start Num: 2
Candidate Starts for KSSJEB_25:
(Start: 2 @18654 has 231 MA's), (6, 18762), (7, 18786), (11, 18864), (20, 19005), (22, 19035), (23, 19062), (25, 19077), (29, 19170), (42, 19428), (52, 19620), (63, 19764), (64, 19767), (70, 19803), (79, 19932), (87, 20097), (91, 20151), (92, 20202), (94, 20238), (98, 20283), (107, 20391), (109, 20406), (113, 20457), (114, 20460), (117, 20532), (119, 20568), (120, 20628), (121, 20634),

Gene: Kanely_26 Start: 19442, Stop: 21499, Start Num: 2
Candidate Starts for Kanely_26:
(Start: 2 @19442 has 231 MA's), (7, 19574), (11, 19652), (20, 19793), (22, 19823), (23, 19850), (25, 19865), (42, 20216), (52, 20408), (63, 20552), (64, 20555), (70, 20591), (79, 20720), (91, 20939), (92, 20990), (94, 21026), (98, 21071), (107, 21179), (109, 21194), (113, 21245), (114, 21248), (117, 21320), (119, 21356), (120, 21416), (121, 21422),

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

Candidate Starts for Kenmech_28:
(Start: 2 @20170 has 231 MA's), (6, 20278), (7, 20302), (11, 20380), (20, 20521), (22, 20551), (25, 20593), (29, 20686), (42, 20944), (52, 21136), (63, 21280), (64, 21283), (65, 21289), (70, 21319), (73, 21349), (79, 21448), (87, 21613), (91, 21667), (92, 21718), (94, 21754), (98, 21799), (107, 21907), (109, 21922), (113, 21973), (114, 21976), (117, 22048), (119, 22084), (120, 22144), (121, 22150),

Gene: KikiBouba_28 Start: 20188, Stop: 22245, Start Num: 2
Candidate Starts for KikiBouba_28:
(Start: 2 @20188 has 231 MA's), (6, 20296), (7, 20320), (11, 20398), (20, 20539), (22, 20569), (23, 20596), (25, 20611), (29, 20704), (42, 20962), (52, 21154), (63, 21298), (64, 21301), (70, 21337), (73, 21367), (79, 21466), (87, 21631), (91, 21685), (92, 21736), (94, 21772), (98, 21817), (107, 21925), (109, 21940), (113, 21991), (114, 21994), (117, 22066), (119, 22102), (120, 22162), (121, 22168),

Gene: Killigrew_23 Start: 18354, Stop: 20411, Start Num: 2
Candidate Starts for Killigrew_23:
(Start: 2 @18354 has 231 MA's), (6, 18462), (7, 18486), (11, 18564), (20, 18705), (22, 18735), (25, 18777), (29, 18870), (42, 19128), (52, 19320), (63, 19464), (64, 19467), (70, 19503), (79, 19632), (87, 19797), (91, 19851), (92, 19902), (94, 19938), (98, 19983), (107, 20091), (109, 20106), (113, 20157), (114, 20160), (117, 20232), (119, 20268), (120, 20328), (121, 20334),

Gene: Kugel_26 Start: 19015, Stop: 21072, Start Num: 2
Candidate Starts for Kugel_26:
(Start: 2 @19015 has 231 MA's), (7, 19147), (11, 19225), (20, 19366), (22, 19396), (23, 19423), (25, 19438), (29, 19531), (42, 19789), (52, 19981), (63, 20125), (64, 20128), (70, 20164), (79, 20293), (87, 20458), (91, 20512), (92, 20563), (94, 20599), (107, 20752), (109, 20767), (113, 20818), (114, 20821), (117, 20893), (119, 20929), (120, 20989), (121, 20995),

Gene: KyMonks1A_27 Start: 19181, Stop: 21238, Start Num: 2
Candidate Starts for KyMonks1A_27:
(Start: 2 @19181 has 231 MA's), (6, 19289), (7, 19313), (11, 19391), (20, 19532), (22, 19562), (23, 19589), (25, 19604), (29, 19697), (42, 19955), (52, 20147), (63, 20291), (64, 20294), (70, 20330), (79, 20459), (87, 20624), (91, 20678), (92, 20729), (94, 20765), (98, 20810), (107, 20918), (109, 20933), (113, 20984), (114, 20987), (117, 21059), (119, 21095), (120, 21155), (121, 21161),

Gene: Kykar_23 Start: 18550, Stop: 20607, Start Num: 2
Candidate Starts for Kykar_23:
(Start: 2 @18550 has 231 MA's), (6, 18658), (7, 18682), (11, 18760), (20, 18901), (22, 18931), (23, 18958), (25, 18973), (29, 19066), (42, 19324), (52, 19516), (63, 19660), (64, 19663), (70, 19699), (73, 19729), (79, 19828), (87, 19993), (91, 20047), (92, 20098), (98, 20179), (109, 20302), (113, 20353), (114, 20356), (117, 20428), (119, 20464), (120, 20524), (121, 20530),

Gene: Lamina13_25 Start: 18452, Stop: 20509, Start Num: 2
Candidate Starts for Lamina13_25:
(Start: 2 @18452 has 231 MA's), (6, 18560), (7, 18584), (11, 18662), (20, 18803), (22, 18833), (25, 18875), (42, 19226), (52, 19418), (63, 19562), (64, 19565), (70, 19601), (73, 19631), (79, 19730), (87, 19895), (91, 19949), (92, 20000), (94, 20036), (95, 20063), (98, 20081), (107, 20189), (109, 20204), (113, 20255), (114, 20258), (117, 20330), (119, 20366), (120, 20426), (121, 20432),

Gene: Lesedi_24 Start: 18610, Stop: 20667, Start Num: 2
Candidate Starts for Lesedi_24:
(Start: 2 @18610 has 231 MA's), (6, 18718), (7, 18742), (11, 18820), (20, 18961), (22, 18991), (23, 19018), (25, 19033), (29, 19126), (42, 19384), (52, 19576), (63, 19720), (64, 19723), (70, 19759), (79, 19888), (87, 20053), (91, 20107), (92, 20158), (94, 20194), (98, 20239), (107, 20347), (109, 20362),

(113, 20413), (114, 20416), (117, 20488), (119, 20524), (120, 20584), (121, 20590),

Gene: Levia_25 Start: 19621, Stop: 21678, Start Num: 2
Candidate Starts for Levia_25:
(Start: 2 @19621 has 231 MA's), (6, 19729), (7, 19753), (11, 19831), (20, 19972), (22, 20002), (23, 20029), (25, 20044), (29, 20137), (35, 20284), (42, 20395), (52, 20587), (63, 20731), (64, 20734), (70, 20770), (73, 20800), (79, 20899), (87, 21064), (91, 21118), (92, 21169), (94, 21205), (98, 21250), (107, 21358), (109, 21373), (113, 21424), (114, 21427), (117, 21499), (119, 21535), (120, 21595), (121, 21601),

Gene: Licorice_27 Start: 19861, Stop: 21918, Start Num: 2
Candidate Starts for Licorice_27:
(Start: 2 @19861 has 231 MA's), (6, 19969), (7, 19993), (11, 20071), (20, 20212), (22, 20242), (23, 20269), (25, 20284), (29, 20377), (42, 20635), (52, 20827), (63, 20971), (64, 20974), (70, 21010), (79, 21139), (87, 21304), (91, 21358), (92, 21409), (93, 21436), (94, 21445), (98, 21490), (107, 21598), (109, 21613), (113, 21664), (114, 21667), (117, 21739), (119, 21775), (120, 21835), (121, 21841),

Gene: LilBib_26 Start: 20052, Stop: 22109, Start Num: 2
Candidate Starts for LilBib_26:
(Start: 2 @20052 has 231 MA's), (6, 20160), (7, 20184), (11, 20262), (20, 20403), (22, 20433), (25, 20475), (29, 20568), (42, 20826), (52, 21018), (63, 21162), (64, 21165), (70, 21201), (73, 21231), (79, 21330), (87, 21495), (91, 21549), (92, 21600), (94, 21636), (98, 21681), (107, 21789), (109, 21804), (113, 21855), (114, 21858), (117, 21930), (119, 21966), (120, 22026), (121, 22032),

Gene: Lockley_25 Start: 18795, Stop: 20852, Start Num: 2
Candidate Starts for Lockley_25:
(Start: 2 @18795 has 231 MA's), (6, 18903), (7, 18927), (11, 19005), (20, 19146), (22, 19176), (25, 19218), (42, 19569), (52, 19761), (63, 19905), (64, 19908), (70, 19944), (73, 19974), (74, 19983), (79, 20073), (87, 20238), (91, 20292), (92, 20343), (94, 20379), (95, 20406), (98, 20424), (107, 20532), (109, 20547), (113, 20598), (114, 20601), (117, 20673), (119, 20709), (120, 20769), (121, 20775),

Gene: Lopton_26 Start: 20219, Stop: 22276, Start Num: 2
Candidate Starts for Lopton_26:
(Start: 2 @20219 has 231 MA's), (6, 20327), (7, 20351), (11, 20429), (20, 20570), (22, 20600), (23, 20627), (25, 20642), (42, 20993), (52, 21185), (63, 21329), (64, 21332), (70, 21368), (79, 21497), (87, 21662), (91, 21716), (92, 21767), (94, 21803), (98, 21848), (107, 21956), (109, 21971), (113, 22022), (114, 22025), (117, 22097), (119, 22133), (120, 22193), (121, 22199),

Gene: LunarLander_25 Start: 18749, Stop: 20806, Start Num: 2
Candidate Starts for LunarLander_25:
(Start: 2 @18749 has 231 MA's), (6, 18857), (7, 18881), (11, 18959), (20, 19100), (22, 19130), (25, 19172), (29, 19265), (42, 19523), (52, 19715), (63, 19859), (64, 19862), (70, 19898), (73, 19928), (74, 19937), (79, 20027), (87, 20192), (91, 20246), (92, 20297), (94, 20333), (98, 20378), (107, 20486), (109, 20501), (113, 20552), (114, 20555), (117, 20627), (119, 20663), (120, 20723), (121, 20729),

Gene: MPlant7149_24 Start: 18429, Stop: 20486, Start Num: 2
Candidate Starts for MPlant7149_24:
(Start: 2 @18429 has 231 MA's), (6, 18537), (7, 18561), (11, 18639), (20, 18780), (22, 18810), (23, 18837), (25, 18852), (29, 18945), (42, 19203), (52, 19395), (63, 19539), (64, 19542), (70, 19578), (73, 19608), (74, 19617), (79, 19707), (87, 19872), (91, 19926), (92, 19977), (94, 20013), (98, 20058), (107, 20166), (109, 20181), (113, 20232), (114, 20235), (117, 20307), (119, 20343), (120, 20403), (121, 20409),

Gene: Magnar_25 Start: 18579, Stop: 20636, Start Num: 2
Candidate Starts for Magnar_25:
(Start: 2 @18579 has 231 MA's), (6, 18687), (7, 18711), (11, 18789), (20, 18930), (22, 18960), (25, 19002), (29, 19095), (42, 19353), (52, 19545), (63, 19689), (64, 19692), (70, 19728), (73, 19758), (79, 19857), (87, 20022), (91, 20076), (92, 20127), (94, 20163), (98, 20208), (109, 20331), (113, 20382), (114, 20385), (117, 20457), (119, 20493), (120, 20553), (121, 20559),

Gene: Magnito_24 Start: 18331, Stop: 20388, Start Num: 2
Candidate Starts for Magnito_24:
(Start: 2 @18331 has 231 MA's), (6, 18439), (7, 18463), (11, 18541), (20, 18682), (22, 18712), (25, 18754), (29, 18847), (42, 19105), (52, 19297), (63, 19441), (64, 19444), (70, 19480), (79, 19609), (87, 19774), (91, 19828), (92, 19879), (94, 19915), (98, 19960), (107, 20068), (109, 20083), (113, 20134), (114, 20137), (117, 20209), (119, 20245), (120, 20305), (121, 20311),

Gene: Makemake_25 Start: 20047, Stop: 22104, Start Num: 2
Candidate Starts for Makemake_25:
(Start: 2 @20047 has 231 MA's), (6, 20155), (7, 20179), (11, 20257), (20, 20398), (22, 20428), (25, 20470), (29, 20563), (42, 20821), (52, 21013), (63, 21157), (64, 21160), (70, 21196), (79, 21325), (87, 21490), (91, 21544), (92, 21595), (94, 21631), (98, 21676), (107, 21784), (109, 21799), (113, 21850), (114, 21853), (117, 21925), (119, 21961), (120, 22021), (121, 22027),

Gene: Manatee_26 Start: 18599, Stop: 20656, Start Num: 2
Candidate Starts for Manatee_26:
(Start: 2 @18599 has 231 MA's), (6, 18707), (7, 18731), (11, 18809), (20, 18950), (22, 18980), (25, 19022), (42, 19373), (52, 19565), (63, 19709), (64, 19712), (70, 19748), (79, 19877), (87, 20042), (91, 20096), (92, 20147), (94, 20183), (98, 20228), (109, 20351), (113, 20402), (114, 20405), (117, 20477), (119, 20513), (120, 20573), (121, 20579),

Gene: Marcell_25 Start: 19089, Stop: 21146, Start Num: 2
Candidate Starts for Marcell_25:
(Start: 2 @19089 has 231 MA's), (6, 19197), (7, 19221), (11, 19299), (20, 19440), (22, 19470), (25, 19512), (29, 19605), (42, 19863), (52, 20055), (63, 20199), (64, 20202), (70, 20238), (79, 20367), (87, 20532), (91, 20586), (92, 20637), (94, 20673), (98, 20718), (109, 20841), (113, 20892), (114, 20895), (117, 20967), (119, 21003), (120, 21063), (121, 21069),

Gene: Marchy_24 Start: 18394, Stop: 20451, Start Num: 2
Candidate Starts for Marchy_24:
(Start: 2 @18394 has 231 MA's), (6, 18502), (7, 18526), (11, 18604), (20, 18745), (22, 18775), (23, 18802), (25, 18817), (29, 18910), (42, 19168), (52, 19360), (63, 19504), (64, 19507), (70, 19543), (73, 19573), (79, 19672), (87, 19837), (91, 19891), (92, 19942), (94, 19978), (98, 20023), (107, 20131), (109, 20146), (113, 20197), (114, 20200), (117, 20272), (119, 20308), (120, 20368), (121, 20374),

Gene: Marco3_25 Start: 18989, Stop: 21046, Start Num: 2
Candidate Starts for Marco3_25:
(Start: 2 @18989 has 231 MA's), (6, 19097), (7, 19121), (11, 19199), (20, 19340), (22, 19370), (25, 19412), (29, 19505), (42, 19763), (52, 19955), (63, 20099), (64, 20102), (70, 20138), (73, 20168), (74, 20177), (79, 20267), (87, 20432), (91, 20486), (92, 20537), (94, 20573), (98, 20618), (107, 20726), (109, 20741), (113, 20792), (114, 20795), (117, 20867), (119, 20903), (120, 20963), (121, 20969),

Gene: Marge_26 Start: 19489, Stop: 21546, Start Num: 2
Candidate Starts for Marge_26:
(Start: 2 @19489 has 231 MA's), (6, 19597), (7, 19621), (11, 19699), (20, 19840), (22, 19870), (23, 19897), (25, 19912), (29, 20005), (42, 20263), (52, 20455), (63, 20599), (64, 20602), (70, 20638), (73,

20668), (79, 20767), (87, 20932), (91, 20986), (92, 21037), (94, 21073), (98, 21118), (109, 21241), (113, 21292), (114, 21295), (117, 21367), (119, 21403), (120, 21463), (121, 21469),

Gene: Maroc7_24 Start: 18593, Stop: 20650, Start Num: 2
Candidate Starts for Maroc7_24:
(Start: 2 @18593 has 231 MA's), (6, 18701), (7, 18725), (11, 18803), (22, 18974), (23, 19001), (25, 19016), (29, 19109), (42, 19367), (52, 19559), (63, 19703), (64, 19706), (70, 19742), (73, 19772), (79, 19871), (87, 20036), (91, 20090), (92, 20141), (94, 20177), (98, 20222), (109, 20345), (113, 20396), (114, 20399), (117, 20471), (119, 20507), (120, 20567), (121, 20573),

Gene: Marsha_25 Start: 19715, Stop: 21772, Start Num: 2
Candidate Starts for Marsha_25:
(Start: 2 @19715 has 231 MA's), (6, 19823), (7, 19847), (11, 19925), (20, 20066), (22, 20096), (25, 20138), (29, 20231), (42, 20489), (52, 20681), (63, 20825), (64, 20828), (70, 20864), (73, 20894), (79, 20993), (87, 21158), (91, 21212), (92, 21263), (94, 21299), (98, 21344), (107, 21452), (109, 21467), (113, 21518), (114, 21521), (117, 21593), (119, 21629), (120, 21689), (121, 21695),

Gene: MaryBeth_25 Start: 19001, Stop: 21058, Start Num: 2
Candidate Starts for MaryBeth_25:
(Start: 2 @19001 has 231 MA's), (6, 19109), (7, 19133), (11, 19211), (20, 19352), (22, 19382), (25, 19424), (29, 19517), (42, 19775), (52, 19967), (63, 20111), (70, 20150), (73, 20180), (79, 20279), (87, 20444), (91, 20498), (92, 20549), (94, 20585), (98, 20630), (107, 20738), (109, 20753), (113, 20804), (114, 20807), (117, 20879), (119, 20915), (120, 20975), (121, 20981),

Gene: MaryV_39 Start: 23658, Stop: 25253, Start Num: 8
Candidate Starts for MaryV_39:
(Start: 8 @23658 has 5 MA's), (12, 23721), (13, 23727), (15, 23787), (17, 23823), (18, 23832), (21, 23859), (24, 23904), (31, 24027), (32, 24042), (33, 24063), (36, 24141), (37, 24144), (40, 24189), (41, 24210), (44, 24279), (45, 24309), (46, 24339), (50, 24375), (53, 24414), (54, 24420), (57, 24444), (58, 24471), (60, 24495), (61, 24507), (63, 24540), (64, 24543), (66, 24552), (68, 24567), (77, 24678), (78, 24696), (80, 24735), (84, 24816), (85, 24822), (86, 24825), (88, 24876), (90, 24894), (96, 25011), (97, 25020), (99, 25041), (101, 25071), (102, 25074), (115, 25194),

Gene: McGuire_26 Start: 18891, Stop: 20948, Start Num: 2
Candidate Starts for McGuire_26:
(Start: 2 @18891 has 231 MA's), (6, 18999), (7, 19023), (11, 19101), (20, 19242), (22, 19272), (25, 19314), (42, 19665), (52, 19857), (63, 20001), (64, 20004), (70, 20040), (79, 20169), (87, 20334), (91, 20388), (92, 20439), (94, 20475), (98, 20520), (107, 20628), (109, 20643), (113, 20694), (114, 20697), (117, 20769), (119, 20805), (120, 20865), (121, 20871),

Gene: McSinger_26 Start: 19261, Stop: 21318, Start Num: 2
Candidate Starts for McSinger_26:
(Start: 2 @19261 has 231 MA's), (6, 19369), (7, 19393), (11, 19471), (20, 19612), (22, 19642), (23, 19669), (25, 19684), (29, 19777), (42, 20035), (52, 20227), (63, 20371), (64, 20374), (70, 20410), (73, 20440), (79, 20539), (87, 20704), (91, 20758), (92, 20809), (94, 20845), (98, 20890), (107, 20998), (109, 21013), (113, 21064), (114, 21067), (117, 21139), (119, 21175), (120, 21235), (121, 21241),

Gene: MetalQZJ_25 Start: 19001, Stop: 21058, Start Num: 2
Candidate Starts for MetalQZJ_25:
(Start: 2 @19001 has 231 MA's), (6, 19109), (7, 19133), (11, 19211), (20, 19352), (22, 19382), (25, 19424), (29, 19517), (42, 19775), (52, 19967), (63, 20111), (70, 20150), (73, 20180), (79, 20279), (87, 20444), (91, 20498), (92, 20549), (94, 20585), (98, 20630), (107, 20738), (109, 20753), (113, 20804), (114, 20807), (117, 20879), (119, 20915), (120, 20975), (121, 20981),

Gene: Michley_25 Start: 18746, Stop: 20803, Start Num: 2
Candidate Starts for Michley_25:
(Start: 2 @18746 has 231 MA's), (6, 18854), (7, 18878), (11, 18956), (20, 19097), (22, 19127), (25, 19169), (42, 19520), (52, 19712), (63, 19856), (64, 19859), (70, 19895), (73, 19925), (74, 19934), (79, 20024), (87, 20189), (91, 20243), (92, 20294), (94, 20330), (98, 20375), (107, 20483), (109, 20498), (113, 20549), (114, 20552), (117, 20624), (119, 20660), (120, 20720), (121, 20726),

Gene: MilleFeuille_24 Start: 18706, Stop: 20763, Start Num: 2
Candidate Starts for MilleFeuille_24:
(Start: 2 @18706 has 231 MA's), (6, 18814), (7, 18838), (11, 18916), (20, 19057), (22, 19087), (23, 19114), (25, 19129), (29, 19222), (35, 19369), (42, 19480), (52, 19672), (63, 19816), (64, 19819), (70, 19855), (79, 19984), (87, 20149), (91, 20203), (92, 20254), (94, 20290), (98, 20335), (107, 20443), (109, 20458), (113, 20509), (114, 20512), (117, 20584), (119, 20620), (120, 20680), (121, 20686),

Gene: Mkhuseli_26 Start: 18916, Stop: 20973, Start Num: 2
Candidate Starts for Mkhuseli_26:
(Start: 2 @18916 has 231 MA's), (6, 19024), (7, 19048), (11, 19126), (20, 19267), (22, 19297), (25, 19339), (35, 19579), (42, 19690), (52, 19882), (63, 20026), (64, 20029), (70, 20065), (73, 20095), (79, 20194), (87, 20359), (91, 20413), (92, 20464), (94, 20500), (98, 20545), (107, 20653), (109, 20668), (113, 20719), (114, 20722), (117, 20794), (119, 20830), (120, 20890), (121, 20896),

Gene: Molly_26 Start: 18632, Stop: 20689, Start Num: 2
Candidate Starts for Molly_26:
(Start: 2 @18632 has 231 MA's), (6, 18740), (7, 18764), (11, 18842), (22, 19013), (23, 19040), (25, 19055), (29, 19148), (42, 19406), (52, 19598), (63, 19742), (64, 19745), (70, 19781), (79, 19910), (87, 20075), (91, 20129), (92, 20180), (94, 20216), (98, 20261), (107, 20369), (109, 20384), (113, 20435), (114, 20438), (117, 20510), (119, 20546), (120, 20606), (121, 20612),

Gene: Monet_27 Start: 20117, Stop: 22174, Start Num: 2
Candidate Starts for Monet_27:
(Start: 2 @20117 has 231 MA's), (6, 20225), (7, 20249), (11, 20327), (20, 20468), (22, 20498), (25, 20540), (29, 20633), (42, 20891), (52, 21083), (63, 21227), (64, 21230), (70, 21266), (73, 21296), (79, 21395), (87, 21560), (91, 21614), (92, 21665), (94, 21701), (98, 21746), (107, 21854), (109, 21869), (113, 21920), (114, 21923), (117, 21995), (119, 22031), (120, 22091), (121, 22097),

Gene: Moose_24 Start: 18858, Stop: 20915, Start Num: 2
Candidate Starts for Moose_24:
(Start: 2 @18858 has 231 MA's), (6, 18966), (7, 18990), (11, 19068), (20, 19209), (22, 19239), (25, 19281), (42, 19632), (52, 19824), (63, 19968), (64, 19971), (70, 20007), (79, 20136), (87, 20301), (91, 20355), (92, 20406), (94, 20442), (98, 20487), (109, 20610), (113, 20661), (114, 20664), (117, 20736), (119, 20772), (120, 20832), (121, 20838),

Gene: MrGordo_25 Start: 18559, Stop: 20616, Start Num: 2
Candidate Starts for MrGordo_25:
(Start: 2 @18559 has 231 MA's), (6, 18667), (7, 18691), (11, 18769), (20, 18910), (22, 18940), (23, 18967), (25, 18982), (42, 19333), (52, 19525), (63, 19669), (64, 19672), (70, 19708), (73, 19738), (79, 19837), (87, 20002), (91, 20056), (92, 20107), (94, 20143), (98, 20188), (107, 20296), (109, 20311), (113, 20362), (114, 20365), (117, 20437), (119, 20473), (120, 20533), (121, 20539),

Gene: Mryolo_24 Start: 18618, Stop: 20675, Start Num: 2
Candidate Starts for Mryolo_24:

(Start: 2 @18618 has 231 MA's), (6, 18726), (7, 18750), (11, 18828), (20, 18969), (22, 18999), (25, 19041), (29, 19134), (42, 19392), (52, 19584), (63, 19728), (64, 19731), (70, 19767), (73, 19797), (79, 19896), (87, 20061), (91, 20115), (92, 20166), (94, 20202), (98, 20247), (109, 20370), (113, 20421), (114, 20424), (117, 20496), (119, 20532), (120, 20592), (121, 20598),

Gene: Mule_25 Start: 18905, Stop: 20962, Start Num: 2
Candidate Starts for Mule_25:
(Start: 2 @18905 has 231 MA's), (6, 19013), (7, 19037), (11, 19115), (20, 19256), (22, 19286), (25, 19328), (29, 19421), (42, 19679), (52, 19871), (63, 20015), (64, 20018), (70, 20054), (73, 20084), (79, 20183), (87, 20348), (91, 20402), (92, 20453), (94, 20489), (98, 20534), (107, 20642), (109, 20657), (113, 20708), (114, 20711), (117, 20783), (119, 20819), (120, 20879), (121, 20885),

Gene: Museum_27 Start: 18915, Stop: 20972, Start Num: 2
Candidate Starts for Museum_27:
(Start: 2 @18915 has 231 MA's), (6, 19023), (7, 19047), (11, 19125), (20, 19266), (22, 19296), (25, 19338), (29, 19431), (42, 19689), (52, 19881), (63, 20025), (64, 20028), (70, 20064), (79, 20193), (87, 20358), (91, 20412), (92, 20463), (94, 20499), (109, 20667), (113, 20718), (114, 20721), (117, 20793), (119, 20829), (120, 20889), (121, 20895),

Gene: NEHalo_25 Start: 18653, Stop: 20710, Start Num: 2
Candidate Starts for NEHalo_25:
(Start: 2 @18653 has 231 MA's), (6, 18761), (7, 18785), (11, 18863), (20, 19004), (22, 19034), (25, 19076), (29, 19169), (42, 19427), (52, 19619), (63, 19763), (64, 19766), (70, 19802), (73, 19832), (74, 19841), (79, 19931), (87, 20096), (91, 20150), (92, 20201), (94, 20237), (95, 20264), (98, 20282), (107, 20390), (109, 20405), (113, 20456), (114, 20459), (117, 20531), (119, 20567), (120, 20627), (121, 20633),

Gene: Naira_26 Start: 20534, Stop: 22591, Start Num: 2
Candidate Starts for Naira_26:
(Start: 2 @20534 has 231 MA's), (6, 20642), (7, 20666), (11, 20744), (20, 20885), (22, 20915), (25, 20957), (29, 21050), (42, 21308), (52, 21500), (63, 21644), (64, 21647), (70, 21683), (79, 21812), (87, 21977), (91, 22031), (92, 22082), (94, 22118), (98, 22163), (107, 22271), (109, 22286), (113, 22337), (114, 22340), (117, 22412), (119, 22448), (120, 22508), (121, 22514),

Gene: Nerujay_26 Start: 19321, Stop: 21378, Start Num: 2
Candidate Starts for Nerujay_26:
(Start: 2 @19321 has 231 MA's), (6, 19429), (7, 19453), (11, 19531), (22, 19702), (23, 19729), (25, 19744), (42, 20095), (52, 20287), (63, 20431), (64, 20434), (70, 20470), (73, 20500), (79, 20599), (87, 20764), (91, 20818), (92, 20869), (94, 20905), (98, 20950), (107, 21058), (109, 21073), (113, 21124), (114, 21127), (117, 21199), (119, 21235), (120, 21295), (121, 21301),

Gene: Nhonho_25 Start: 19072, Stop: 21129, Start Num: 2
Candidate Starts for Nhonho_25:
(Start: 2 @19072 has 231 MA's), (6, 19180), (7, 19204), (11, 19282), (20, 19423), (22, 19453), (23, 19480), (25, 19495), (29, 19588), (42, 19846), (52, 20038), (63, 20182), (64, 20185), (70, 20221), (79, 20350), (87, 20515), (91, 20569), (92, 20620), (94, 20656), (98, 20701), (107, 20809), (109, 20824), (113, 20875), (114, 20878), (117, 20950), (119, 20986), (120, 21046), (121, 21052),

Gene: Niza_27 Start: 19914, Stop: 21971, Start Num: 2
Candidate Starts for Niza_27:
(Start: 2 @19914 has 231 MA's), (6, 20022), (7, 20046), (11, 20124), (20, 20265), (22, 20295), (25, 20337), (29, 20430), (42, 20688), (52, 20880), (63, 21024), (64, 21027), (70, 21063), (79, 21192), (87, 21357), (91, 21411), (92, 21462), (94, 21498), (98, 21543), (107, 21651), (109, 21666), (113, 21717),

(114, 21720), (117, 21792), (119, 21828), (120, 21888), (121, 21894),

Gene: Norz_27 Start: 19750, Stop: 21807, Start Num: 2
Candidate Starts for Norz_27:
(Start: 2 @19750 has 231 MA's), (6, 19858), (7, 19882), (11, 19960), (20, 20101), (22, 20131), (25, 20173), (29, 20266), (42, 20524), (52, 20716), (63, 20860), (64, 20863), (70, 20899), (73, 20929), (79, 21028), (91, 21247), (92, 21298), (94, 21334), (98, 21379), (107, 21487), (109, 21502), (113, 21553), (114, 21556), (117, 21628), (119, 21664), (120, 21724), (121, 21730),

Gene: Noxious_28 Start: 20379, Stop: 22436, Start Num: 2
Candidate Starts for Noxious_28:
(Start: 2 @20379 has 231 MA's), (6, 20487), (7, 20511), (11, 20589), (20, 20730), (22, 20760), (23, 20787), (25, 20802), (29, 20895), (42, 21153), (52, 21345), (63, 21489), (64, 21492), (70, 21528), (73, 21558), (79, 21657), (87, 21822), (91, 21876), (92, 21927), (94, 21963), (98, 22008), (107, 22116), (109, 22131), (113, 22182), (114, 22185), (117, 22257), (119, 22293), (120, 22353), (121, 22359),

Gene: Ohno789_25 Start: 18714, Stop: 20771, Start Num: 2
Candidate Starts for Ohno789_25:
(Start: 2 @18714 has 231 MA's), (6, 18822), (7, 18846), (11, 18924), (20, 19065), (22, 19095), (25, 19137), (29, 19230), (42, 19488), (52, 19680), (63, 19824), (64, 19827), (70, 19863), (73, 19893), (79, 19992), (87, 20157), (91, 20211), (92, 20262), (94, 20298), (98, 20343), (107, 20451), (109, 20466), (113, 20517), (114, 20520), (117, 20592), (119, 20628), (120, 20688), (121, 20694),

Gene: Oogway_24 Start: 18836, Stop: 20893, Start Num: 2
Candidate Starts for Oogway_24:
(Start: 2 @18836 has 231 MA's), (6, 18944), (7, 18968), (11, 19046), (22, 19217), (23, 19244), (25, 19259), (42, 19610), (52, 19802), (63, 19946), (64, 19949), (70, 19985), (73, 20015), (74, 20024), (79, 20114), (87, 20279), (91, 20333), (92, 20384), (94, 20420), (98, 20465), (107, 20573), (109, 20588), (113, 20639), (114, 20642), (117, 20714), (119, 20750), (120, 20810), (121, 20816),

Gene: PSullivan_27 Start: 19327, Stop: 21384, Start Num: 2
Candidate Starts for PSullivan_27:
(Start: 2 @19327 has 231 MA's), (6, 19435), (7, 19459), (11, 19537), (22, 19708), (23, 19735), (25, 19750), (29, 19843), (42, 20101), (52, 20293), (63, 20437), (64, 20440), (70, 20476), (76, 20548), (79, 20605), (87, 20770), (91, 20824), (92, 20875), (94, 20911), (98, 20956), (107, 21064), (109, 21079), (113, 21130), (114, 21133), (117, 21205), (119, 21241), (120, 21301), (121, 21307),

Gene: PacerPaul_25 Start: 19137, Stop: 21194, Start Num: 2
Candidate Starts for PacerPaul_25:
(Start: 2 @19137 has 231 MA's), (6, 19245), (7, 19269), (11, 19347), (20, 19488), (22, 19518), (23, 19545), (25, 19560), (42, 19911), (52, 20103), (63, 20247), (64, 20250), (70, 20286), (79, 20415), (87, 20580), (91, 20634), (92, 20685), (94, 20721), (98, 20766), (109, 20889), (113, 20940), (114, 20943), (117, 21015), (119, 21051), (120, 21111), (121, 21117),

Gene: Papez_27 Start: 20552, Stop: 22609, Start Num: 2
Candidate Starts for Papez_27:
(Start: 2 @20552 has 231 MA's), (6, 20660), (7, 20684), (11, 20762), (20, 20903), (22, 20933), (25, 20975), (29, 21068), (42, 21326), (52, 21518), (63, 21662), (64, 21665), (70, 21701), (73, 21731), (79, 21830), (91, 22049), (92, 22100), (94, 22136), (98, 22181), (107, 22289), (109, 22304), (113, 22355), (114, 22358), (117, 22430), (119, 22466), (120, 22526), (121, 22532),

Gene: Paphu_24 Start: 18650, Stop: 20707, Start Num: 2
Candidate Starts for Paphu_24:

(Start: 2 @18650 has 231 MA's), (6, 18758), (7, 18782), (11, 18860), (20, 19001), (22, 19031), (23, 19058), (25, 19073), (29, 19166), (42, 19424), (52, 19616), (63, 19760), (64, 19763), (70, 19799), (79, 19928), (87, 20093), (91, 20147), (92, 20198), (94, 20234), (98, 20279), (109, 20402), (113, 20453), (114, 20456), (117, 20528), (119, 20564), (120, 20624), (121, 20630),

Gene: Paraselene_24 Start: 19021, Stop: 21078, Start Num: 2
Candidate Starts for Paraselene_24:
(Start: 2 @19021 has 231 MA's), (6, 19129), (7, 19153), (11, 19231), (22, 19402), (23, 19429), (25, 19444), (42, 19795), (52, 19987), (63, 20131), (64, 20134), (70, 20170), (79, 20299), (87, 20464), (91, 20518), (92, 20569), (94, 20605), (95, 20632), (98, 20650), (109, 20773), (113, 20824), (114, 20827), (117, 20899), (119, 20935), (120, 20995), (121, 21001),

Gene: Pari_26 Start: 18588, Stop: 20645, Start Num: 2
Candidate Starts for Pari_26:
(Start: 2 @18588 has 231 MA's), (6, 18696), (7, 18720), (11, 18798), (20, 18939), (22, 18969), (25, 19011), (42, 19362), (52, 19554), (63, 19698), (64, 19701), (70, 19737), (73, 19767), (79, 19866), (87, 20031), (91, 20085), (92, 20136), (94, 20172), (95, 20199), (98, 20217), (107, 20325), (109, 20340), (113, 20391), (114, 20394), (117, 20466), (119, 20502), (120, 20562), (121, 20568),

Gene: Parliament_24 Start: 18945, Stop: 21002, Start Num: 2
Candidate Starts for Parliament_24:
(Start: 2 @18945 has 231 MA's), (6, 19053), (7, 19077), (11, 19155), (20, 19296), (22, 19326), (25, 19368), (42, 19719), (52, 19911), (63, 20055), (64, 20058), (70, 20094), (73, 20124), (74, 20133), (79, 20223), (87, 20388), (91, 20442), (92, 20493), (94, 20529), (95, 20556), (98, 20574), (107, 20682), (109, 20697), (113, 20748), (114, 20751), (117, 20823), (119, 20859), (120, 20919), (121, 20925),

Gene: PascalRango_24 Start: 18638, Stop: 20695, Start Num: 2
Candidate Starts for PascalRango_24:
(Start: 2 @18638 has 231 MA's), (6, 18746), (7, 18770), (11, 18848), (20, 18989), (22, 19019), (25, 19061), (29, 19154), (42, 19412), (52, 19604), (63, 19748), (64, 19751), (70, 19787), (73, 19817), (79, 19916), (87, 20081), (91, 20135), (92, 20186), (94, 20222), (107, 20375), (109, 20390), (113, 20441), (114, 20444), (117, 20516), (119, 20552), (120, 20612), (121, 20618),

Gene: PattyP_27 Start: 19124, Stop: 21181, Start Num: 2
Candidate Starts for PattyP_27:
(Start: 2 @19124 has 231 MA's), (6, 19232), (7, 19256), (11, 19334), (20, 19475), (22, 19505), (25, 19547), (29, 19640), (42, 19898), (52, 20090), (63, 20234), (64, 20237), (70, 20273), (79, 20402), (87, 20567), (91, 20621), (92, 20672), (94, 20708), (109, 20876), (113, 20927), (114, 20930), (117, 21002), (119, 21038), (120, 21098), (121, 21104),

Gene: Payneful_25 Start: 18394, Stop: 20451, Start Num: 2
Candidate Starts for Payneful_25:
(Start: 2 @18394 has 231 MA's), (6, 18502), (7, 18526), (11, 18604), (20, 18745), (22, 18775), (23, 18802), (25, 18817), (29, 18910), (42, 19168), (52, 19360), (63, 19504), (64, 19507), (70, 19543), (73, 19573), (79, 19672), (87, 19837), (91, 19891), (92, 19942), (94, 19978), (98, 20023), (107, 20131), (109, 20146), (113, 20197), (114, 20200), (117, 20272), (119, 20308), (120, 20368), (121, 20374),

Gene: Pelly_26 Start: 19543, Stop: 21600, Start Num: 2
Candidate Starts for Pelly_26:
(Start: 2 @19543 has 231 MA's), (6, 19651), (7, 19675), (11, 19753), (22, 19924), (25, 19966), (29, 20059), (42, 20317), (52, 20509), (63, 20653), (64, 20656), (70, 20692), (79, 20821), (87, 20986), (91, 21040), (92, 21091), (94, 21127), (98, 21172), (107, 21280), (109, 21295), (113, 21346), (114, 21349), (117, 21421), (119, 21457), (120, 21517), (121, 21523),

Gene: Pepe_26 Start: 19725, Stop: 21782, Start Num: 2
Candidate Starts for Pepe_26:
(Start: 2 @19725 has 231 MA's), (6, 19833), (7, 19857), (11, 19935), (20, 20076), (22, 20106), (25, 20148), (42, 20499), (52, 20691), (63, 20835), (64, 20838), (70, 20874), (73, 20904), (79, 21003), (87, 21168), (91, 21222), (92, 21273), (94, 21309), (98, 21354), (107, 21462), (109, 21477), (113, 21528), (114, 21531), (117, 21603), (119, 21639), (120, 21699), (121, 21705),

Gene: Perseus_26 Start: 19487, Stop: 21544, Start Num: 2
Candidate Starts for Perseus_26:
(Start: 2 @19487 has 231 MA's), (6, 19595), (7, 19619), (11, 19697), (20, 19838), (22, 19868), (23, 19895), (25, 19910), (29, 20003), (42, 20261), (52, 20453), (63, 20597), (64, 20600), (70, 20636), (79, 20765), (87, 20930), (91, 20984), (92, 21035), (94, 21071), (98, 21116), (107, 21224), (109, 21239), (113, 21290), (114, 21293), (117, 21365), (119, 21401), (120, 21461), (121, 21467),

Gene: Peterson_28 Start: 20753, Stop: 22810, Start Num: 2
Candidate Starts for Peterson_28:
(Start: 2 @20753 has 231 MA's), (6, 20861), (7, 20885), (11, 20963), (20, 21104), (22, 21134), (25, 21176), (42, 21527), (52, 21719), (63, 21863), (64, 21866), (70, 21902), (79, 22031), (87, 22196), (91, 22250), (92, 22301), (94, 22337), (98, 22382), (109, 22505), (113, 22556), (114, 22559), (117, 22631), (119, 22667), (120, 22727), (121, 22733),

Gene: Petp2012_27 Start: 19795, Stop: 21852, Start Num: 2
Candidate Starts for Petp2012_27:
(Start: 2 @19795 has 231 MA's), (6, 19903), (7, 19927), (11, 20005), (22, 20176), (23, 20203), (25, 20218), (29, 20311), (42, 20569), (52, 20761), (63, 20905), (64, 20908), (70, 20944), (79, 21073), (87, 21238), (91, 21292), (92, 21343), (94, 21379), (98, 21424), (109, 21547), (113, 21598), (114, 21601), (117, 21673), (119, 21709), (120, 21769), (121, 21775),

Gene: Petruchio_26 Start: 19316, Stop: 21373, Start Num: 2
Candidate Starts for Petruchio_26:
(Start: 2 @19316 has 231 MA's), (6, 19424), (7, 19448), (11, 19526), (20, 19667), (22, 19697), (23, 19724), (25, 19739), (29, 19832), (42, 20090), (52, 20282), (63, 20426), (64, 20429), (70, 20465), (73, 20495), (79, 20594), (87, 20759), (91, 20813), (92, 20864), (94, 20900), (98, 20945), (107, 21053), (109, 21068), (113, 21119), (114, 21122), (117, 21194), (119, 21230), (120, 21290), (121, 21296),

Gene: PherrisBueller_26 Start: 18730, Stop: 20787, Start Num: 2
Candidate Starts for PherrisBueller_26:
(Start: 2 @18730 has 231 MA's), (6, 18838), (7, 18862), (11, 18940), (22, 19111), (25, 19153), (42, 19504), (52, 19696), (63, 19840), (64, 19843), (70, 19879), (73, 19909), (79, 20008), (87, 20173), (91, 20227), (92, 20278), (94, 20314), (98, 20359), (107, 20467), (109, 20482), (113, 20533), (114, 20536), (117, 20608), (119, 20644), (120, 20704), (121, 20710),

Gene: PhineBark_24 Start: 19621, Stop: 21678, Start Num: 2
Candidate Starts for PhineBark_24:
(Start: 2 @19621 has 231 MA's), (6, 19729), (7, 19753), (11, 19831), (20, 19972), (22, 20002), (23, 20029), (25, 20044), (29, 20137), (35, 20284), (42, 20395), (52, 20587), (63, 20731), (64, 20734), (70, 20770), (73, 20800), (79, 20899), (87, 21064), (91, 21118), (92, 21169), (94, 21205), (98, 21250), (107, 21358), (109, 21373), (113, 21424), (114, 21427), (117, 21499), (119, 21535), (120, 21595), (121, 21601),

Gene: Phlippers_24 Start: 19924, Stop: 21981, Start Num: 2
Candidate Starts for Phlippers_24:

(Start: 2 @19924 has 231 MA's), (6, 20032), (7, 20056), (11, 20134), (22, 20305), (23, 20332), (25, 20347), (29, 20440), (42, 20698), (52, 20890), (63, 21034), (64, 21037), (70, 21073), (73, 21103), (79, 21202), (87, 21367), (91, 21421), (92, 21472), (94, 21508), (95, 21535), (98, 21553), (109, 21676), (113, 21727), (114, 21730), (117, 21802), (119, 21838), (120, 21898), (121, 21904),

Gene: PhrostyMug_25 Start: 18902, Stop: 20959, Start Num: 2
Candidate Starts for PhrostyMug_25:
(Start: 2 @18902 has 231 MA's), (6, 19010), (7, 19034), (11, 19112), (20, 19253), (22, 19283), (25, 19325), (29, 19418), (42, 19676), (52, 19868), (63, 20012), (64, 20015), (70, 20051), (73, 20081), (79, 20180), (87, 20345), (91, 20399), (92, 20450), (94, 20486), (98, 20531), (107, 20639), (109, 20654), (113, 20705), (114, 20708), (117, 20780), (119, 20816), (120, 20876), (121, 20882),

Gene: PinkPlastic_24 Start: 18664, Stop: 20721, Start Num: 2
Candidate Starts for PinkPlastic_24:
(Start: 2 @18664 has 231 MA's), (6, 18772), (7, 18796), (11, 18874), (20, 19015), (22, 19045), (25, 19087), (29, 19180), (42, 19438), (52, 19630), (63, 19774), (64, 19777), (70, 19813), (73, 19843), (79, 19942), (87, 20107), (91, 20161), (92, 20212), (94, 20248), (98, 20293), (107, 20401), (109, 20416), (113, 20467), (114, 20470), (117, 20542), (119, 20578), (120, 20638), (121, 20644),

Gene: Pinto_28 Start: 19455, Stop: 21512, Start Num: 2
Candidate Starts for Pinto_28:
(Start: 2 @19455 has 231 MA's), (6, 19563), (7, 19587), (11, 19665), (20, 19806), (22, 19836), (25, 19878), (29, 19971), (42, 20229), (52, 20421), (63, 20565), (64, 20568), (70, 20604), (73, 20634), (79, 20733), (87, 20898), (91, 20952), (92, 21003), (94, 21039), (98, 21084), (107, 21192), (109, 21207), (113, 21258), (114, 21261), (117, 21333), (119, 21369), (120, 21429), (121, 21435),

Gene: Pippin_27 Start: 19228, Stop: 21285, Start Num: 2
Candidate Starts for Pippin_27:
(Start: 2 @19228 has 231 MA's), (6, 19336), (7, 19360), (11, 19438), (20, 19579), (22, 19609), (25, 19651), (29, 19744), (42, 20002), (52, 20194), (63, 20338), (64, 20341), (70, 20377), (73, 20407), (79, 20506), (87, 20671), (91, 20725), (92, 20776), (94, 20812), (98, 20857), (107, 20965), (109, 20980), (113, 21031), (114, 21034), (117, 21106), (119, 21142), (120, 21202), (121, 21208),

Gene: Pita2_27 Start: 19327, Stop: 21384, Start Num: 2
Candidate Starts for Pita2_27:
(Start: 2 @19327 has 231 MA's), (6, 19435), (7, 19459), (11, 19537), (22, 19708), (23, 19735), (25, 19750), (29, 19843), (42, 20101), (52, 20293), (63, 20437), (64, 20440), (70, 20476), (76, 20548), (79, 20605), (87, 20770), (91, 20824), (92, 20875), (94, 20911), (98, 20956), (107, 21064), (109, 21079), (113, 21130), (114, 21133), (117, 21205), (119, 21241), (120, 21301), (121, 21307),

Gene: PowerRanger_25 Start: 19879, Stop: 21936, Start Num: 2
Candidate Starts for PowerRanger_25:
(Start: 2 @19879 has 231 MA's), (6, 19987), (7, 20011), (11, 20089), (22, 20260), (23, 20287), (25, 20302), (29, 20395), (42, 20653), (52, 20845), (63, 20989), (64, 20992), (70, 21028), (79, 21157), (87, 21322), (91, 21376), (92, 21427), (94, 21463), (98, 21508), (107, 21616), (109, 21631), (113, 21682), (114, 21685), (117, 21757), (119, 21793), (120, 21853), (121, 21859),

Gene: ProMouse_26 Start: 19347, Stop: 21404, Start Num: 2
Candidate Starts for ProMouse_26:
(Start: 2 @19347 has 231 MA's), (6, 19455), (7, 19479), (11, 19557), (20, 19698), (22, 19728), (25, 19770), (39, 20055), (42, 20121), (52, 20313), (63, 20457), (64, 20460), (70, 20496), (73, 20526), (74, 20535), (79, 20625), (87, 20790), (91, 20844), (92, 20895), (94, 20931), (95, 20958), (98, 20976), (107, 21084), (109, 21099), (113, 21150), (114, 21153), (117, 21225), (119, 21261), (120, 21321), (121,

21327),

Gene: Puppet_25 Start: 18906, Stop: 20963, Start Num: 2
Candidate Starts for Puppet_25:
(Start: 2 @18906 has 231 MA's), (6, 19014), (7, 19038), (11, 19116), (20, 19257), (22, 19287), (25, 19329), (29, 19422), (42, 19680), (52, 19872), (63, 20016), (64, 20019), (70, 20055), (73, 20085), (79, 20184), (87, 20349), (91, 20403), (92, 20454), (94, 20490), (98, 20535), (107, 20643), (109, 20658), (113, 20709), (114, 20712), (117, 20784), (119, 20820), (120, 20880), (121, 20886),

Gene: QTRlifeCrisis_25 Start: 19484, Stop: 21541, Start Num: 2
Candidate Starts for QTRlifeCrisis_25:
(Start: 2 @19484 has 231 MA's), (6, 19592), (7, 19616), (11, 19694), (20, 19835), (22, 19865), (23, 19892), (25, 19907), (29, 20000), (42, 20258), (52, 20450), (63, 20594), (64, 20597), (70, 20633), (79, 20762), (87, 20927), (91, 20981), (92, 21032), (94, 21068), (98, 21113), (107, 21221), (109, 21236), (113, 21287), (114, 21290), (117, 21362), (119, 21398), (120, 21458), (121, 21464),

Gene: Raid_25 Start: 18933, Stop: 20990, Start Num: 2
Candidate Starts for Raid_25:
(Start: 2 @18933 has 231 MA's), (6, 19041), (7, 19065), (11, 19143), (20, 19284), (22, 19314), (25, 19356), (39, 19641), (42, 19707), (52, 19899), (63, 20043), (64, 20046), (70, 20082), (73, 20112), (74, 20121), (79, 20211), (87, 20376), (91, 20430), (92, 20481), (94, 20517), (98, 20562), (107, 20670), (109, 20685), (113, 20736), (114, 20739), (117, 20811), (119, 20847), (120, 20907), (121, 20913),

Gene: Rajelicia_25 Start: 18623, Stop: 20680, Start Num: 2
Candidate Starts for Rajelicia_25:
(Start: 2 @18623 has 231 MA's), (6, 18731), (7, 18755), (11, 18833), (20, 18974), (22, 19004), (25, 19046), (42, 19397), (52, 19589), (63, 19733), (64, 19736), (70, 19772), (79, 19901), (87, 20066), (91, 20120), (92, 20171), (94, 20207), (95, 20234), (98, 20252), (107, 20360), (109, 20375), (113, 20426), (114, 20429), (117, 20501), (119, 20537), (120, 20597), (121, 20603),

Gene: Rhynn_25 Start: 18911, Stop: 20968, Start Num: 2
Candidate Starts for Rhynn_25:
(Start: 2 @18911 has 231 MA's), (6, 19019), (7, 19043), (11, 19121), (20, 19262), (22, 19292), (25, 19334), (29, 19427), (42, 19685), (52, 19877), (63, 20021), (64, 20024), (70, 20060), (73, 20090), (74, 20099), (79, 20189), (87, 20354), (91, 20408), (92, 20459), (94, 20495), (98, 20540), (107, 20648), (109, 20663), (113, 20714), (114, 20717), (117, 20789), (119, 20825), (120, 20885), (121, 20891),

Gene: RidgeCB_25 Start: 18686, Stop: 20743, Start Num: 2
Candidate Starts for RidgeCB_25:
(Start: 2 @18686 has 231 MA's), (6, 18794), (7, 18818), (11, 18896), (20, 19037), (22, 19067), (23, 19094), (25, 19109), (29, 19202), (42, 19460), (52, 19652), (63, 19796), (64, 19799), (70, 19835), (73, 19865), (79, 19964), (87, 20129), (91, 20183), (92, 20234), (94, 20270), (98, 20315), (109, 20438), (113, 20489), (114, 20492), (117, 20564), (119, 20600), (120, 20660), (121, 20666),

Gene: Ringer_25 Start: 19585, Stop: 21642, Start Num: 2
Candidate Starts for Ringer_25:
(Start: 2 @19585 has 231 MA's), (6, 19693), (7, 19717), (11, 19795), (20, 19936), (22, 19966), (25, 20008), (29, 20101), (42, 20359), (52, 20551), (63, 20695), (64, 20698), (70, 20734), (73, 20764), (79, 20863), (87, 21028), (91, 21082), (92, 21133), (94, 21169), (98, 21214), (107, 21322), (109, 21337), (113, 21388), (114, 21391), (117, 21463), (119, 21499), (120, 21559), (121, 21565),

Gene: Rohr_26 Start: 19108, Stop: 21165, Start Num: 2
Candidate Starts for Rohr_26:

(Start: 2 @19108 has 231 MA's), (6, 19216), (7, 19240), (11, 19318), (20, 19459), (22, 19489), (25, 19531), (29, 19624), (42, 19882), (52, 20074), (63, 20218), (64, 20221), (70, 20257), (73, 20287), (79, 20386), (87, 20551), (91, 20605), (92, 20656), (94, 20692), (98, 20737), (107, 20845), (109, 20860), (113, 20911), (114, 20914), (117, 20986), (119, 21022), (120, 21082), (121, 21088),

Gene: Rubeus_26 Start: 18946, Stop: 21003, Start Num: 2
Candidate Starts for Rubeus_26:
(Start: 2 @18946 has 231 MA's), (6, 19054), (7, 19078), (11, 19156), (20, 19297), (22, 19327), (23, 19354), (25, 19369), (29, 19462), (42, 19720), (52, 19912), (63, 20056), (64, 20059), (70, 20095), (79, 20224), (87, 20389), (91, 20443), (92, 20494), (94, 20530), (95, 20557), (98, 20575), (109, 20698), (113, 20749), (114, 20752), (117, 20824), (119, 20860), (120, 20920), (121, 20926),

Gene: Rufus_26 Start: 19270, Stop: 21327, Start Num: 2
Candidate Starts for Rufus_26:
(Start: 2 @19270 has 231 MA's), (6, 19378), (7, 19402), (11, 19480), (20, 19621), (22, 19651), (23, 19678), (25, 19693), (29, 19786), (42, 20044), (52, 20236), (63, 20380), (64, 20383), (70, 20419), (76, 20491), (79, 20548), (87, 20713), (91, 20767), (92, 20818), (94, 20854), (95, 20881), (98, 20899), (107, 21007), (109, 21022), (113, 21073), (114, 21076), (117, 21148), (119, 21184), (120, 21244), (121, 21250),

Gene: Ruotula_24 Start: 19474, Stop: 21531, Start Num: 2
Candidate Starts for Ruotula_24:
(Start: 2 @19474 has 231 MA's), (6, 19582), (7, 19606), (11, 19684), (20, 19825), (22, 19855), (25, 19897), (42, 20248), (52, 20440), (63, 20584), (64, 20587), (70, 20623), (79, 20752), (87, 20917), (91, 20971), (92, 21022), (94, 21058), (98, 21103), (109, 21226), (113, 21277), (114, 21280), (117, 21352), (119, 21388), (120, 21448), (121, 21454),

Gene: Rutherferd_27 Start: 19517, Stop: 21574, Start Num: 2
Candidate Starts for Rutherferd_27:
(Start: 2 @19517 has 231 MA's), (6, 19625), (7, 19649), (11, 19727), (20, 19868), (22, 19898), (25, 19940), (29, 20033), (42, 20291), (52, 20483), (63, 20627), (64, 20630), (70, 20666), (79, 20795), (87, 20960), (91, 21014), (92, 21065), (94, 21101), (98, 21146), (107, 21254), (109, 21269), (113, 21320), (114, 21323), (117, 21395), (119, 21431), (120, 21491), (121, 21497),

Gene: STLscum_26 Start: 19677, Stop: 21734, Start Num: 2
Candidate Starts for STLscum_26:
(Start: 2 @19677 has 231 MA's), (6, 19785), (7, 19809), (11, 19887), (20, 20028), (22, 20058), (23, 20085), (25, 20100), (29, 20193), (42, 20451), (52, 20643), (63, 20787), (64, 20790), (70, 20826), (73, 20856), (79, 20955), (87, 21120), (91, 21174), (92, 21225), (94, 21261), (95, 21288), (98, 21306), (107, 21414), (109, 21429), (113, 21480), (114, 21483), (117, 21555), (119, 21591), (120, 21651), (121, 21657),

Gene: Sagefire_26 Start: 19710, Stop: 21767, Start Num: 2
Candidate Starts for Sagefire_26:
(Start: 2 @19710 has 231 MA's), (6, 19818), (7, 19842), (11, 19920), (22, 20091), (23, 20118), (25, 20133), (42, 20484), (52, 20676), (63, 20820), (64, 20823), (70, 20859), (73, 20889), (79, 20988), (87, 21153), (91, 21207), (92, 21258), (94, 21294), (98, 21339), (107, 21447), (109, 21462), (113, 21513), (114, 21516), (117, 21588), (119, 21624), (120, 21684), (121, 21690),

Gene: Sandaddy_24 Start: 18823, Stop: 20880, Start Num: 2
Candidate Starts for Sandaddy_24:
(Start: 2 @18823 has 231 MA's), (6, 18931), (7, 18955), (11, 19033), (20, 19174), (22, 19204), (25, 19246), (29, 19339), (42, 19597), (52, 19789), (63, 19933), (64, 19936), (70, 19972), (73, 20002), (79,

20101), (87, 20266), (91, 20320), (92, 20371), (94, 20407), (98, 20452), (107, 20560), (109, 20575), (113, 20626), (114, 20629), (117, 20701), (119, 20737), (120, 20797), (121, 20803),

Gene: Sanya_25 Start: 19485, Stop: 21542, Start Num: 2
Candidate Starts for Sanya_25:
(Start: 2 @19485 has 231 MA's), (6, 19593), (7, 19617), (11, 19695), (20, 19836), (22, 19866), (25, 19908), (29, 20001), (42, 20259), (52, 20451), (63, 20595), (64, 20598), (70, 20634), (79, 20763), (87, 20928), (91, 20982), (92, 21033), (94, 21069), (95, 21096), (98, 21114), (109, 21237), (113, 21288), (114, 21291), (117, 21363), (119, 21399), (120, 21459), (121, 21465),

Gene: SarFire_25 Start: 18963, Stop: 21020, Start Num: 2
Candidate Starts for SarFire_25:
(Start: 2 @18963 has 231 MA's), (6, 19071), (7, 19095), (11, 19173), (20, 19314), (22, 19344), (25, 19386), (42, 19737), (52, 19929), (63, 20073), (70, 20112), (73, 20142), (74, 20151), (79, 20241), (87, 20406), (91, 20460), (92, 20511), (94, 20547), (95, 20574), (98, 20592), (109, 20715), (113, 20766), (114, 20769), (117, 20841), (119, 20877), (120, 20937), (121, 20943),

Gene: Scowl_26 Start: 19545, Stop: 21602, Start Num: 2
Candidate Starts for Scowl_26:
(Start: 2 @19545 has 231 MA's), (6, 19653), (7, 19677), (11, 19755), (20, 19896), (22, 19926), (23, 19953), (25, 19968), (29, 20061), (42, 20319), (52, 20511), (63, 20655), (64, 20658), (70, 20694), (73, 20724), (79, 20823), (87, 20988), (91, 21042), (92, 21093), (94, 21129), (98, 21174), (107, 21282), (109, 21297), (113, 21348), (114, 21351), (117, 21423), (119, 21459), (120, 21519), (121, 21525),

Gene: Seabiscuit_27 Start: 18891, Stop: 20948, Start Num: 2
Candidate Starts for Seabiscuit_27:
(Start: 2 @18891 has 231 MA's), (6, 18999), (7, 19023), (11, 19101), (20, 19242), (22, 19272), (23, 19299), (25, 19314), (29, 19407), (42, 19665), (52, 19857), (63, 20001), (64, 20004), (70, 20040), (73, 20070), (79, 20169), (87, 20334), (91, 20388), (92, 20439), (94, 20475), (98, 20520), (107, 20628), (109, 20643), (113, 20694), (114, 20697), (117, 20769), (119, 20805), (120, 20865), (121, 20871),

Gene: Seanderson_26 Start: 19343, Stop: 21400, Start Num: 2
Candidate Starts for Seanderson_26:
(Start: 2 @19343 has 231 MA's), (6, 19451), (7, 19475), (11, 19553), (20, 19694), (22, 19724), (25, 19766), (29, 19859), (42, 20117), (52, 20309), (63, 20453), (64, 20456), (70, 20492), (79, 20621), (87, 20786), (91, 20840), (92, 20891), (94, 20927), (98, 20972), (107, 21080), (109, 21095), (113, 21146), (114, 21149), (117, 21221), (119, 21257), (120, 21317), (121, 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), (Start: 8 @21132 has 5 MA's), (9, 21171), (10, 21198), (11, 21201), (14, 21243), (25, 21411), (26, 21414), (38, 21705), (42, 21765), (43, 21810), (47, 21906), (51, 21954), (52, 21957), (53, 21972), (55, 21990), (59, 22032), (62, 22089), (67, 22119), (79, 22269), (82, 22314), (83, 22341), (92, 22470), (97, 22548), (100, 22593), (103, 22608), (104, 22632), (108, 22668), (109, 22677), (116, 22773), (118, 22827), (119, 22839), (122, 22929), (123, 22932), (125, 22974),

Gene: ShortQueendom_25 Start: 18783, Stop: 20840, Start Num: 2
Candidate Starts for ShortQueendom_25:
(Start: 2 @18783 has 231 MA's), (6, 18891), (7, 18915), (11, 18993), (20, 19134), (22, 19164), (25, 19206), (29, 19299), (42, 19557), (52, 19749), (63, 19893), (64, 19896), (70, 19932), (73, 19962), (79, 20061), (87, 20226), (91, 20280), (92, 20331), (94, 20367), (98, 20412), (107, 20520), (109, 20535), (113, 20586), (114, 20589), (117, 20661), (119, 20697), (120, 20757), (121, 20763),

Gene: Sibs6_27 Start: 19428, Stop: 21485, Start Num: 2
Candidate Starts for Sibs6_27:
(Start: 2 @19428 has 231 MA's), (6, 19536), (7, 19560), (11, 19638), (20, 19779), (22, 19809), (23, 19836), (25, 19851), (29, 19944), (42, 20202), (52, 20394), (63, 20538), (64, 20541), (70, 20577), (79, 20706), (87, 20871), (91, 20925), (92, 20976), (94, 21012), (109, 21180), (113, 21231), (114, 21234), (117, 21306), (119, 21342), (120, 21402), (121, 21408),

Gene: SkiPole_27 Start: 19189, Stop: 21246, Start Num: 2
Candidate Starts for SkiPole_27:
(Start: 2 @19189 has 231 MA's), (6, 19297), (7, 19321), (11, 19399), (20, 19540), (22, 19570), (25, 19612), (29, 19705), (42, 19963), (52, 20155), (63, 20299), (64, 20302), (70, 20338), (73, 20368), (74, 20377), (79, 20467), (87, 20632), (91, 20686), (92, 20737), (94, 20773), (95, 20800), (98, 20818), (107, 20926), (109, 20941), (113, 20992), (114, 20995), (117, 21067), (119, 21103), (120, 21163), (121, 21169),

Gene: Slagathor_26 Start: 18771, Stop: 20828, Start Num: 2
Candidate Starts for Slagathor_26:
(Start: 2 @18771 has 231 MA's), (6, 18879), (7, 18903), (11, 18981), (20, 19122), (22, 19152), (23, 19179), (25, 19194), (29, 19287), (42, 19545), (52, 19737), (63, 19881), (64, 19884), (70, 19920), (73, 19950), (74, 19959), (79, 20049), (87, 20214), (91, 20268), (92, 20319), (94, 20355), (98, 20400), (107, 20508), (109, 20523), (113, 20574), (114, 20577), (117, 20649), (119, 20685), (120, 20745), (121, 20751),

Gene: Smairt_26 Start: 19603, Stop: 21660, Start Num: 2
Candidate Starts for Smairt_26:
(Start: 2 @19603 has 231 MA's), (6, 19711), (7, 19735), (11, 19813), (20, 19954), (22, 19984), (25, 20026), (42, 20377), (52, 20569), (63, 20713), (64, 20716), (70, 20752), (73, 20782), (79, 20881), (87, 21046), (91, 21100), (92, 21151), (94, 21187), (98, 21232), (107, 21340), (109, 21355), (113, 21406), (114, 21409), (117, 21481), (119, 21517), (120, 21577), (121, 21583),

Gene: Smeagol_27 Start: 20204, Stop: 22261, Start Num: 2
Candidate Starts for Smeagol_27:
(Start: 2 @20204 has 231 MA's), (6, 20312), (7, 20336), (11, 20414), (20, 20555), (22, 20585), (23, 20612), (25, 20627), (29, 20720), (42, 20978), (52, 21170), (63, 21314), (64, 21317), (70, 21353), (73, 21383), (79, 21482), (87, 21647), (91, 21701), (92, 21752), (94, 21788), (98, 21833), (107, 21941), (109, 21956), (113, 22007), (114, 22010), (117, 22082), (119, 22118), (120, 22178), (121, 22184),

Gene: Snazzy_24 Start: 18789, Stop: 20846, Start Num: 2
Candidate Starts for Snazzy_24:
(Start: 2 @18789 has 231 MA's), (6, 18897), (7, 18921), (11, 18999), (20, 19140), (22, 19170), (23, 19197), (25, 19212), (29, 19305), (35, 19452), (42, 19563), (52, 19755), (63, 19899), (64, 19902), (70, 19938), (73, 19968), (79, 20067), (87, 20232), (91, 20286), (92, 20337), (94, 20373), (95, 20400), (98, 20418), (107, 20526), (109, 20541), (113, 20592), (114, 20595), (117, 20667), (119, 20703), (120, 20763), (121, 20769),

Gene: Solon_25 Start: 19454, Stop: 21511, Start Num: 2
Candidate Starts for Solon_25:
(Start: 2 @19454 has 231 MA's), (6, 19562), (7, 19586), (11, 19664), (20, 19805), (22, 19835), (23, 19862), (25, 19877), (29, 19970), (42, 20228), (52, 20420), (63, 20564), (64, 20567), (70, 20603), (79, 20732), (87, 20897), (91, 20951), (92, 21002), (94, 21038), (98, 21083), (107, 21191), (109, 21206), (113, 21257), (114, 21260), (117, 21332), (119, 21368), (120, 21428), (121, 21434),

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

Candidate Starts for Sorpresa_25:
(Start: 2 @18823 has 231 MA's), (6, 18931), (7, 18955), (11, 19033), (20, 19174), (22, 19204), (25, 19246), (29, 19339), (42, 19597), (52, 19789), (63, 19933), (64, 19936), (70, 19972), (73, 20002), (79, 20101), (87, 20266), (91, 20320), (92, 20371), (94, 20407), (98, 20452), (107, 20560), (109, 20575), (113, 20626), (114, 20629), (117, 20701), (119, 20737), (120, 20797), (121, 20803),

Gene: SpikeBT_27 Start: 19759, Stop: 21816, Start Num: 2
Candidate Starts for SpikeBT_27:
(Start: 2 @19759 has 231 MA's), (6, 19867), (7, 19891), (11, 19969), (20, 20110), (22, 20140), (25, 20182), (29, 20275), (42, 20533), (52, 20725), (63, 20869), (64, 20872), (70, 20908), (73, 20938), (79, 21037), (87, 21202), (91, 21256), (92, 21307), (94, 21343), (98, 21388), (107, 21496), (109, 21511), (113, 21562), (114, 21565), (117, 21637), (119, 21673), (120, 21733), (121, 21739),

Gene: Squee_26 Start: 19730, Stop: 21787, Start Num: 2
Candidate Starts for Squee_26:
(Start: 2 @19730 has 231 MA's), (6, 19838), (7, 19862), (11, 19940), (20, 20081), (22, 20111), (25, 20153), (29, 20246), (42, 20504), (52, 20696), (63, 20840), (64, 20843), (70, 20879), (73, 20909), (79, 21008), (87, 21173), (91, 21227), (92, 21278), (94, 21314), (98, 21359), (107, 21467), (109, 21482), (113, 21533), (114, 21536), (117, 21608), (119, 21644), (120, 21704), (121, 21710),

Gene: StewieG_24 Start: 18666, Stop: 20723, Start Num: 2
Candidate Starts for StewieG_24:
(Start: 2 @18666 has 231 MA's), (6, 18774), (7, 18798), (11, 18876), (20, 19017), (22, 19047), (25, 19089), (42, 19440), (52, 19632), (63, 19776), (64, 19779), (70, 19815), (79, 19944), (87, 20109), (91, 20163), (92, 20214), (94, 20250), (98, 20295), (107, 20403), (109, 20418), (113, 20469), (114, 20472), (117, 20544), (119, 20580), (120, 20640), (121, 20646),

Gene: StrongArm_24 Start: 19843, Stop: 21900, Start Num: 2
Candidate Starts for StrongArm_24:
(Start: 2 @19843 has 231 MA's), (6, 19951), (7, 19975), (11, 20053), (22, 20224), (23, 20251), (25, 20266), (29, 20359), (42, 20617), (52, 20809), (63, 20953), (64, 20956), (70, 20992), (79, 21121), (87, 21286), (91, 21340), (92, 21391), (94, 21427), (98, 21472), (109, 21595), (113, 21646), (114, 21649), (117, 21721), (119, 21757), (120, 21817), (121, 21823),

Gene: Sumter_24 Start: 18414, Stop: 20471, Start Num: 2
Candidate Starts for Sumter_24:
(Start: 2 @18414 has 231 MA's), (7, 18546), (11, 18624), (20, 18765), (22, 18795), (23, 18822), (25, 18837), (29, 18930), (42, 19188), (52, 19380), (63, 19524), (64, 19527), (70, 19563), (73, 19593), (79, 19692), (87, 19857), (91, 19911), (92, 19962), (94, 19998), (98, 20043), (107, 20151), (109, 20166), (113, 20217), (114, 20220), (117, 20292), (119, 20328), (120, 20388), (121, 20394),

Gene: Sunshine924_24 Start: 18398, Stop: 20455, Start Num: 2
Candidate Starts for Sunshine924_24:
(Start: 2 @18398 has 231 MA's), (6, 18506), (7, 18530), (11, 18608), (20, 18749), (22, 18779), (25, 18821), (29, 18914), (42, 19172), (52, 19364), (63, 19508), (64, 19511), (70, 19547), (73, 19577), (79, 19676), (87, 19841), (91, 19895), (92, 19946), (94, 19982), (98, 20027), (107, 20135), (109, 20150), (113, 20201), (114, 20204), (117, 20276), (119, 20312), (120, 20372), (121, 20378),

Gene: SwissCheese_26 Start: 19358, Stop: 21415, Start Num: 2
Candidate Starts for SwissCheese_26:
(Start: 2 @19358 has 231 MA's), (6, 19466), (7, 19490), (11, 19568), (22, 19739), (25, 19781), (42, 20132), (52, 20324), (63, 20468), (64, 20471), (70, 20507), (79, 20636), (87, 20801), (91, 20855), (92, 20906), (94, 20942), (98, 20987), (109, 21110), (113, 21161), (114, 21164), (117, 21236), (119,

21272), (120, 21332), (121, 21338),

Gene: Switzer_26 Start: 18997, Stop: 21054, Start Num: 2
Candidate Starts for Switzer_26:
(Start: 2 @18997 has 231 MA's), (6, 19105), (7, 19129), (11, 19207), (20, 19348), (22, 19378), (23, 19405), (25, 19420), (29, 19513), (42, 19771), (52, 19963), (63, 20107), (64, 20110), (70, 20146), (79, 20275), (87, 20440), (91, 20494), (92, 20545), (94, 20581), (98, 20626), (107, 20734), (109, 20749), (113, 20800), (114, 20803), (117, 20875), (119, 20911), (120, 20971), (121, 20977),

Gene: Swole_27 Start: 19327, Stop: 21384, Start Num: 2
Candidate Starts for Swole_27:
(Start: 2 @19327 has 231 MA's), (6, 19435), (7, 19459), (11, 19537), (22, 19708), (23, 19735), (25, 19750), (29, 19843), (42, 20101), (52, 20293), (63, 20437), (64, 20440), (70, 20476), (76, 20548), (79, 20605), (87, 20770), (91, 20824), (92, 20875), (94, 20911), (95, 20938), (98, 20956), (107, 21064), (109, 21079), (113, 21130), (114, 21133), (117, 21205), (119, 21241), (120, 21301), (121, 21307),

Gene: Target_28 Start: 20358, Stop: 22415, Start Num: 2
Candidate Starts for Target_28:
(Start: 2 @20358 has 231 MA's), (6, 20466), (7, 20490), (11, 20568), (20, 20709), (22, 20739), (25, 20781), (29, 20874), (42, 21132), (52, 21324), (63, 21468), (64, 21471), (70, 21507), (73, 21537), (79, 21636), (87, 21801), (91, 21855), (92, 21906), (94, 21942), (98, 21987), (107, 22095), (109, 22110), (113, 22161), (114, 22164), (117, 22236), (119, 22272), (120, 22332), (121, 22338),

Gene: Tasp14_26 Start: 19088, Stop: 21145, Start Num: 2
Candidate Starts for Tasp14_26:
(Start: 2 @19088 has 231 MA's), (6, 19196), (7, 19220), (11, 19298), (20, 19439), (22, 19469), (23, 19496), (25, 19511), (29, 19604), (42, 19862), (52, 20054), (63, 20198), (64, 20201), (70, 20237), (79, 20366), (87, 20531), (91, 20585), (92, 20636), (94, 20672), (95, 20699), (98, 20717), (109, 20840), (113, 20891), (114, 20894), (117, 20966), (119, 21002), (120, 21062), (121, 21068),

Gene: Teodoridan_23 Start: 18231, Stop: 20288, Start Num: 2
Candidate Starts for Teodoridan_23:
(Start: 2 @18231 has 231 MA's), (6, 18339), (7, 18363), (11, 18441), (20, 18582), (22, 18612), (25, 18654), (29, 18747), (35, 18894), (42, 19005), (52, 19197), (63, 19341), (64, 19344), (70, 19380), (73, 19410), (79, 19509), (87, 19674), (91, 19728), (92, 19779), (94, 19815), (98, 19860), (107, 19968), (109, 19983), (113, 20034), (114, 20037), (117, 20109), (119, 20145), (120, 20205), (121, 20211),

Gene: TheloniousMonk_27 Start: 20502, Stop: 22559, Start Num: 2
Candidate Starts for TheloniousMonk_27:
(Start: 2 @20502 has 231 MA's), (6, 20610), (7, 20634), (11, 20712), (20, 20853), (22, 20883), (23, 20910), (25, 20925), (29, 21018), (42, 21276), (52, 21468), (63, 21612), (64, 21615), (70, 21651), (79, 21780), (87, 21945), (91, 21999), (92, 22050), (94, 22086), (98, 22131), (107, 22239), (109, 22254), (113, 22305), (114, 22308), (117, 22380), (119, 22416), (120, 22476), (121, 22482),

Gene: Thor_25 Start: 18963, Stop: 21020, Start Num: 2
Candidate Starts for Thor_25:
(Start: 2 @18963 has 231 MA's), (6, 19071), (7, 19095), (11, 19173), (20, 19314), (22, 19344), (25, 19386), (42, 19737), (52, 19929), (63, 20073), (70, 20112), (73, 20142), (74, 20151), (79, 20241), (87, 20406), (91, 20460), (92, 20511), (94, 20547), (95, 20574), (98, 20592), (109, 20715), (113, 20766), (114, 20769), (117, 20841), (119, 20877), (120, 20937), (121, 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), (14, 21112), (16, 21166), (25, 21280), (26, 21283), (27, 21325), (30, 21415), (34, 21493), (43, 21679), (47, 21775), (48, 21790), (52, 21826), (55, 21859), (56, 21868), (71, 22012), (72, 22015), (76, 22081), (83, 22213), (89, 22294), (97, 22420), (104, 22504), (105, 22507), (106, 22525), (107, 22534), (109, 22549), (112, 22585), (113, 22600), (116, 22645), (118, 22699), (119, 22711), (122, 22801), (124, 22807), (125, 22846),

Gene: Topgun_25 Start: 18716, Stop: 20773, Start Num: 2
Candidate Starts for Topgun_25:
(Start: 2 @18716 has 231 MA's), (6, 18824), (7, 18848), (11, 18926), (20, 19067), (22, 19097), (25, 19139), (29, 19232), (42, 19490), (52, 19682), (63, 19826), (64, 19829), (70, 19865), (73, 19895), (74, 19904), (79, 19994), (87, 20159), (91, 20213), (92, 20264), (94, 20300), (95, 20327), (98, 20345), (109, 20468), (113, 20519), (114, 20522), (117, 20594), (119, 20630), (120, 20690), (121, 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), (Start: 8 @21077 has 5 MA's), (9, 21116), (10, 21143), (11, 21146), (14, 21188), (19, 21278), (25, 21356), (26, 21359), (38, 21650), (42, 21710), (43, 21755), (47, 21851), (51, 21899), (52, 21902), (53, 21917), (55, 21935), (59, 21977), (62, 22034), (67, 22064), (79, 22214), (82, 22259), (83, 22286), (92, 22415), (97, 22493), (100, 22538), (103, 22553), (104, 22577), (108, 22613), (109, 22622), (116, 22718), (118, 22772), (119, 22784), (122, 22874), (123, 22877), (125, 22919),

Gene: Tote_27 Start: 19327, Stop: 21384, Start Num: 2
Candidate Starts for Tote_27:
(Start: 2 @19327 has 231 MA's), (6, 19435), (7, 19459), (11, 19537), (22, 19708), (23, 19735), (25, 19750), (29, 19843), (42, 20101), (52, 20293), (63, 20437), (64, 20440), (70, 20476), (76, 20548), (79, 20605), (87, 20770), (91, 20824), (92, 20875), (94, 20911), (95, 20938), (98, 20956), (107, 21064), (109, 21079), (113, 21130), (114, 21133), (117, 21205), (119, 21241), (120, 21301), (121, 21307),

Gene: Traft412_27 Start: 19806, Stop: 21863, Start Num: 2
Candidate Starts for Traft412_27:
(Start: 2 @19806 has 231 MA's), (6, 19914), (7, 19938), (11, 20016), (22, 20187), (23, 20214), (25, 20229), (29, 20322), (42, 20580), (52, 20772), (63, 20916), (64, 20919), (70, 20955), (79, 21084), (87, 21249), (91, 21303), (92, 21354), (94, 21390), (98, 21435), (107, 21543), (109, 21558), (113, 21609), (114, 21612), (117, 21684), (119, 21720), (120, 21780), (121, 21786),

Gene: Treddle_27 Start: 20118, Stop: 22175, Start Num: 2
Candidate Starts for Treddle_27:
(Start: 2 @20118 has 231 MA's), (6, 20226), (7, 20250), (11, 20328), (20, 20469), (22, 20499), (25, 20541), (29, 20634), (42, 20892), (52, 21084), (63, 21228), (64, 21231), (70, 21267), (79, 21396), (87, 21561), (91, 21615), (92, 21666), (94, 21702), (98, 21747), (107, 21855), (109, 21870), (113, 21921), (114, 21924), (117, 21996), (119, 22032), (120, 22092), (121, 22098),

Gene: Tripl3t_26 Start: 19737, Stop: 21794, Start Num: 2
Candidate Starts for Tripl3t_26:
(Start: 2 @19737 has 231 MA's), (6, 19845), (7, 19869), (11, 19947), (20, 20088), (22, 20118), (25, 20160), (42, 20511), (52, 20703), (63, 20847), (64, 20850), (70, 20886), (79, 21015), (91, 21234), (92, 21285), (94, 21321), (98, 21366), (107, 21474), (109, 21489), (113, 21540), (114, 21543), (117, 21615), (119, 21651), (120, 21711), (121, 21717),

Gene: Trouble_26 Start: 19662, Stop: 21719, Start Num: 2
Candidate Starts for Trouble_26:

(Start: 2 @19662 has 231 MA's), (6, 19770), (7, 19794), (11, 19872), (20, 20013), (22, 20043), (23, 20070), (25, 20085), (29, 20178), (42, 20436), (52, 20628), (63, 20772), (64, 20775), (70, 20811), (79, 20940), (87, 21105), (91, 21159), (92, 21210), (94, 21246), (98, 21291), (107, 21399), (109, 21414), (113, 21465), (114, 21468), (117, 21540), (119, 21576), (120, 21636), (121, 21642),

Gene: Turj99_24 Start: 18602, Stop: 20659, Start Num: 2
Candidate Starts for Turj99_24:
(Start: 2 @18602 has 231 MA's), (6, 18710), (7, 18734), (11, 18812), (20, 18953), (22, 18983), (25, 19025), (29, 19118), (42, 19376), (52, 19568), (63, 19712), (64, 19715), (70, 19751), (79, 19880), (87, 20045), (91, 20099), (92, 20150), (94, 20186), (98, 20231), (107, 20339), (109, 20354), (113, 20405), (114, 20408), (117, 20480), (119, 20516), (120, 20576), (121, 20582),

Gene: TwoPeat_26 Start: 19126, Stop: 21183, Start Num: 2
Candidate Starts for TwoPeat_26:
(Start: 2 @19126 has 231 MA's), (6, 19234), (7, 19258), (11, 19336), (20, 19477), (22, 19507), (25, 19549), (42, 19900), (52, 20092), (63, 20236), (64, 20239), (70, 20275), (73, 20305), (74, 20314), (79, 20404), (87, 20569), (91, 20623), (92, 20674), (94, 20710), (98, 20755), (107, 20863), (109, 20878), (113, 20929), (114, 20932), (117, 21004), (119, 21040), (120, 21100), (121, 21106),

Gene: U2_25 Start: 19003, Stop: 21060, Start Num: 2
Candidate Starts for U2_25:
(Start: 2 @19003 has 231 MA's), (6, 19111), (7, 19135), (11, 19213), (20, 19354), (22, 19384), (23, 19411), (25, 19426), (29, 19519), (42, 19777), (52, 19969), (63, 20113), (64, 20116), (70, 20152), (79, 20281), (87, 20446), (91, 20500), (92, 20551), (94, 20587), (98, 20632), (107, 20740), (109, 20755), (113, 20806), (114, 20809), (117, 20881), (119, 20917), (120, 20977), (121, 20983),

Gene: Violet_24 Start: 19410, Stop: 21467, Start Num: 2
Candidate Starts for Violet_24:
(Start: 2 @19410 has 231 MA's), (6, 19518), (7, 19542), (11, 19620), (20, 19761), (22, 19791), (25, 19833), (42, 20184), (52, 20376), (63, 20520), (64, 20523), (70, 20559), (73, 20589), (74, 20598), (79, 20688), (87, 20853), (91, 20907), (92, 20958), (94, 20994), (95, 21021), (98, 21039), (109, 21162), (113, 21213), (114, 21216), (117, 21288), (119, 21324), (120, 21384), (121, 21390),

Gene: Watermelon_27 Start: 19724, Stop: 21781, Start Num: 2
Candidate Starts for Watermelon_27:
(Start: 2 @19724 has 231 MA's), (6, 19832), (7, 19856), (11, 19934), (20, 20075), (22, 20105), (23, 20132), (25, 20147), (29, 20240), (42, 20498), (52, 20690), (63, 20834), (64, 20837), (70, 20873), (73, 20903), (79, 21002), (87, 21167), (91, 21221), (92, 21272), (94, 21308), (98, 21353), (107, 21461), (109, 21476), (114, 21530), (117, 21602), (119, 21638), (120, 21698), (121, 21704),

Gene: Wheeler_25 Start: 19178, Stop: 21235, Start Num: 2
Candidate Starts for Wheeler_25:
(Start: 2 @19178 has 231 MA's), (6, 19286), (7, 19310), (11, 19388), (20, 19529), (22, 19559), (23, 19586), (25, 19601), (29, 19694), (42, 19952), (52, 20144), (63, 20288), (64, 20291), (70, 20327), (73, 20357), (79, 20456), (87, 20621), (91, 20675), (92, 20726), (94, 20762), (98, 20807), (109, 20930), (113, 20981), (114, 20984), (117, 21056), (119, 21092), (120, 21152), (121, 21158),

Gene: Whitspit_26 Start: 19508, Stop: 21565, Start Num: 2
Candidate Starts for Whitspit_26:
(Start: 2 @19508 has 231 MA's), (6, 19616), (7, 19640), (11, 19718), (20, 19859), (22, 19889), (25, 19931), (29, 20024), (42, 20282), (52, 20474), (63, 20618), (64, 20621), (70, 20657), (73, 20687), (74, 20696), (79, 20786), (87, 20951), (91, 21005), (92, 21056), (94, 21092), (98, 21137), (107, 21245), (109, 21260), (113, 21311), (114, 21314), (117, 21386), (119, 21422), (120, 21482), (121, 21488),

Gene: Wildcat_39 Start: 23668, Stop: 25263, Start Num: 8
Candidate Starts for Wildcat_39:
(Start: 8 @23668 has 5 MA's), (12, 23731), (13, 23737), (15, 23797), (17, 23833), (18, 23842), (21, 23869), (24, 23914), (31, 24037), (32, 24052), (33, 24073), (36, 24151), (37, 24154), (40, 24199), (41, 24220), (44, 24289), (45, 24319), (46, 24349), (50, 24385), (53, 24424), (54, 24430), (57, 24454), (58, 24481), (60, 24505), (61, 24517), (63, 24550), (64, 24553), (66, 24562), (68, 24577), (77, 24688), (78, 24706), (80, 24745), (84, 24826), (85, 24832), (86, 24835), (88, 24886), (90, 24904), (96, 25021), (97, 25030), (99, 25051), (101, 25081), (102, 25084), (115, 25204),

Gene: Wilkins_25 Start: 18716, Stop: 20773, Start Num: 2
Candidate Starts for Wilkins_25:
(Start: 2 @18716 has 231 MA's), (6, 18824), (7, 18848), (11, 18926), (20, 19067), (22, 19097), (25, 19139), (29, 19232), (42, 19490), (52, 19682), (63, 19826), (64, 19829), (70, 19865), (73, 19895), (79, 19994), (87, 20159), (91, 20213), (92, 20264), (94, 20300), (98, 20345), (107, 20453), (109, 20468), (113, 20519), (114, 20522), (117, 20594), (119, 20630), (120, 20690), (121, 20696),

Gene: Zeeculate_25 Start: 19537, Stop: 21594, Start Num: 2
Candidate Starts for Zeeculate_25:
(Start: 2 @19537 has 231 MA's), (6, 19645), (7, 19669), (11, 19747), (20, 19888), (22, 19918), (23, 19945), (25, 19960), (29, 20053), (42, 20311), (52, 20503), (63, 20647), (64, 20650), (70, 20686), (73, 20716), (79, 20815), (87, 20980), (91, 21034), (92, 21085), (94, 21121), (98, 21166), (107, 21274), (109, 21289), (113, 21340), (114, 21343), (117, 21415), (119, 21451), (120, 21511), (121, 21517),

Gene: Zephyr_25 Start: 18957, Stop: 21014, Start Num: 2
Candidate Starts for Zephyr_25:
(Start: 2 @18957 has 231 MA's), (6, 19065), (7, 19089), (11, 19167), (20, 19308), (22, 19338), (25, 19380), (42, 19731), (52, 19923), (63, 20067), (64, 20070), (70, 20106), (73, 20136), (74, 20145), (79, 20235), (87, 20400), (91, 20454), (92, 20505), (94, 20541), (98, 20586), (107, 20694), (109, 20709), (113, 20760), (114, 20763), (117, 20835), (119, 20871), (120, 20931), (121, 20937),

Gene: Zeuska_26 Start: 19391, Stop: 21448, Start Num: 2
Candidate Starts for Zeuska_26:
(Start: 2 @19391 has 231 MA's), (6, 19499), (7, 19523), (11, 19601), (20, 19742), (22, 19772), (25, 19814), (29, 19907), (42, 20165), (52, 20357), (63, 20501), (64, 20504), (70, 20540), (73, 20570), (79, 20669), (87, 20834), (91, 20888), (92, 20939), (94, 20975), (98, 21020), (107, 21128), (109, 21143), (113, 21194), (114, 21197), (117, 21269), (119, 21305), (120, 21365), (121, 21371),