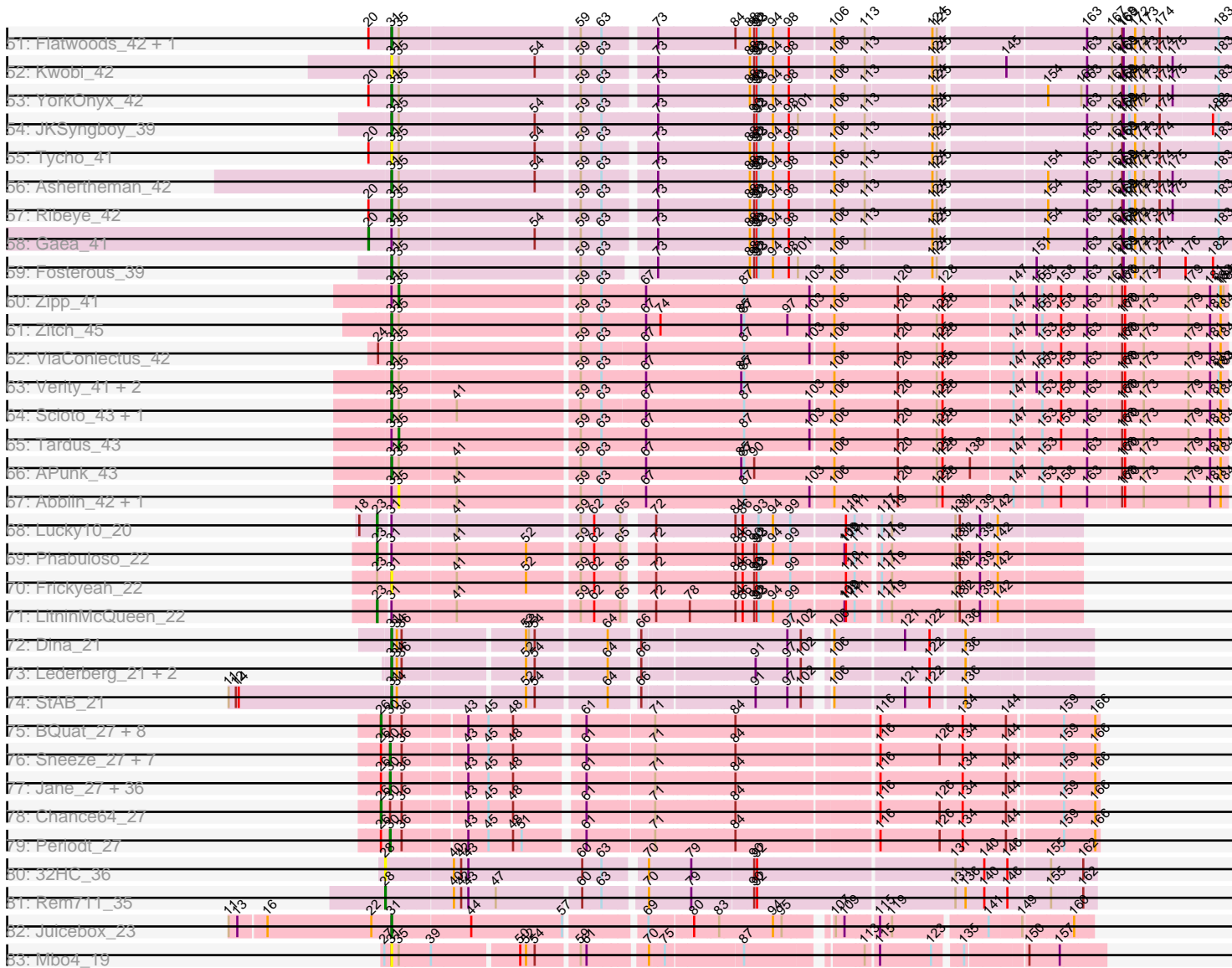


Pham 171126



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 171126 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171126 has 376 members, 37 are drafts.

Phages represented in each track:

- Track 1 : Bluephacebaby_47, Colbert_48, Andre_51, Haimas_48, OliverWalter_48, Virapocalypse_48, CheetO_48
- Track 2 : ABU_49, Beaglebox_47, Kwadwo_47, DoesntMatter_47, LasagnaCat_49, Scrick_48, Haleema_47, Fang_49, Solosis_47, Telesworld_47, Emiris_49, Megatron_49, Swish_49, Omniscient_48, Quisquilliae_48, Xavier_47, Wallhey_47, Slatt_48, DaddyDaniels_48, Samaymay_48, Mikota_48, Vaticameos_44, HighStump_48, CamL_48, Puhltonio_48, Kimbrough_48, CampRoach_49, TomBombadil_48, Fringe_49, Kwksand96_47, Podrick_48, Pherdinand_49, TallGrassMM_48, Dione_47, Buckeye_48, LuckyMarjie_47, Pipsqueak_48, Chaelin_48, Burr_47, Morty_49, Valjean_48, Roscoe_49, RedMaple_48, Simielle_47, Numberten_48, Boehler_48, Maru_47, OSmaximus_49, Bishoperium_47, Yoshand_49, Mcshane_47, Olive_48, Plmatters_48, Tomlarah_48, Waterdiva_48, Jiminy_47, Freya_47, Grand2040_47, Skippy_48, QueenBeane_48, Mana_47, PinheadLarry_48, Sheila_48, Mecca_47, Toni_47, Chah_50, Hocus_47, Serendipity_48, Phareon_48
- Track 3 : Morgushi_48, KingVeVeVe_48, Pops_48, SDcharge11_48, Crownjwl_48, MelsMeow_48
- Track 4 : Hamish_48, JangoPhett_48, Phipps_48, Weher20_48, Altwerkus_47, Dati_48, Etaye_48
- Track 5 : MiniBoss_48, AltPhacts_48
- Track 6 : JakeO_47, Soile_48, Spartan300_48, Badfish_49, Riggan_48, ProfessorX_48, Roliet_48, BlueHusk_48, MRabcd_47, HSavage_48, Iridoclysis_48, Sophia_47, Dingo_48
- Track 7 : PhenghisKhan_47, Mag7_47, BatteryCK_47, Phleuron_47, PhrankReynolds_46, Veritas_47, Magic8_48
- Track 8 : Horchata_48, Oosterbaan_48, Thora_48, Prickles_48, Hertubise_48
- Track 9 : Eremos_48, Murdoc_48
- Track 10 : Chute_47, Timmi_47, Keitherie_48, Charles1_48, Jiraiya_50, Ricotta_48, Gophee_48, Fozzie_47, Cannibal_48, Orwigg_49, Swiphy_50, Doddsville_48, Thunderbird_48, Legolas_48
- Track 11 : Katniss_49, Lulumae_47, Orion_49, Scoot17C_49, PhrodoBaggins_48, IsaacEli_49, Squiggle_48, Kahve_47, HenryJackson_47, FugateOSU_47, JacAttac_49, Nyala_47, Lasso_48, Cornobble_47, Apizium_48, LeiMonet_49, PhatLouie_48, Rimu_50, Lumine_47, Anderson_48, Labeouficaum_47, Maskar_48, CharlieGBrown_47, Struggle_47, Adriana_49, Selr12_50, DuchessDung_47, PG1_49, MrPhizzler_47, Mulan_48, Pinkman_47, FluffyNinja_49, BlackStallion_49, Banjo_47, Windsor_47, Roy17_48, ThreeOh3D2_49, Dice_50, Ashraf_48,

ImtiyazSitla_48, Coletti_47, Eugenia_48, Mutante_47, Trypo_49, Schueller_48, Olak_48, Kikipoo_49, Longacauda_47, Childish_47, Durga_49, Sigman_49, GeneCoco_48

- Track 12 : AbsoluteMadLad_47
- Track 13 : Brilliant_48
- Track 14 : Cobra_48, PhatCats2014_49, Orfeu_48, ShiVal_48, Craff_49, Kloppinator_49, Derpp_47, DelRivs_47, Zonia_48, Inchworm_49, Duggie_47, Lego3393_47, TyrionL_47
- Track 15 : UAch1_48, Hetaeria_48
- Track 16 : Held_48
- Track 17 : Jillium_47, LostAndPhound_47, Mesh1_48, YouGoGlencoco_48, Matalotodo_48, Zaider_49, Placalicious_47, Cosmolli16_47, Zelda_48, Cher_47, MitKao_48, Mosaic_47, UncleHowie_48, True_47, Chorkpop_48, Surely_48, LemonSlice_48
- Track 18 : Vaishali24_47, Harvey_48, Robyn_47, Tooj_48, Serpentine_0048, Aelin_47, Chunky_48, Manad_48, KlimbOn_48, Lopsy_47, Schadenfreude_47, Gyarad_0048, Inverness_48
- Track 19 : DonSanchon_47, Megamind20_48, Pacifista_50
- Track 20 : Potter_47, KingTut_39, Vista_48
- Track 21 : Hartsy_48
- Track 22 : Phamished_49, FriarPreacher_47
- Track 23 : Piglet_0048, Frankicide_48, KLucky39_48, Antonia_47
- Track 24 : Daka_49, Gwilliam_49, Daffy_48
- Track 25 : Soto_48, EmpTee_48
- Track 26 : JDog_47
- Track 27 : DirtJuice_48
- Track 28 : Carthage_46, Vivaldi_49
- Track 29 : Basato_49
- Track 30 : Usavi_48
- Track 31 : Melc17_48
- Track 32 : Nacho_0049
- Track 33 : MichaelPhcott_47
- Track 34 : SassyCat97_47, Giraffe_48, LeeLot_48
- Track 35 : Oline_47
- Track 36 : Nicole21_48, Kailash_48
- Track 37 : Suffolk_48
- Track 38 : Squid_48
- Track 39 : Newman_48
- Track 40 : Braxoaddie_50, CoffeeBean_50, Maselop_50, Polyyuki_50, Apiary_50
- Track 41 : Denise_18
- Track 42 : Bakery_44
- Track 43 : Belphegor_41
- Track 44 : Tangerine_41
- Track 45 : Bizzy_42
- Track 46 : Saronaya_41, Gustavo_41
- Track 47 : Kroos_42
- Track 48 : Baddon_41
- Track 49 : LilHam_39
- Track 50 : SchottB_40, Baumdotcom_40
- Track 51 : Flatwoods_42, Derg_39
- Track 52 : Kwobi_42
- Track 53 : YorkOnyx_42
- Track 54 : JKSyngboy_39

- Track 55 : Tycho_41
- Track 56 : Ashertheman_42
- Track 57 : Ribeye_42
- Track 58 : Gaea_41
- Track 59 : Fosterous_39
- Track 60 : Zipp_41
- Track 61 : Zitch_45
- Track 62 : ViaConlectus_42
- Track 63 : Verity_41, Delrey21_41, DoctorFroggo_41
- Track 64 : Scioto_43, Sampson_42
- Track 65 : Tardus_43
- Track 66 : APunk_43
- Track 67 : Abblin_42, Natkenzie_42
- Track 68 : Lucky10_20
- Track 69 : Phabuloso_22
- Track 70 : Frickyeah_22
- Track 71 : LitninMcQueen_22
- Track 72 : Dina_21
- Track 73 : Lederberg_21, Troy_21, SamW_21
- Track 74 : StAB_21
- Track 75 : BQuat_27, LouisV14_27, Remy19_27, Kareem_27, JorRay_27, CLED96_27, Coleslaw_27, Annihilator_27, ZoMa_27
- Track 76 : Sneeze_27, Aroostook_27, Jonghyun_27, Gideon_27, Hotshotbaby7_27, Jolene_27, Rabbs_27, ECartman_27
- Track 77 : Jane_27, BPs_27, Mowgli_27, PinkYoshi_27, Phish_27, Camri_27, CassieYates_27, Hope_27, Frosty24_27, TomBrady_27, OctaviousRex_27, Renaissance_27, Kasen3_27, Sizemore_27, Olga_27, DNAlll_0027, Cedasite_27, Plagueis_27, Marmie_27, Peeb_27, ShaboiShabazz_27, Cherrybomb426_27, Liefie_27, Gomashi_27, DMoney_27, BruceB_27, Grizzly_27, Phreak_27, Halo_27, Angel_27, Zombie_27, Crespo_27, Darionha_27, Sweets_27, GoldenAsh_27, Avrafan_27, Schiebel_27
- Track 78 : Chance64_27
- Track 79 : Periodt_27
- Track 80 : 32HC_36
- Track 81 : Rem711_35
- Track 82 : Juicebox_23
- Track 83 : Mbo4_19

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

The start number called the most often in the published annotations is 29, it was called in 135 of the 339 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_49, Aelin_47, Altwerkus_47, Badfish_49, Beaglebox_47, Bishoperium_47, BlueHusk_48, Boehler_48, Buckeye_48, Burr_47, CamL_48, CampRoach_49, Chaelin_48, Chah_50, Cher_47, Chorkpop_48, Chunky_48, Cosmolli16_47, DaddyDaniels_48, Dati_48, Dingo_48, Dione_47, DirtJuice_48, DoesntMatter_47, Emiris_49, Eremos_48, Etaye_48, Fang_49, Freya_47, Fringe_49, Giraffe_48, Grand2040_47, Gyarad_0048, HSavage_48, Haleema_47, Hamish_48, Hartsy_48,

Harvey_48, Held_48, Hertubise_48, HighStump_48, Hocus_47, Horchata_48, Inverness_48, Iridoclysis_48, JakeO_47, JangoPhett_48, Jillium_47, Jiminy_47, Kailash_48, Kimbrough_48, KlimbOn_48, Kwadwo_47, Kwksand96_47, LasagnaCat_49, LeeLot_48, LemonSlice_48, Lopsy_47, LostAndPhound_47, LuckyMarjie_47, MRabcd_47, Mana_47, Manad_48, Maru_47, Matalotodo_48, Mcshane_47, Mecca_47, Megatron_49, Mesh1_48, Mikota_48, MitKao_48, Morty_49, Mosaic_47, Murdoc_48, Nacho_0049, Newman_48, Nicole21_48, Numberten_48, OSmaximus_49, Olive_48, Omniscient_48, Oosterbaan_48, Phareon_48, Pherdinand_49, Phipps_48, PinheadLarry_48, Pipsqueak_48, Placalicious_47, Plmatters_48, Podrick_48, Prickles_48, ProfessorX_48, Puhltonio_48, QueenBeane_48, Quisquilliae_48, RedMaple_48, Riggan_48, Robyn_47, Roliet_48, Roscoe_49, Samaymay_48, SassyCat97_47, Schadenfreude_47, Scrick_48, Serendipity_48, Serpentine_0048, Sheila_48, Simielle_47, Skippy_48, Slatt_48, Soile_48, Solosis_47, Sophia_47, Spartan300_48, Surely_48, Swish_49, TallGrassMM_48, Telesworld_47, Thora_48, TomBombadil_48, Tomlarah_48, Toni_47, Tooj_48, True_47, UncleHowie_48, Vaishali24_47, Valjean_48, Vaticameos_44, Wallhey_47, Waterdiva_48, Weher20_48, Xavier_47, Yoshand_49, YouGoGlencoco_48, Zaider_49, Zelda_48,

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

- AbsoluteMadLad_47, Adriana_49, AltPhacts_48, Anderson_48, Andre_51, Antonia_47, Apizium_48, Ashraf_48, Banjo_47, Basato_49, BatteryCK_47, BlackStallion_49, Bluephacebaby_47, Brilliant_48, Cannibal_48, Carthage_46, Charles1_48, CharlieGBrown_47, CheetO_48, Childish_47, Chute_47, Cobra_48, Colbert_48, Coletti_47, Cornobble_47, Craff_49, Crownjwl_48, Daffy_48, Daka_49, DelRivs_47, Derpp_47, Dice_50, Doddsville_48, DonSanchon_47, DuchessDung_47, Duggie_47, Durga_49, EmpTee_48, Eugenia_48, FluffyNinja_49, Fozzie_47, Frankicide_48, FriarPreacher_47, FugateOSU_47, GeneCoco_48, Gophee_48, Gwilliam_49, Haimas_48, HenryJackson_47, Hetaeria_48, ImtiyazSitla_48, Inchworm_49, IsaacEli_49, JDog_47, JacAttac_49, Jiraiya_50, KLucky39_48, Kahve_47, Katniss_49, Keitherie_48, Kikipoo_49, KingTut_39, KingVeVeVe_48, Kloppinator_49, Labeouficaum_47, Lasso_48, Lego3393_47, Legolas_48, LeiMonet_49, Longacauda_47, Lulumae_47, Lumine_47, Mag7_47, Magic8_48, Maskar_48, Megamind20_48, Melc17_48, MelsMeow_48, MichaelPhcott_47, MiniBoss_48, Morgushi_48, MrPhizzler_47, Mulan_48, Mutante_47, Nyala_47, Olak_48, Oline_47, OliverWalter_48, Orfeu_48, Orion_49, Orwigg_49, PG1_49, Pacifista_50, Phamished_49, PhatCats2014_49, PhatLouie_48, PhenghisKhan_47, Phleuron_47, PhrankReynolds_46, PhrodoBaggins_48, Piglet_0048, Pinkman_47, Pops_48, Potter_47, Ricotta_48, Rimu_50, Roy17_48, SDcharge11_48, Schueller_48, Scoot17C_49, Selr12_50, ShiVal_48, Sigman_49, Soto_48, Squid_48, Squiggle_48, Struggle_47, Suffolk_48, Swiphy_50, ThreeOh3D2_49, Thunderbird_48, Timmi_47, Trypo_49, TyrionL_47, UAch1_48, Usavi_48, Veritas_47, Virapocalypse_48, Vista_48, Vivaldi_49, Windsor_47, Zonia_48,

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

- 32HC_36, APunk_43, Abblin_42, Angel_27, Annihilator_27, Apiary_50, Aroostook_27, Ashertheman_42, Avrafan_27, BPs_27, BQuat_27, Baddon_41, Bakery_44, Baumdotcom_40, Belphegor_41, Bizzy_42, Braxoaddie_50, BruceB_27, CLED96_27, Camri_27, CassieYates_27, Cedasite_27, Chance64_27, Cherrybomb426_27, CoffeeBean_50, Coleslaw_27, Crespo_27, DMoney_27, DNAIII_0027, Darionha_27, Delrey21_41, Denise_18, Derg_39, Dina_21, DoctorFroggo_41, ECartman_27, Flatwoods_42, Fosterous_39, Frickyeah_22, Frosty24_27, Gaea_41, Gideon_27, GoldenAsh_27, Gomashi_27, Grizzly_27,

Gustavo_41, Halo_27, Hope_27, Hotshotbaby7_27, JKSyngboy_39, Jane_27, Jolene_27, Jonghyun_27, JorRay_27, Juicebox_23, Kareem_27, Kasen3_27, Kroos_42, Kwobi_42, Lederberg_21, Liefie_27, LilHam_39, LitninMcQueen_22, LouisV14_27, Lucky10_20, Marmie_27, Maselop_50, Mbo4_19, Mowgli_27, Natkenzie_42, OctaviousRex_27, Olga_27, Peeb_27, Periodt_27, Phabuloso_22, Phish_27, Phreak_27, PinkYoshi_27, Plagueis_27, Polyuyuki_50, Rabbs_27, Rem711_35, Remy19_27, Renaissance_27, Ribeye_42, SamW_21, Sampson_42, Saronaya_41, Schiebel_27, SchottB_40, Scioto_43, ShaboiShabazz_27, Sizemore_27, Sneeze_27, StAB_21, Sweets_27, Tangerine_41, Tardus_43, TomBrady_27, Troy_21, Tycho_41, Verity_41, ViaConlectus_42, YorkOnyx_42, Zipp_41, Zitch_45, ZoMa_27, Zombie_27,

Summary by start number:

Start 19:

- Found in 268 of 376 (71.3%) of genes in pham
- Manual Annotations of this start: 24 of 339
- Called 9.3% of time when present
- Phage (with cluster) where this start called: AltPhacts_48 (B1), Carthage_46 (B1), Cobra_48 (B1), Craff_49 (B1), DelRivs_47 (B1), Derpp_47 (B1), Duggie_47 (B1), EmpTee_48 (B1), FriarPreacher_47 (B1), Hetaeria_48 (B1), Inchworm_49 (B1), JDog_47 (B1), Kloppinator_49 (B1), Lego3393_47 (B1), MiniBoss_48 (B1), Orfeu_48 (B1), Phamished_49 (B1), PhatCats2014_49 (B1), ShiVal_48 (B1), Soto_48 (B1), Suffolk_48 (B1), TyrionL_47 (B1), UAch1_48 (B1), Vivaldi_49 (B1), Zonia_48 (B1),

Start 20:

- Found in 13 of 376 (3.5%) of genes in pham
- Manual Annotations of this start: 1 of 339
- Called 7.7% of time when present
- Phage (with cluster) where this start called: Gaea_41 (DE1),

Start 23:

- Found in 5 of 376 (1.3%) of genes in pham
- Manual Annotations of this start: 3 of 339
- Called 60.0% of time when present
- Phage (with cluster) where this start called: LitninMcQueen_22 (DN1), Lucky10_20 (DH), Phabuloso_22 (DN1),

Start 26:

- Found in 56 of 376 (14.9%) of genes in pham
- Manual Annotations of this start: 9 of 339
- Called 17.9% of time when present
- Phage (with cluster) where this start called: Annihilator_27 (G1), BQuat_27 (G1), CLED96_27 (G1), Chance64_27 (G1), Coleslaw_27 (G1), JorRay_27 (G1), Kareem_27 (G1), LouisV14_27 (G1), Remy19_27 (G1), ZoMa_27 (G1),

Start 28:

- Found in 2 of 376 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 339
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 32HC_36 (Z), Rem711_35 (Z),

Start 29:

- Found in 268 of 376 (71.3%) of genes in pham
- Manual Annotations of this start: 135 of 339
- Called 50.7% of time when present
- Phage (with cluster) where this start called: ABU_49 (B1), Aelin_47 (B1), Altwerkus_47 (B1), Badfish_49 (B1), Beaglebox_47 (B1), Bishoperium_47 (B1), BlueHusk_48 (B1), Boehler_48 (B1), Buckeye_48 (B1), Burr_47 (B1), CamL_48 (B1), CampRoach_49 (B1), Chaelin_48 (B1), Chah_50 (B1), Cher_47 (B1), Chorkpop_48 (B1), Chunky_48 (B1), Cosmolli16_47 (B1), DaddyDaniels_48 (B1), Dati_48 (B1), Dingo_48 (B1), Dione_47 (B1), DirtJuice_48 (B1), DoesntMatter_47 (B1), Emiris_49 (B1), Eremos_48 (B1), Etaye_48 (B1), Fang_49 (B1), Freya_47 (B1), Fringe_49 (B1), Giraffe_48 (B1), Grand2040_47 (B1), Gyarad_0048 (B1), HSavage_48 (B1), Haleema_47 (B1), Hamish_48 (B1), Hartsy_48 (B1), Harvey_48 (B1), Held_48 (B1), Hertubise_48 (B1), HighStump_48 (B1), Hocus_47 (B1), Horchata_48 (B1), Inverness_48 (B1), Iridoclysis_48 (B1), JakeO_47 (B1), JangoPhett_48 (B1), Jillium_47 (B1), Jiminy_47 (B1), Kailash_48 (B1), Kimbrough_48 (B1), KlimbOn_48 (B1), Kwadwo_47 (B1), Kwksand96_47 (B1), LasagnaCat_49 (B1), LeeLot_48 (B1), LemonSlice_48 (B1), Lopsy_47 (B1), LostAndPhound_47 (B1), LuckyMarjie_47 (B1), MRabcd_47 (B1), Mana_47 (B1), Manad_48 (B1), Maru_47 (B1), Matalotodo_48 (B1), Mcshane_47 (B1), Mecca_47 (B1), Megatron_49 (B1), Mesh1_48 (B1), Mikota_48 (B1), MitKao_48 (B1), Morty_49 (B1), Mosaic_47 (B1), Murdoc_48 (B1), Nacho_0049 (B1), Newman_48 (B1), Nicole21_48 (B1), Numberten_48 (B1), OSmaximus_49 (B1), Olive_48 (B1), Omniscient_48 (B1), Oosterbaan_48 (B1), Phareon_48 (B1), Pherdinand_49 (B1), Phipps_48 (B1), PinheadLarry_48 (B1), Pipsqueak_48 (B1), Placalicious_47 (B1), Plmatters_48 (B1), Podrick_48 (B1), Prickles_48 (B1), ProfessorX_48 (B1), Puhltonio_48 (B1), QueenBeane_48 (B1), Quisquillae_48 (B1), RedMaple_48 (B1), Riggan_48 (B1), Robyn_47 (B1), Roliet_48 (B1), Roscoe_49 (B1), Samaymay_48 (B1), SassyCat97_47 (B1), Schadenfreude_47 (B1), Scrick_48 (B1), Serendipity_48 (B1), Serpentine_0048 (B1), Sheila_48 (B1), Simielle_47 (B1), Skippy_48 (B1), Slatt_48 (B1), Soile_48 (B1), Solosis_47 (B1), Sophia_47 (B1), Spartan300_48 (B1), Surely_48 (B1), Swish_49 (B1), TallGrassMM_48 (B1), Telesworld_47 (B1), Thora_48 (B1), TomBombadil_48 (B1), Tomlarah_48 (B1), Toni_47 (B1), Tooj_48 (B1), True_47 (B1), UncleHowie_48 (B1), Vaishali24_47 (B1), Valjean_48 (B1), Vaticameos_44 (B1), Wallhey_47 (B1), Waterdiva_48 (B1), Weher20_48 (B1), Xavier_47 (B1), Yoshand_49 (B1), YouGoGlencoco_48 (B1), Zaider_49 (B1), Zelda_48 (B1),

Start 30:

- Found in 56 of 376 (14.9%) of genes in pham
- Manual Annotations of this start: 45 of 339
- Called 82.1% of time when present
- Phage (with cluster) where this start called: Angel_27 (G1), Aroostook_27 (G1), Avrafan_27 (G1), BPs_27 (G1), BruceB_27 (G1), Camri_27 (G1), CassieYates_27 (G1), Cedasite_27 (G1), Cherrybomb426_27 (G1), Crespo_27 (G1), DMoney_27 (G1), DNAll_0027 (G1), Darionha_27 (G1), ECartman_27 (G1), Frosty24_27 (G1), Gideon_27 (G1), GoldenAsh_27 (G1), Gomashi_27 (G1), Grizzly_27 (G1), Halo_27 (G1), Hope_27 (G1), Hotshotbaby7_27 (G1), Jane_27 (G1), Jolene_27 (G1), Jonghyun_27 (G1), Kasen3_27 (G1), Liefie_27 (G1), Marmie_27 (G1), Mowgli_27 (G1), OctaviousRex_27 (G1), Olga_27 (G1), Peeb_27 (G1), Periodt_27 (G1), Phish_27 (G1), Phreak_27 (G1), PinkYoshi_27 (G1), Plagueis_27 (G1), Rabbs_27 (G1), Renaissance_27 (G1), Schiebel_27 (G1), ShaboiShabazz_27 (G1), Sizemore_27 (G1), Sneeze_27 (G1), Sweets_27 (G1), TomBrady_27 (G1), Zombie_27 (G1),

Start 31:

- Found in 45 of 376 (12.0%) of genes in pham
- Manual Annotations of this start: 25 of 339
- Called 80.0% of time when present
- Phage (with cluster) where this start called: APunk_43 (DE4), Ashertheman_42 (DE1), Baddon_41 (DE1), Baumdotcom_40 (DE1), Belphegor_41 (DE), Bizzy_42 (DE1), Delrey21_41 (DE4), Denise_18 (CZ5), Derg_39 (DE1), Dina_21 (EP), DoctorFroggo_41 (DE4), Flatwoods_42 (DE1), Fosterous_39 (DE1), Frickyeah_22 (DN1), Gustavo_41 (DE1), JKSyngboy_39 (DE1), Juicebox_23 (singleton), Kroos_42 (DE1), Kwobi_42 (DE1), Lederberg_21 (EP), LilHam_39 (DE1), Mbo4_19 (singleton), Ribeye_42 (DE1), SamW_21 (EP), Sampson_42 (DE4), Saronaya_41 (DE1), SchottB_40 (DE1), Scioto_43 (DE4), StAB_21 (EP), Tangerine_41 (DE1), Troy_21 (EP), Tycho_41 (DE1), Verity_41 (DE4), ViaConlectus_42 (DE4), YorkOnyx_42 (DE1), Zitch_45 (DE4),

Start 32:

- Found in 268 of 376 (71.3%) of genes in pham
- Manual Annotations of this start: 12 of 339
- Called 7.5% of time when present
- Phage (with cluster) where this start called: Basato_49 (B1), Cannibal_48 (B1), Charles1_48 (B1), Chute_47 (B1), Doddsville_48 (B1), DonSanchon_47 (B1), Fozzie_47 (B1), Gophee_48 (B1), Jiraiya_50 (B1), Keitherie_48 (B1), Legolas_48 (B1), Megamind20_48 (B1), Melc17_48 (B1), MichaelPhcott_47 (B1), Orwigg_49 (B1), Pacifista_50 (B1), Ricotta_48 (B1), Swiphy_50 (B1), Thunderbird_48 (B1), Timmi_47 (B1),

Start 33:

- Found in 5 of 376 (1.3%) of genes in pham
- Manual Annotations of this start: 5 of 339
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apiary_50 (CR), Braxoaddie_50 (CR), CoffeeBean_50 (CR), Maselop_50 (CR), Polygyuki_50 (CR),

Start 35:

- Found in 302 of 376 (80.3%) of genes in pham
- Manual Annotations of this start: 12 of 339
- Called 4.6% of time when present
- Phage (with cluster) where this start called: Abblin_42 (DE4), Antonia_47 (B1), Brilliant_48 (B1), Frankicide_48 (B1), KLucky39_48 (B1), KingTut_39 (B1), Natkenzie_42 (DE4), Oline_47 (B1), Piglet_0048 (B1), Potter_47 (B1), Squid_48 (B1), Tardus_43 (DE4), Vista_48 (B1), Zipp_41 (DE4),

Start 36:

- Found in 275 of 376 (73.1%) of genes in pham
- Manual Annotations of this start: 66 of 339
- Called 28.0% of time when present
- Phage (with cluster) where this start called: AbsoluteMadLad_47 (B1), Adriana_49 (B1), Anderson_48 (B1), Andre_51 (B1), Apizium_48 (B1), Ashraf_48 (B1), Banjo_47 (B1), BatteryCK_47 (B1), BlackStallion_49 (B1), Bluephacebaby_47 (B1), CharlieGBrown_47 (B1), CheetO_48 (B1), Childish_47 (B1), Colbert_48 (B1), Coletti_47 (B1), Cornobble_47 (B1), Crownjwl_48 (B1), Daffy_48 (B1), Daka_49 (B1), Dice_50 (B1), DuchessDung_47 (B1), Durga_49 (B1), Eugenia_48 (B1), FluffyNinja_49 (B1), FugateOSU_47 (B1), GeneCoco_48 (B1), Gwilliam_49 (B1),

Haimas_48 (B1), HenryJackson_47 (B1), ImtiyazSitla_48 (B1), IsaacEli_49 (B1), JacAttac_49 (B1), Kahve_47 (B1), Katniss_49 (B1), Kikipoo_49 (B1), KingVeVeVe_48 (B1), Labeouficaum_47 (B1), Lasso_48 (B1), LeiMonet_49 (B1), Longacauda_47 (B1), Lulumae_47 (B1), Lumine_47 (B1), Mag7_47 (B1), Magic8_48 (B1), Maskar_48 (B1), MelsMeow_48 (B1), Morgushi_48 (B1), MrPhizzler_47 (B1), Mulan_48 (B1), Mutante_47 (B1), Nyala_47 (B1), Olak_48 (B1), OliverWalter_48 (B1), Orion_49 (B1), PG1_49 (B1), PhatLouie_48 (B1), PhenghisKhan_47 (B1), Phleuron_47 (B1), PhrankReynolds_46 (B1), PhrodoBaggins_48 (B1), Pinkman_47 (B1), Pops_48 (B1), Rimu_50 (B1), Roy17_48 (B1), SDcharge11_48 (B1), Schueller_48 (B1), Scoot17C_49 (B1), Selr12_50 (B1), Sigman_49 (B1), Squiggle_48 (B1), Struggle_47 (B1), ThreeOh3D2_49 (B1), Trypo_49 (B1), Usavi_48 (B1), Veritas_47 (B1), Virapocalypse_48 (B1), Windsor_47 (B1),

Start 46:

- Found in 1 of 376 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 339
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bakery_44 (DC1),

Summary by clusters:

There are 13 clusters represented in this pham: singleton, DH, G1, DE1, DE, DE4, CZ5, DN1, B1, CR, Z, EP, DC1,

Info for manual annotations of cluster B1:

- Start number 19 was manually annotated 24 times for cluster B1.
- Start number 29 was manually annotated 135 times for cluster B1.
- Start number 32 was manually annotated 12 times for cluster B1.
- Start number 35 was manually annotated 10 times for cluster B1.
- Start number 36 was manually annotated 66 times for cluster B1.

Info for manual annotations of cluster CR:

- Start number 33 was manually annotated 5 times for cluster CR.

Info for manual annotations of cluster CZ5:

- Start number 31 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster DC1:

- Start number 46 was manually annotated 1 time for cluster DC1.

Info for manual annotations of cluster DE1:

- Start number 20 was manually annotated 1 time for cluster DE1.
- Start number 31 was manually annotated 11 times for cluster DE1.

Info for manual annotations of cluster DE4:

- Start number 31 was manually annotated 7 times for cluster DE4.
- Start number 35 was manually annotated 2 times for cluster DE4.

Info for manual annotations of cluster DH:

- Start number 23 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DN1:

- Start number 23 was manually annotated 2 times for cluster DN1.

Info for manual annotations of cluster EP:

- Start number 31 was manually annotated 5 times for cluster EP.

Info for manual annotations of cluster G1:

- Start number 26 was manually annotated 9 times for cluster G1.
- Start number 30 was manually annotated 45 times for cluster G1.

Info for manual annotations of cluster Z:

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

Gene Information:

Gene: 32HC_36 Start: 27405, Stop: 28772, Start Num: 28

Candidate Starts for 32HC_36:

(Start: 28 @27405 has 1 MA's), (40, 27534), (42, 27549), (43, 27564), (60, 27801), (63, 27840), (70, 27912), (79, 27990), (90, 28101), (92, 28107), (131, 28497), (140, 28554), (146, 28602), (155, 28683), (162, 28746),

Gene: ABU_49 Start: 40509, Stop: 41825, Start Num: 29

Candidate Starts for ABU_49:

(Start: 19 @40470 has 24 MA's), (21, 40479), (Start: 29 @40509 has 135 MA's), (Start: 32 @40518 has 12 MA's), (Start: 35 @40530 has 12 MA's), (Start: 36 @40536 has 66 MA's), (43, 40656), (45, 40698), (48, 40749), (59, 40863), (61, 40875), (67, 40977), (81, 41064), (82, 41067), (86, 41151), (89, 41169), (99, 41244), (105, 41319), (119, 41427), (124, 41505), (125, 41514), (136, 41574), (140, 41610), (146, 41658), (156, 41745),

Gene: APunk_43 Start: 37152, Stop: 38765, Start Num: 31

Candidate Starts for APunk_43:

(Start: 31 @37152 has 25 MA's), (Start: 35 @37167 has 12 MA's), (41, 37275), (59, 37518), (63, 37557), (67, 37644), (85, 37827), (87, 37833), (90, 37851), (106, 38001), (120, 38127), (125, 38202), (128, 38214), (138, 38268), (147, 38343), (153, 38394), (163, 38484), (168, 38550), (170, 38556), (173, 38592), (179, 38685), (181, 38730), (184, 38751),

Gene: Abblin_42 Start: 37710, Stop: 39302, Start Num: 35

Candidate Starts for Abblin_42:

(Start: 31 @37695 has 25 MA's), (Start: 35 @37710 has 12 MA's), (41, 37818), (59, 38061), (63, 38100), (67, 38181), (87, 38370), (103, 38499), (106, 38538), (120, 38664), (125, 38739), (128, 38751), (147, 38880), (153, 38931), (158, 38970), (163, 39021), (168, 39087), (170, 39093), (173, 39129), (179, 39222), (181, 39267), (184, 39288),

Gene: AbsoluteMadLad_47 Start: 40413, Stop: 41702, Start Num: 36

Candidate Starts for AbsoluteMadLad_47:

(Start: 19 @40347 has 24 MA's), (21, 40356), (Start: 29 @40386 has 135 MA's), (Start: 32 @40395 has 12 MA's), (Start: 35 @40407 has 12 MA's), (Start: 36 @40413 has 66 MA's), (43, 40533), (45, 40575), (48, 40626), (59, 40740), (61, 40752), (67, 40854), (81, 40941), (82, 40944), (86, 41028), (89, 41046), (99, 41121), (105, 41196), (113, 41259), (119, 41304), (124, 41382), (125, 41391), (140, 41487), (146, 41535), (156, 41622),

Gene: Adriana_49 Start: 40534, Stop: 41823, Start Num: 36

Candidate Starts for Adriana_49:

(Start: 19 @40468 has 24 MA's), (21, 40477), (Start: 29 @40507 has 135 MA's), (Start: 32 @40516 has 12 MA's), (Start: 35 @40528 has 12 MA's), (Start: 36 @40534 has 66 MA's), (43, 40654), (45, 40696), (48, 40747), (59, 40861), (61, 40873), (67, 40975), (81, 41062), (82, 41065), (86, 41149), (89, 41167), (99, 41242), (105, 41317), (119, 41425), (124, 41503), (125, 41512), (136, 41572), (140, 41608), (146, 41656), (156, 41743),

Gene: Aelin_47 Start: 39938, Stop: 41266, Start Num: 29

Candidate Starts for Aelin_47:

(Start: 19 @39899 has 24 MA's), (21, 39908), (Start: 29 @39938 has 135 MA's), (Start: 32 @39947 has 12 MA's), (Start: 35 @39959 has 12 MA's), (43, 40085), (45, 40127), (48, 40178), (56, 40247), (61, 40304), (67, 40418), (81, 40505), (82, 40508), (86, 40592), (87, 40595), (89, 40610), (99, 40685), (105, 40760), (119, 40868), (124, 40946), (125, 40955), (129, 40970), (136, 41015), (140, 41051), (146, 41099), (156, 41186),

Gene: AltPhacts_48 Start: 40320, Stop: 41675, Start Num: 19

Candidate Starts for AltPhacts_48:

(Start: 19 @40320 has 24 MA's), (21, 40329), (Start: 29 @40359 has 135 MA's), (Start: 32 @40368 has 12 MA's), (Start: 35 @40380 has 12 MA's), (43, 40506), (45, 40548), (48, 40599), (59, 40713), (61, 40725), (67, 40827), (81, 40914), (82, 40917), (86, 41001), (89, 41019), (99, 41094), (105, 41169), (113, 41232), (119, 41277), (124, 41355), (125, 41364), (136, 41424), (140, 41460), (146, 41508), (156, 41595),

Gene: Altwerkus_47 Start: 40065, Stop: 41381, Start Num: 29

Candidate Starts for Altwerkus_47:

(Start: 19 @40026 has 24 MA's), (21, 40035), (Start: 29 @40065 has 135 MA's), (Start: 32 @40074 has 12 MA's), (Start: 35 @40086 has 12 MA's), (Start: 36 @40092 has 66 MA's), (43, 40212), (45, 40254), (48, 40305), (59, 40419), (61, 40431), (67, 40533), (81, 40620), (82, 40623), (86, 40707), (87, 40710), (89, 40725), (99, 40800), (105, 40875), (119, 40983), (124, 41061), (125, 41070), (129, 41085), (136, 41130), (140, 41166), (146, 41214), (156, 41301),

Gene: Anderson_48 Start: 40391, Stop: 41680, Start Num: 36

Candidate Starts for Anderson_48:

(Start: 19 @40325 has 24 MA's), (21, 40334), (Start: 29 @40364 has 135 MA's), (Start: 32 @40373 has 12 MA's), (Start: 35 @40385 has 12 MA's), (Start: 36 @40391 has 66 MA's), (43, 40511), (45, 40553), (48, 40604), (59, 40718), (61, 40730), (67, 40832), (81, 40919), (82, 40922), (86, 41006), (89, 41024), (99, 41099), (105, 41174), (119, 41282), (124, 41360), (125, 41369), (136, 41429), (140, 41465), (146, 41513), (156, 41600),

Gene: Andre_51 Start: 40528, Stop: 41817, Start Num: 36

Candidate Starts for Andre_51:

(Start: 19 @40462 has 24 MA's), (21, 40471), (Start: 29 @40501 has 135 MA's), (Start: 32 @40510 has 12 MA's), (Start: 35 @40522 has 12 MA's), (Start: 36 @40528 has 66 MA's), (43, 40648), (45, 40690), (48, 40741), (59, 40855), (61, 40867), (67, 40969), (81, 41056), (82, 41059), (86, 41143), (87, 41146), (89, 41161), (99, 41236), (105, 41311), (119, 41419), (124, 41497), (125, 41506), (129, 41521), (136, 41566), (140, 41602), (146, 41650), (156, 41737),

Gene: Angel_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Angel_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Annihilator_27 Start: 23861, Stop: 25192, Start Num: 26

Candidate Starts for Annihilator_27:

(Start: 26 @23861 has 9 MA's), (Start: 30 @23876 has 45 MA's), (Start: 36 @23897 has 66 MA's), (43, 24017), (45, 24059), (48, 24110), (61, 24236), (71, 24359), (84, 24509), (116, 24776), (134, 24938), (144, 25025), (159, 25121), (166, 25184),

Gene: Antonia_47 Start: 39959, Stop: 41266, Start Num: 35

Candidate Starts for Antonia_47:

(Start: 19 @39899 has 24 MA's), (21, 39908), (Start: 29 @39938 has 135 MA's), (Start: 32 @39947 has 12 MA's), (Start: 35 @39959 has 12 MA's), (43, 40085), (45, 40127), (48, 40178), (56, 40247), (61, 40304), (67, 40418), (81, 40505), (82, 40508), (86, 40592), (87, 40595), (89, 40610), (99, 40685), (105, 40760), (119, 40868), (124, 40946), (125, 40955), (129, 40970), (136, 41015), (140, 41051), (146, 41099), (156, 41186),

Gene: Apiary_50 Start: 35704, Stop: 37047, Start Num: 33

Candidate Starts for Apiary_50:

(Start: 33 @35704 has 5 MA's), (47, 35902), (49, 35932), (50, 35944), (55, 35983), (59, 36055), (66, 36133), (76, 36175), (77, 36184), (86, 36307), (87, 36310), (93, 36340), (100, 36409), (106, 36457), (123, 36640), (130, 36673), (133, 36703), (137, 36715), (148, 36823), (152, 36868), (164, 36973),

Gene: Apizium_48 Start: 40292, Stop: 41581, Start Num: 36

Candidate Starts for Apizium_48:

(Start: 19 @40226 has 24 MA's), (21, 40235), (Start: 29 @40265 has 135 MA's), (Start: 32 @40274 has 12 MA's), (Start: 35 @40286 has 12 MA's), (Start: 36 @40292 has 66 MA's), (43, 40412), (45, 40454), (48, 40505), (59, 40619), (61, 40631), (67, 40733), (81, 40820), (82, 40823), (86, 40907), (89, 40925), (99, 41000), (105, 41075), (119, 41183), (124, 41261), (125, 41270), (136, 41330), (140, 41366), (146, 41414), (156, 41501),

Gene: Aroostook_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Aroostook_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (126, 24899), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Ashertheman_42 Start: 36687, Stop: 38270, Start Num: 31

Candidate Starts for Ashertheman_42:

(Start: 31 @36687 has 25 MA's), (Start: 35 @36702 has 12 MA's), (54, 36972), (59, 37053), (63, 37092), (73, 37176), (88, 37347), (90, 37356), (92, 37362), (93, 37365), (94, 37395), (98, 37425), (106, 37506), (113, 37566), (124, 37692), (125, 37701), (154, 37905), (163, 37983), (167, 38031), (168, 38052), (169, 38055), (171, 38067), (172, 38079), (173, 38094), (174, 38127), (175, 38154), (183, 38244),

Gene: Ashraf_48 Start: 40093, Stop: 41382, Start Num: 36

Candidate Starts for Ashraf_48:

(Start: 19 @40027 has 24 MA's), (21, 40036), (Start: 29 @40066 has 135 MA's), (Start: 32 @40075 has 12 MA's), (Start: 35 @40087 has 12 MA's), (Start: 36 @40093 has 66 MA's), (43, 40213), (45, 40255), (48, 40306), (59, 40420), (61, 40432), (67, 40534), (81, 40621), (82, 40624), (86, 40708), (89, 40726), (99, 40801), (105, 40876), (119, 40984), (124, 41062), (125, 41071), (136, 41131), (140, 41167), (146, 41215), (156, 41302),

Gene: Avrafan_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Avrafan_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: BPs_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for BPs_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: BQuat_27 Start: 23861, Stop: 25192, Start Num: 26

Candidate Starts for BQuat_27:

(Start: 26 @23861 has 9 MA's), (Start: 30 @23876 has 45 MA's), (Start: 36 @23897 has 66 MA's), (43, 24017), (45, 24059), (48, 24110), (61, 24236), (71, 24359), (84, 24509), (116, 24776), (134, 24938), (144, 25025), (159, 25121), (166, 25184),

Gene: Baddon_41 Start: 37222, Stop: 38805, Start Num: 31

Candidate Starts for Baddon_41:

(Start: 31 @37222 has 25 MA's), (Start: 35 @37237 has 12 MA's), (59, 37588), (63, 37627), (73, 37711), (84, 37855), (87, 37873), (90, 37891), (92, 37897), (93, 37900), (94, 37930), (98, 37960), (106, 38041), (113, 38101), (124, 38227), (125, 38236), (151, 38416), (154, 38440), (161, 38506), (163, 38518), (167, 38566), (168, 38587), (169, 38590), (171, 38602), (172, 38614), (173, 38629), (174, 38662), (183, 38779),

Gene: Badfish_49 Start: 40532, Stop: 41848, Start Num: 29

Candidate Starts for Badfish_49:

(Start: 19 @40493 has 24 MA's), (21, 40502), (Start: 29 @40532 has 135 MA's), (Start: 32 @40541 has 12 MA's), (Start: 35 @40553 has 12 MA's), (Start: 36 @40559 has 66 MA's), (43, 40679), (45, 40721), (48, 40772), (59, 40886), (61, 40898), (67, 41000), (81, 41087), (82, 41090), (86, 41174), (89, 41192), (99, 41267), (105, 41342), (113, 41405), (119, 41450), (124, 41528), (125, 41537), (136, 41597), (140, 41633), (146, 41681), (156, 41768),

Gene: Bakery_44 Start: 34687, Stop: 36054, Start Num: 46

Candidate Starts for Bakery_44:

(Start: 31 @34486 has 25 MA's), (Start: 35 @34501 has 12 MA's), (37, 34522), (38, 34525), (Start: 46 @34687 has 1 MA's), (63, 34891), (73, 34975), (84, 35119), (92, 35161), (93, 35164), (96, 35215), (104, 35290), (106, 35305), (108, 35317), (112, 35362), (127, 35515), (131, 35536), (149, 35647), (165, 35785), (173, 35869), (174, 35902), (178, 35953), (180, 35974),

Gene: Banjo_47 Start: 40090, Stop: 41379, Start Num: 36

Candidate Starts for Banjo_47:

(Start: 19 @40024 has 24 MA's), (21, 40033), (Start: 29 @40063 has 135 MA's), (Start: 32 @40072 has 12 MA's), (Start: 35 @40084 has 12 MA's), (Start: 36 @40090 has 66 MA's), (43, 40210), (45, 40252), (48, 40303), (59, 40417), (61, 40429), (67, 40531), (81, 40618), (82, 40621), (86, 40705), (89, 40723), (99, 40798), (105, 40873), (119, 40981), (124, 41059), (125, 41068), (136, 41128), (140, 41164), (146, 41212), (156, 41299),

Gene: Basato_49 Start: 40657, Stop: 41964, Start Num: 32

Candidate Starts for Basato_49:

(Start: 19 @40609 has 24 MA's), (21, 40618), (Start: 29 @40648 has 135 MA's), (Start: 32 @40657 has 12 MA's), (Start: 35 @40669 has 12 MA's), (Start: 36 @40675 has 66 MA's), (43, 40795), (45, 40837), (48, 40888), (59, 41002), (61, 41014), (67, 41116), (81, 41203), (82, 41206), (86, 41290), (89, 41308), (99, 41383), (105, 41458), (113, 41521), (119, 41566), (124, 41644), (125, 41653), (136,

41713), (140, 41749), (146, 41797), (156, 41884),

Gene: BatteryCK_47 Start: 40018, Stop: 41322, Start Num: 36

Candidate Starts for BatteryCK_47:

(Start: 19 @39952 has 24 MA's), (21, 39961), (Start: 29 @39991 has 135 MA's), (Start: 32 @40000 has 12 MA's), (Start: 35 @40012 has 12 MA's), (Start: 36 @40018 has 66 MA's), (43, 40138), (45, 40180), (48, 40231), (61, 40357), (67, 40471), (68, 40474), (81, 40561), (82, 40564), (86, 40648), (87, 40651), (89, 40666), (99, 40741), (105, 40816), (119, 40924), (124, 41002), (125, 41011), (136, 41071), (140, 41107), (146, 41155), (156, 41242),

Gene: Baumdotcom_40 Start: 36074, Stop: 37657, Start Num: 31

Candidate Starts for Baumdotcom_40:

(Start: 20 @36035 has 1 MA's), (Start: 31 @36074 has 25 MA's), (Start: 35 @36089 has 12 MA's), (54, 36359), (59, 36440), (63, 36479), (73, 36563), (88, 36734), (90, 36743), (92, 36749), (93, 36752), (94, 36782), (98, 36812), (106, 36893), (113, 36953), (124, 37079), (125, 37088), (145, 37214), (163, 37370), (167, 37418), (168, 37439), (169, 37442), (172, 37466), (173, 37481), (174, 37514), (175, 37541), (183, 37631),

Gene: Beaglebox_47 Start: 40084, Stop: 41400, Start Num: 29

Candidate Starts for Beaglebox_47:

(Start: 19 @40045 has 24 MA's), (21, 40054), (Start: 29 @40084 has 135 MA's), (Start: 32 @40093 has 12 MA's), (Start: 35 @40105 has 12 MA's), (Start: 36 @40111 has 66 MA's), (43, 40231), (45, 40273), (48, 40324), (59, 40438), (61, 40450), (67, 40552), (81, 40639), (82, 40642), (86, 40726), (89, 40744), (99, 40819), (105, 40894), (119, 41002), (124, 41080), (125, 41089), (136, 41149), (140, 41185), (146, 41233), (156, 41320),

Gene: Belphegor_41 Start: 37453, Stop: 39072, Start Num: 31

Candidate Starts for Belphegor_41:

(25, 37432), (Start: 31 @37453 has 25 MA's), (Start: 35 @37468 has 12 MA's), (41, 37576), (59, 37819), (63, 37858), (67, 37948), (85, 38131), (87, 38137), (90, 38155), (106, 38305), (114, 38380), (120, 38431), (125, 38506), (143, 38626), (149, 38665), (153, 38698), (161, 38776), (163, 38788), (168, 38854), (170, 38860), (173, 38896), (179, 38989), (181, 39034), (184, 39055),

Gene: Bishoperium_47 Start: 40078, Stop: 41394, Start Num: 29

Candidate Starts for Bishoperium_47:

(Start: 19 @40039 has 24 MA's), (21, 40048), (Start: 29 @40078 has 135 MA's), (Start: 32 @40087 has 12 MA's), (Start: 35 @40099 has 12 MA's), (Start: 36 @40105 has 66 MA's), (43, 40225), (45, 40267), (48, 40318), (59, 40432), (61, 40444), (67, 40546), (81, 40633), (82, 40636), (86, 40720), (89, 40738), (99, 40813), (105, 40888), (119, 40996), (124, 41074), (125, 41083), (136, 41143), (140, 41179), (146, 41227), (156, 41314),

Gene: Bizzy_42 Start: 36382, Stop: 37965, Start Num: 31

Candidate Starts for Bizzy_42:

(Start: 31 @36382 has 25 MA's), (Start: 35 @36397 has 12 MA's), (54, 36667), (59, 36748), (63, 36787), (73, 36871), (88, 37042), (90, 37051), (92, 37057), (93, 37060), (94, 37090), (98, 37120), (106, 37201), (113, 37261), (124, 37387), (125, 37396), (154, 37600), (163, 37678), (167, 37726), (168, 37747), (169, 37750), (171, 37762), (172, 37774), (173, 37789), (174, 37822), (183, 37939),

Gene: BlackStallion_49 Start: 40544, Stop: 41833, Start Num: 36

Candidate Starts for BlackStallion_49:

(Start: 19 @40478 has 24 MA's), (21, 40487), (Start: 29 @40517 has 135 MA's), (Start: 32 @40526 has 12 MA's), (Start: 35 @40538 has 12 MA's), (Start: 36 @40544 has 66 MA's), (43, 40664), (45, 40706), (48, 40757), (59, 40871), (61, 40883), (67, 40985), (81, 41072), (82, 41075), (86, 41159), (89,

41177), (99, 41252), (105, 41327), (119, 41435), (124, 41513), (125, 41522), (136, 41582), (140, 41618), (146, 41666), (156, 41753),

Gene: BlueHusk_48 Start: 39884, Stop: 41200, Start Num: 29

Candidate Starts for BlueHusk_48:

(Start: 19 @39845 has 24 MA's), (21, 39854), (Start: 29 @39884 has 135 MA's), (Start: 32 @39893 has 12 MA's), (Start: 35 @39905 has 12 MA's), (Start: 36 @39911 has 66 MA's), (43, 40031), (45, 40073), (48, 40124), (59, 40238), (61, 40250), (67, 40352), (81, 40439), (82, 40442), (86, 40526), (89, 40544), (99, 40619), (105, 40694), (113, 40757), (119, 40802), (124, 40880), (125, 40889), (136, 40949), (140, 40985), (146, 41033), (156, 41120),

Gene: Bluephacebaby_47 Start: 40108, Stop: 41397, Start Num: 36

Candidate Starts for Bluephacebaby_47:

(Start: 19 @40042 has 24 MA's), (21, 40051), (Start: 29 @40081 has 135 MA's), (Start: 32 @40090 has 12 MA's), (Start: 35 @40102 has 12 MA's), (Start: 36 @40108 has 66 MA's), (43, 40228), (45, 40270), (48, 40321), (59, 40435), (61, 40447), (67, 40549), (81, 40636), (82, 40639), (86, 40723), (87, 40726), (89, 40741), (99, 40816), (105, 40891), (119, 40999), (124, 41077), (125, 41086), (129, 41101), (136, 41146), (140, 41182), (146, 41230), (156, 41317),

Gene: Boehler_48 Start: 40387, Stop: 41703, Start Num: 29

Candidate Starts for Boehler_48:

(Start: 19 @40348 has 24 MA's), (21, 40357), (Start: 29 @40387 has 135 MA's), (Start: 32 @40396 has 12 MA's), (Start: 35 @40408 has 12 MA's), (Start: 36 @40414 has 66 MA's), (43, 40534), (45, 40576), (48, 40627), (59, 40741), (61, 40753), (67, 40855), (81, 40942), (82, 40945), (86, 41029), (89, 41047), (99, 41122), (105, 41197), (119, 41305), (124, 41383), (125, 41392), (136, 41452), (140, 41488), (146, 41536), (156, 41623),

Gene: Braxoaddie_50 Start: 35693, Stop: 37036, Start Num: 33

Candidate Starts for Braxoaddie_50:

(Start: 33 @35693 has 5 MA's), (47, 35891), (49, 35921), (50, 35933), (55, 35972), (59, 36044), (66, 36122), (76, 36164), (77, 36173), (86, 36296), (87, 36299), (93, 36329), (100, 36398), (106, 36446), (123, 36629), (130, 36662), (133, 36692), (137, 36704), (148, 36812), (152, 36857), (164, 36962),

Gene: Brilliant_48 Start: 40101, Stop: 41396, Start Num: 35

Candidate Starts for Brilliant_48:

(Start: 19 @40041 has 24 MA's), (21, 40050), (Start: 29 @40080 has 135 MA's), (Start: 32 @40089 has 12 MA's), (Start: 35 @40101 has 12 MA's), (Start: 36 @40107 has 66 MA's), (43, 40227), (45, 40269), (48, 40320), (59, 40434), (61, 40446), (67, 40548), (81, 40635), (82, 40638), (86, 40722), (89, 40740), (99, 40815), (105, 40890), (113, 40953), (119, 40998), (124, 41076), (125, 41085), (136, 41145), (140, 41181), (146, 41229), (156, 41316),

Gene: BruceB_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for BruceB_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Buckeye_48 Start: 40401, Stop: 41717, Start Num: 29

Candidate Starts for Buckeye_48:

(Start: 19 @40362 has 24 MA's), (21, 40371), (Start: 29 @40401 has 135 MA's), (Start: 32 @40410 has 12 MA's), (Start: 35 @40422 has 12 MA's), (Start: 36 @40428 has 66 MA's), (43, 40548), (45, 40590), (48, 40641), (59, 40755), (61, 40767), (67, 40869), (81, 40956), (82, 40959), (86, 41043), (89, 41061), (99, 41136), (105, 41211), (119, 41319), (124, 41397), (125, 41406), (136, 41466), (140,

41502), (146, 41550), (156, 41637),

Gene: Burr_47 Start: 40075, Stop: 41391, Start Num: 29

Candidate Starts for Burr_47:

(Start: 19 @40036 has 24 MA's), (21, 40045), (Start: 29 @40075 has 135 MA's), (Start: 32 @40084 has 12 MA's), (Start: 35 @40096 has 12 MA's), (Start: 36 @40102 has 66 MA's), (43, 40222), (45, 40264), (48, 40315), (59, 40429), (61, 40441), (67, 40543), (81, 40630), (82, 40633), (86, 40717), (89, 40735), (99, 40810), (105, 40885), (119, 40993), (124, 41071), (125, 41080), (136, 41140), (140, 41176), (146, 41224), (156, 41311),

Gene: CLED96_27 Start: 23870, Stop: 25201, Start Num: 26

Candidate Starts for CLED96_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: CamL_48 Start: 40370, Stop: 41686, Start Num: 29

Candidate Starts for CamL_48:

(Start: 19 @40331 has 24 MA's), (21, 40340), (Start: 29 @40370 has 135 MA's), (Start: 32 @40379 has 12 MA's), (Start: 35 @40391 has 12 MA's), (Start: 36 @40397 has 66 MA's), (43, 40517), (45, 40559), (48, 40610), (59, 40724), (61, 40736), (67, 40838), (81, 40925), (82, 40928), (86, 41012), (89, 41030), (99, 41105), (105, 41180), (119, 41288), (124, 41366), (125, 41375), (136, 41435), (140, 41471), (146, 41519), (156, 41606),

Gene: CampRoach_49 Start: 40504, Stop: 41820, Start Num: 29

Candidate Starts for CampRoach_49:

(Start: 19 @40465 has 24 MA's), (21, 40474), (Start: 29 @40504 has 135 MA's), (Start: 32 @40513 has 12 MA's), (Start: 35 @40525 has 12 MA's), (Start: 36 @40531 has 66 MA's), (43, 40651), (45, 40693), (48, 40744), (59, 40858), (61, 40870), (67, 40972), (81, 41059), (82, 41062), (86, 41146), (89, 41164), (99, 41239), (105, 41314), (119, 41422), (124, 41500), (125, 41509), (136, 41569), (140, 41605), (146, 41653), (156, 41740),

Gene: Camri_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Camri_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Cannibal_48 Start: 40362, Stop: 41669, Start Num: 32

Candidate Starts for Cannibal_48:

(Start: 19 @40314 has 24 MA's), (21, 40323), (Start: 29 @40353 has 135 MA's), (Start: 32 @40362 has 12 MA's), (Start: 35 @40374 has 12 MA's), (Start: 36 @40380 has 66 MA's), (43, 40500), (45, 40542), (48, 40593), (59, 40707), (61, 40719), (67, 40821), (81, 40908), (82, 40911), (86, 40995), (89, 41013), (99, 41088), (105, 41163), (119, 41271), (124, 41349), (125, 41358), (136, 41418), (140, 41454), (146, 41502), (156, 41589),

Gene: Carthage_46 Start: 39249, Stop: 40616, Start Num: 19

Candidate Starts for Carthage_46:

(Start: 19 @39249 has 24 MA's), (21, 39258), (Start: 29 @39288 has 135 MA's), (Start: 32 @39297 has 12 MA's), (Start: 35 @39309 has 12 MA's), (43, 39435), (45, 39477), (48, 39528), (56, 39597), (61, 39654), (67, 39768), (81, 39855), (82, 39858), (86, 39942), (87, 39945), (89, 39960), (99, 40035), (105, 40110), (119, 40218), (124, 40296), (125, 40305), (129, 40320), (136, 40365), (140, 40401), (146, 40449), (156, 40536),

Gene: CassieYates_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for CassieYates_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Cedasite_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Cedasite_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Chaelin_48 Start: 40076, Stop: 41392, Start Num: 29

Candidate Starts for Chaelin_48:

(Start: 19 @40037 has 24 MA's), (21, 40046), (Start: 29 @40076 has 135 MA's), (Start: 32 @40085 has 12 MA's), (Start: 35 @40097 has 12 MA's), (Start: 36 @40103 has 66 MA's), (43, 40223), (45, 40265), (48, 40316), (59, 40430), (61, 40442), (67, 40544), (81, 40631), (82, 40634), (86, 40718), (89, 40736), (99, 40811), (105, 40886), (119, 40994), (124, 41072), (125, 41081), (136, 41141), (140, 41177), (146, 41225), (156, 41312),

Gene: Chah_50 Start: 40531, Stop: 41847, Start Num: 29

Candidate Starts for Chah_50:

(Start: 19 @40492 has 24 MA's), (21, 40501), (Start: 29 @40531 has 135 MA's), (Start: 32 @40540 has 12 MA's), (Start: 35 @40552 has 12 MA's), (Start: 36 @40558 has 66 MA's), (43, 40678), (45, 40720), (48, 40771), (59, 40885), (61, 40897), (67, 40999), (81, 41086), (82, 41089), (86, 41173), (89, 41191), (99, 41266), (105, 41341), (119, 41449), (124, 41527), (125, 41536), (136, 41596), (140, 41632), (146, 41680), (156, 41767),

Gene: Chance64_27 Start: 23870, Stop: 25201, Start Num: 26

Candidate Starts for Chance64_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (126, 24899), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Charles1_48 Start: 40370, Stop: 41677, Start Num: 32

Candidate Starts for Charles1_48:

(Start: 19 @40322 has 24 MA's), (21, 40331), (Start: 29 @40361 has 135 MA's), (Start: 32 @40370 has 12 MA's), (Start: 35 @40382 has 12 MA's), (Start: 36 @40388 has 66 MA's), (43, 40508), (45, 40550), (48, 40601), (59, 40715), (61, 40727), (67, 40829), (81, 40916), (82, 40919), (86, 41003), (89, 41021), (99, 41096), (105, 41171), (119, 41279), (124, 41357), (125, 41366), (136, 41426), (140, 41462), (146, 41510), (156, 41597),

Gene: CharlieGBrown_47 Start: 39978, Stop: 41267, Start Num: 36

Candidate Starts for CharlieGBrown_47:

(Start: 19 @39912 has 24 MA's), (21, 39921), (Start: 29 @39951 has 135 MA's), (Start: 32 @39960 has 12 MA's), (Start: 35 @39972 has 12 MA's), (Start: 36 @39978 has 66 MA's), (43, 40098), (45, 40140), (48, 40191), (59, 40305), (61, 40317), (67, 40419), (81, 40506), (82, 40509), (86, 40593), (89, 40611), (99, 40686), (105, 40761), (119, 40869), (124, 40947), (125, 40956), (136, 41016), (140, 41052), (146, 41100), (156, 41187),

Gene: CheetO_48 Start: 40408, Stop: 41709, Start Num: 36

Candidate Starts for CheetO_48:

(Start: 19 @40342 has 24 MA's), (21, 40351), (Start: 29 @40381 has 135 MA's), (Start: 32 @40390 has 12 MA's), (Start: 35 @40402 has 12 MA's), (Start: 36 @40408 has 66 MA's), (43, 40528), (45, 40570), (48, 40621), (59, 40735), (61, 40747), (67, 40861), (81, 40948), (82, 40951), (86, 41035), (87, 41038), (89, 41053), (99, 41128), (105, 41203), (119, 41311), (124, 41389), (125, 41398), (129, 41413), (136, 41458), (140, 41494), (146, 41542), (156, 41629),

Gene: Cher_47 Start: 40098, Stop: 41414, Start Num: 29

Candidate Starts for Cher_47:

(Start: 19 @40059 has 24 MA's), (21, 40068), (Start: 29 @40098 has 135 MA's), (Start: 32 @40107 has 12 MA's), (Start: 35 @40119 has 12 MA's), (43, 40245), (45, 40287), (48, 40338), (59, 40452), (61, 40464), (67, 40566), (81, 40653), (82, 40656), (86, 40740), (89, 40758), (99, 40833), (105, 40908), (119, 41016), (124, 41094), (125, 41103), (136, 41163), (140, 41199), (146, 41247), (156, 41334),

Gene: Cherrybomb426_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Cherrybomb426_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Childish_47 Start: 40128, Stop: 41417, Start Num: 36

Candidate Starts for Childish_47:

(Start: 19 @40062 has 24 MA's), (21, 40071), (Start: 29 @40101 has 135 MA's), (Start: 32 @40110 has 12 MA's), (Start: 35 @40122 has 12 MA's), (Start: 36 @40128 has 66 MA's), (43, 40248), (45, 40290), (48, 40341), (59, 40455), (61, 40467), (67, 40569), (81, 40656), (82, 40659), (86, 40743), (89, 40761), (99, 40836), (105, 40911), (119, 41019), (124, 41097), (125, 41106), (136, 41166), (140, 41202), (146, 41250), (156, 41337),

Gene: Chorkpop_48 Start: 40097, Stop: 41425, Start Num: 29

Candidate Starts for Chorkpop_48:

(Start: 19 @40058 has 24 MA's), (21, 40067), (Start: 29 @40097 has 135 MA's), (Start: 32 @40106 has 12 MA's), (Start: 35 @40118 has 12 MA's), (43, 40244), (45, 40286), (48, 40337), (59, 40451), (61, 40463), (67, 40577), (81, 40664), (82, 40667), (86, 40751), (89, 40769), (99, 40844), (105, 40919), (119, 41027), (124, 41105), (125, 41114), (136, 41174), (140, 41210), (146, 41258), (156, 41345),

Gene: Chunky_48 Start: 40384, Stop: 41712, Start Num: 29

Candidate Starts for Chunky_48:

(Start: 19 @40345 has 24 MA's), (21, 40354), (Start: 29 @40384 has 135 MA's), (Start: 32 @40393 has 12 MA's), (Start: 35 @40405 has 12 MA's), (43, 40531), (45, 40573), (48, 40624), (56, 40693), (61, 40750), (67, 40864), (81, 40951), (82, 40954), (86, 41038), (87, 41041), (89, 41056), (99, 41131), (105, 41206), (119, 41314), (124, 41392), (125, 41401), (129, 41416), (136, 41461), (140, 41497), (146, 41545), (156, 41632),

Gene: Chute_47 Start: 40434, Stop: 41741, Start Num: 32

Candidate Starts for Chute_47:

(Start: 19 @40386 has 24 MA's), (21, 40395), (Start: 29 @40425 has 135 MA's), (Start: 32 @40434 has 12 MA's), (Start: 35 @40446 has 12 MA's), (Start: 36 @40452 has 66 MA's), (43, 40572), (45, 40614), (48, 40665), (59, 40779), (61, 40791), (67, 40893), (81, 40980), (82, 40983), (86, 41067), (89, 41085), (99, 41160), (105, 41235), (119, 41343), (124, 41421), (125, 41430), (136, 41490), (140, 41526), (146, 41574), (156, 41661),

Gene: Cobra_48 Start: 40343, Stop: 41698, Start Num: 19

Candidate Starts for Cobra_48:

(Start: 19 @40343 has 24 MA's), (21, 40352), (Start: 29 @40382 has 135 MA's), (Start: 32 @40391 has 12 MA's), (Start: 35 @40403 has 12 MA's), (Start: 36 @40409 has 66 MA's), (43, 40529), (45, 40571), (48, 40622), (59, 40736), (61, 40748), (67, 40850), (81, 40937), (82, 40940), (86, 41024), (89, 41042), (99, 41117), (105, 41192), (119, 41300), (124, 41378), (125, 41387), (136, 41447), (140, 41483), (146, 41531), (156, 41618),

Gene: CoffeeBean_50 Start: 35651, Stop: 36994, Start Num: 33

Candidate Starts for CoffeeBean_50:

(Start: 33 @35651 has 5 MA's), (47, 35849), (49, 35879), (50, 35891), (55, 35930), (59, 36002), (66, 36080), (76, 36122), (77, 36131), (86, 36254), (87, 36257), (93, 36287), (100, 36356), (106, 36404), (123, 36587), (130, 36620), (133, 36650), (137, 36662), (148, 36770), (152, 36815), (164, 36920),

Gene: Colbert_48 Start: 40464, Stop: 41765, Start Num: 36

Candidate Starts for Colbert_48:

(Start: 19 @40398 has 24 MA's), (21, 40407), (Start: 29 @40437 has 135 MA's), (Start: 32 @40446 has 12 MA's), (Start: 35 @40458 has 12 MA's), (Start: 36 @40464 has 66 MA's), (43, 40584), (45, 40626), (48, 40677), (59, 40791), (61, 40803), (67, 40917), (81, 41004), (82, 41007), (86, 41091), (87, 41094), (89, 41109), (99, 41184), (105, 41259), (119, 41367), (124, 41445), (125, 41454), (129, 41469), (136, 41514), (140, 41550), (146, 41598), (156, 41685),

Gene: Coleslaw_27 Start: 23861, Stop: 25192, Start Num: 26

Candidate Starts for Coleslaw_27:

(Start: 26 @23861 has 9 MA's), (Start: 30 @23876 has 45 MA's), (Start: 36 @23897 has 66 MA's), (43, 24017), (45, 24059), (48, 24110), (61, 24236), (71, 24359), (84, 24509), (116, 24776), (134, 24938), (144, 25025), (159, 25121), (166, 25184),

Gene: Coletti_47 Start: 40452, Stop: 41741, Start Num: 36

Candidate Starts for Coletti_47:

(Start: 19 @40386 has 24 MA's), (21, 40395), (Start: 29 @40425 has 135 MA's), (Start: 32 @40434 has 12 MA's), (Start: 35 @40446 has 12 MA's), (Start: 36 @40452 has 66 MA's), (43, 40572), (45, 40614), (48, 40665), (59, 40779), (61, 40791), (67, 40893), (81, 40980), (82, 40983), (86, 41067), (89, 41085), (99, 41160), (105, 41235), (119, 41343), (124, 41421), (125, 41430), (136, 41490), (140, 41526), (146, 41574), (156, 41661),

Gene: Cornobble_47 Start: 39966, Stop: 41255, Start Num: 36

Candidate Starts for Cornobble_47:

(Start: 19 @39900 has 24 MA's), (21, 39909), (Start: 29 @39939 has 135 MA's), (Start: 32 @39948 has 12 MA's), (Start: 35 @39960 has 12 MA's), (Start: 36 @39966 has 66 MA's), (43, 40086), (45, 40128), (48, 40179), (59, 40293), (61, 40305), (67, 40407), (81, 40494), (82, 40497), (86, 40581), (89, 40599), (99, 40674), (105, 40749), (119, 40857), (124, 40935), (125, 40944), (136, 41004), (140, 41040), (146, 41088), (156, 41175),

Gene: Cosmolli16_47 Start: 40089, Stop: 41405, Start Num: 29

Candidate Starts for Cosmolli16_47:

(Start: 19 @40050 has 24 MA's), (21, 40059), (Start: 29 @40089 has 135 MA's), (Start: 32 @40098 has 12 MA's), (Start: 35 @40110 has 12 MA's), (43, 40236), (45, 40278), (48, 40329), (59, 40443), (61, 40455), (67, 40557), (81, 40644), (82, 40647), (86, 40731), (89, 40749), (99, 40824), (105, 40899), (119, 41007), (124, 41085), (125, 41094), (136, 41154), (140, 41190), (146, 41238), (156, 41325),

Gene: Craff_49 Start: 40478, Stop: 41833, Start Num: 19

Candidate Starts for Craff_49:

(Start: 19 @40478 has 24 MA's), (21, 40487), (Start: 29 @40517 has 135 MA's), (Start: 32 @40526 has 12 MA's), (Start: 35 @40538 has 12 MA's), (Start: 36 @40544 has 66 MA's), (43, 40664), (45,

40706), (48, 40757), (59, 40871), (61, 40883), (67, 40985), (81, 41072), (82, 41075), (86, 41159), (89, 41177), (99, 41252), (105, 41327), (119, 41435), (124, 41513), (125, 41522), (136, 41582), (140, 41618), (146, 41666), (156, 41753),

Gene: Crespo_27 Start: 23886, Stop: 25202, Start Num: 30

Candidate Starts for Crespo_27:

(Start: 26 @23871 has 9 MA's), (Start: 30 @23886 has 45 MA's), (Start: 36 @23907 has 66 MA's), (43, 24027), (45, 24069), (48, 24120), (61, 24246), (71, 24369), (84, 24519), (116, 24786), (134, 24948), (144, 25035), (159, 25131), (166, 25194),

Gene: Crownjwl_48 Start: 40185, Stop: 41474, Start Num: 36

Candidate Starts for Crownjwl_48:

(Start: 19 @40119 has 24 MA's), (21, 40128), (Start: 29 @40158 has 135 MA's), (Start: 32 @40167 has 12 MA's), (Start: 35 @40179 has 12 MA's), (Start: 36 @40185 has 66 MA's), (43, 40305), (45, 40347), (48, 40398), (59, 40512), (61, 40524), (67, 40626), (81, 40713), (82, 40716), (86, 40800), (89, 40818), (99, 40893), (105, 40968), (113, 41031), (119, 41076), (124, 41154), (125, 41163), (136, 41223), (140, 41259), (146, 41307), (156, 41394),

Gene: DMoney_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for DMoney_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: DNAIII_0027 Start: 23636, Stop: 24952, Start Num: 30

Candidate Starts for DNAIII_0027:

(Start: 26 @23621 has 9 MA's), (Start: 30 @23636 has 45 MA's), (Start: 36 @23657 has 66 MA's), (43, 23777), (45, 23819), (48, 23870), (61, 23996), (71, 24119), (84, 24269), (116, 24536), (134, 24698), (144, 24785), (159, 24881), (166, 24944),

Gene: DaddyDaniels_48 Start: 40070, Stop: 41386, Start Num: 29

Candidate Starts for DaddyDaniels_48:

(Start: 19 @40031 has 24 MA's), (21, 40040), (Start: 29 @40070 has 135 MA's), (Start: 32 @40079 has 12 MA's), (Start: 35 @40091 has 12 MA's), (Start: 36 @40097 has 66 MA's), (43, 40217), (45, 40259), (48, 40310), (59, 40424), (61, 40436), (67, 40538), (81, 40625), (82, 40628), (86, 40712), (89, 40730), (99, 40805), (105, 40880), (119, 40988), (124, 41066), (125, 41075), (136, 41135), (140, 41171), (146, 41219), (156, 41306),

Gene: Daffy_48 Start: 40122, Stop: 41411, Start Num: 36

Candidate Starts for Daffy_48:

(Start: 19 @40056 has 24 MA's), (21, 40065), (Start: 29 @40095 has 135 MA's), (Start: 32 @40104 has 12 MA's), (Start: 35 @40116 has 12 MA's), (Start: 36 @40122 has 66 MA's), (43, 40242), (45, 40284), (48, 40335), (59, 40449), (61, 40461), (67, 40563), (81, 40650), (82, 40653), (86, 40737), (87, 40740), (89, 40755), (99, 40830), (105, 40905), (119, 41013), (124, 41091), (125, 41100), (136, 41160), (140, 41196), (146, 41244), (156, 41331),

Gene: Daka_49 Start: 40401, Stop: 41690, Start Num: 36

Candidate Starts for Daka_49:

(Start: 19 @40335 has 24 MA's), (21, 40344), (Start: 29 @40374 has 135 MA's), (Start: 32 @40383 has 12 MA's), (Start: 35 @40395 has 12 MA's), (Start: 36 @40401 has 66 MA's), (43, 40521), (45, 40563), (48, 40614), (59, 40728), (61, 40740), (67, 40842), (81, 40929), (82, 40932), (86, 41016), (87, 41019), (89, 41034), (99, 41109), (105, 41184), (119, 41292), (124, 41370), (125, 41379), (136, 41439), (140, 41475), (146, 41523), (156, 41610),

Gene: Darionha_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Darionha_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Dati_48 Start: 40098, Stop: 41414, Start Num: 29

Candidate Starts for Dati_48:

(Start: 19 @40059 has 24 MA's), (21, 40068), (Start: 29 @40098 has 135 MA's), (Start: 32 @40107 has 12 MA's), (Start: 35 @40119 has 12 MA's), (Start: 36 @40125 has 66 MA's), (43, 40245), (45, 40287), (48, 40338), (59, 40452), (61, 40464), (67, 40566), (81, 40653), (82, 40656), (86, 40740), (87, 40743), (89, 40758), (99, 40833), (105, 40908), (119, 41016), (124, 41094), (125, 41103), (129, 41118), (136, 41163), (140, 41199), (146, 41247), (156, 41334),

Gene: DelRivs_47 Start: 40063, Stop: 41418, Start Num: 19

Candidate Starts for DelRivs_47:

(Start: 19 @40063 has 24 MA's), (21, 40072), (Start: 29 @40102 has 135 MA's), (Start: 32 @40111 has 12 MA's), (Start: 35 @40123 has 12 MA's), (Start: 36 @40129 has 66 MA's), (43, 40249), (45, 40291), (48, 40342), (59, 40456), (61, 40468), (67, 40570), (81, 40657), (82, 40660), (86, 40744), (89, 40762), (99, 40837), (105, 40912), (119, 41020), (124, 41098), (125, 41107), (136, 41167), (140, 41203), (146, 41251), (156, 41338),

Gene: Delrey21_41 Start: 37882, Stop: 39492, Start Num: 31

Candidate Starts for Delrey21_41:

(Start: 31 @37882 has 25 MA's), (Start: 35 @37897 has 12 MA's), (59, 38248), (63, 38287), (67, 38371), (85, 38554), (87, 38560), (106, 38728), (120, 38854), (125, 38929), (128, 38941), (147, 39070), (151, 39109), (153, 39121), (158, 39160), (163, 39211), (168, 39277), (170, 39283), (173, 39319), (179, 39412), (181, 39457), (183, 39475), (184, 39478),

Gene: Denise_18 Start: 16581, Stop: 17858, Start Num: 31

Candidate Starts for Denise_18:

(17, 16434), (Start: 23 @16566 has 3 MA's), (Start: 31 @16581 has 25 MA's), (41, 16704), (52, 16848), (58, 16941), (59, 16947), (62, 16971), (65, 17022), (72, 17061), (84, 17211), (86, 17226), (90, 17247), (92, 17253), (93, 17256), (99, 17319), (109, 17418), (110, 17421), (111, 17439), (117, 17478), (119, 17496), (131, 17622), (132, 17631), (139, 17670), (142, 17697),

Gene: Derg_39 Start: 35972, Stop: 37555, Start Num: 31

Candidate Starts for Derg_39:

(Start: 20 @35933 has 1 MA's), (Start: 31 @35972 has 25 MA's), (Start: 35 @35987 has 12 MA's), (59, 36338), (63, 36377), (73, 36461), (84, 36605), (88, 36632), (90, 36641), (92, 36647), (93, 36650), (94, 36680), (98, 36710), (106, 36791), (113, 36851), (124, 36977), (125, 36986), (163, 37268), (167, 37316), (168, 37337), (169, 37340), (172, 37364), (173, 37379), (174, 37412), (183, 37529),

Gene: Derpp_47 Start: 39901, Stop: 41256, Start Num: 19

Candidate Starts for Derpp_47:

(Start: 19 @39901 has 24 MA's), (21, 39910), (Start: 29 @39940 has 135 MA's), (Start: 32 @39949 has 12 MA's), (Start: 35 @39961 has 12 MA's), (Start: 36 @39967 has 66 MA's), (43, 40087), (45, 40129), (48, 40180), (59, 40294), (61, 40306), (67, 40408), (81, 40495), (82, 40498), (86, 40582), (89, 40600), (99, 40675), (105, 40750), (119, 40858), (124, 40936), (125, 40945), (136, 41005), (140, 41041), (146, 41089), (156, 41176),

Gene: Dice_50 Start: 40093, Stop: 41382, Start Num: 36

Candidate Starts for Dice_50:

(Start: 19 @40027 has 24 MA's), (21, 40036), (Start: 29 @40066 has 135 MA's), (Start: 32 @40075 has 12 MA's), (Start: 35 @40087 has 12 MA's), (Start: 36 @40093 has 66 MA's), (43, 40213), (45, 40255), (48, 40306), (59, 40420), (61, 40432), (67, 40534), (81, 40621), (82, 40624), (86, 40708), (89, 40726), (99, 40801), (105, 40876), (119, 40984), (124, 41062), (125, 41071), (136, 41131), (140, 41167), (146, 41215), (156, 41302),

Gene: Dina_21 Start: 19817, Stop: 21049, Start Num: 31

Candidate Starts for Dina_21:

(Start: 31 @19817 has 25 MA's), (34, 19826), (Start: 36 @19832 has 66 MA's), (52, 20063), (53, 20069), (54, 20081), (64, 20210), (66, 20258), (97, 20522), (102, 20546), (106, 20579), (121, 20705), (122, 20756), (136, 20819),

Gene: Dingo_48 Start: 40365, Stop: 41681, Start Num: 29

Candidate Starts for Dingo_48:

(Start: 19 @40326 has 24 MA's), (21, 40335), (Start: 29 @40365 has 135 MA's), (Start: 32 @40374 has 12 MA's), (Start: 35 @40386 has 12 MA's), (Start: 36 @40392 has 66 MA's), (43, 40512), (45, 40554), (48, 40605), (59, 40719), (61, 40731), (67, 40833), (81, 40920), (82, 40923), (86, 41007), (89, 41025), (99, 41100), (105, 41175), (113, 41238), (119, 41283), (124, 41361), (125, 41370), (136, 41430), (140, 41466), (146, 41514), (156, 41601),

Gene: Dione_47 Start: 40074, Stop: 41390, Start Num: 29

Candidate Starts for Dione_47:

(Start: 19 @40035 has 24 MA's), (21, 40044), (Start: 29 @40074 has 135 MA's), (Start: 32 @40083 has 12 MA's), (Start: 35 @40095 has 12 MA's), (Start: 36 @40101 has 66 MA's), (43, 40221), (45, 40263), (48, 40314), (59, 40428), (61, 40440), (67, 40542), (81, 40629), (82, 40632), (86, 40716), (89, 40734), (99, 40809), (105, 40884), (119, 40992), (124, 41070), (125, 41079), (136, 41139), (140, 41175), (146, 41223), (156, 41310),

Gene: DirtJuice_48 Start: 40364, Stop: 41680, Start Num: 29

Candidate Starts for DirtJuice_48:

(Start: 19 @40325 has 24 MA's), (21, 40334), (Start: 29 @40364 has 135 MA's), (Start: 32 @40373 has 12 MA's), (Start: 35 @40385 has 12 MA's), (43, 40511), (45, 40553), (48, 40604), (56, 40673), (61, 40730), (67, 40832), (81, 40919), (82, 40922), (86, 41006), (89, 41024), (99, 41099), (105, 41174), (119, 41282), (124, 41360), (125, 41369), (129, 41384), (136, 41429), (140, 41465), (146, 41513), (156, 41600),

Gene: DoctorFroggo_41 Start: 37882, Stop: 39492, Start Num: 31

Candidate Starts for DoctorFroggo_41:

(Start: 31 @37882 has 25 MA's), (Start: 35 @37897 has 12 MA's), (59, 38248), (63, 38287), (67, 38371), (85, 38554), (87, 38560), (106, 38728), (120, 38854), (125, 38929), (128, 38941), (147, 39070), (151, 39109), (153, 39121), (158, 39160), (163, 39211), (168, 39277), (170, 39283), (173, 39319), (179, 39412), (181, 39457), (183, 39475), (184, 39478),

Gene: Doddsville_48 Start: 40103, Stop: 41410, Start Num: 32

Candidate Starts for Doddsville_48:

(Start: 19 @40055 has 24 MA's), (21, 40064), (Start: 29 @40094 has 135 MA's), (Start: 32 @40103 has 12 MA's), (Start: 35 @40115 has 12 MA's), (Start: 36 @40121 has 66 MA's), (43, 40241), (45, 40283), (48, 40334), (59, 40448), (61, 40460), (67, 40562), (81, 40649), (82, 40652), (86, 40736), (89, 40754), (99, 40829), (105, 40904), (119, 41012), (124, 41090), (125, 41099), (136, 41159), (140, 41195), (146, 41243), (156, 41330),

Gene: DoesntMatter_47 Start: 40367, Stop: 41683, Start Num: 29

Candidate Starts for DoesntMatter_47:

(Start: 19 @40328 has 24 MA's), (21, 40337), (Start: 29 @40367 has 135 MA's), (Start: 32 @40376 has 12 MA's), (Start: 35 @40388 has 12 MA's), (Start: 36 @40394 has 66 MA's), (43, 40514), (45, 40556), (48, 40607), (59, 40721), (61, 40733), (67, 40835), (81, 40922), (82, 40925), (86, 41009), (89, 41027), (99, 41102), (105, 41177), (119, 41285), (124, 41363), (125, 41372), (136, 41432), (140, 41468), (146, 41516), (156, 41603),

Gene: DonSanchon_47 Start: 40086, Stop: 41393, Start Num: 32

Candidate Starts for DonSanchon_47:

(Start: 19 @40038 has 24 MA's), (21, 40047), (Start: 29 @40077 has 135 MA's), (Start: 32 @40086 has 12 MA's), (Start: 35 @40098 has 12 MA's), (43, 40224), (45, 40266), (48, 40317), (59, 40431), (61, 40443), (67, 40545), (81, 40632), (82, 40635), (86, 40719), (89, 40737), (99, 40812), (105, 40887), (119, 40995), (124, 41073), (125, 41082), (136, 41142), (140, 41178), (146, 41226), (156, 41313),

Gene: DuchessDung_47 Start: 39393, Stop: 40682, Start Num: 36

Candidate Starts for DuchessDung_47:

(Start: 19 @39327 has 24 MA's), (21, 39336), (Start: 29 @39366 has 135 MA's), (Start: 32 @39375 has 12 MA's), (Start: 35 @39387 has 12 MA's), (Start: 36 @39393 has 66 MA's), (43, 39513), (45, 39555), (48, 39606), (59, 39720), (61, 39732), (67, 39834), (81, 39921), (82, 39924), (86, 40008), (89, 40026), (99, 40101), (105, 40176), (119, 40284), (124, 40362), (125, 40371), (136, 40431), (140, 40467), (146, 40515), (156, 40602),

Gene: Duggie_47 Start: 40057, Stop: 41412, Start Num: 19

Candidate Starts for Duggie_47:

(Start: 19 @40057 has 24 MA's), (21, 40066), (Start: 29 @40096 has 135 MA's), (Start: 32 @40105 has 12 MA's), (Start: 35 @40117 has 12 MA's), (Start: 36 @40123 has 66 MA's), (43, 40243), (45, 40285), (48, 40336), (59, 40450), (61, 40462), (67, 40564), (81, 40651), (82, 40654), (86, 40738), (89, 40756), (99, 40831), (105, 40906), (119, 41014), (124, 41092), (125, 41101), (136, 41161), (140, 41197), (146, 41245), (156, 41332),

Gene: Durga_49 Start: 40559, Stop: 41848, Start Num: 36

Candidate Starts for Durga_49:

(Start: 19 @40493 has 24 MA's), (21, 40502), (Start: 29 @40532 has 135 MA's), (Start: 32 @40541 has 12 MA's), (Start: 35 @40553 has 12 MA's), (Start: 36 @40559 has 66 MA's), (43, 40679), (45, 40721), (48, 40772), (59, 40886), (61, 40898), (67, 41000), (81, 41087), (82, 41090), (86, 41174), (89, 41192), (99, 41267), (105, 41342), (119, 41450), (124, 41528), (125, 41537), (136, 41597), (140, 41633), (146, 41681), (156, 41768),

Gene: ECartman_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for ECartman_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (126, 24899), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Emiris_49 Start: 40500, Stop: 41816, Start Num: 29

Candidate Starts for Emiris_49:

(Start: 19 @40461 has 24 MA's), (21, 40470), (Start: 29 @40500 has 135 MA's), (Start: 32 @40509 has 12 MA's), (Start: 35 @40521 has 12 MA's), (Start: 36 @40527 has 66 MA's), (43, 40647), (45, 40689), (48, 40740), (59, 40854), (61, 40866), (67, 40968), (81, 41055), (82, 41058), (86, 41142), (89, 41160), (99, 41235), (105, 41310), (119, 41418), (124, 41496), (125, 41505), (136, 41565), (140, 41601), (146, 41649), (156, 41736),

Gene: EmpTee_48 Start: 40341, Stop: 41696, Start Num: 19

Candidate Starts for EmpTee_48:

(Start: 19 @40341 has 24 MA's), (21, 40350), (Start: 29 @40380 has 135 MA's), (Start: 32 @40389 has 12 MA's), (Start: 35 @40401 has 12 MA's), (Start: 36 @40407 has 66 MA's), (43, 40527), (45, 40569), (48, 40620), (59, 40734), (61, 40746), (67, 40848), (81, 40935), (82, 40938), (86, 41022), (89, 41040), (99, 41115), (105, 41190), (113, 41253), (119, 41298), (124, 41376), (125, 41385), (136, 41445), (140, 41481), (146, 41529), (156, 41616),

Gene: Eremos_48 Start: 40373, Stop: 41689, Start Num: 29

Candidate Starts for Eremos_48:

(Start: 19 @40334 has 24 MA's), (21, 40343), (Start: 29 @40373 has 135 MA's), (Start: 32 @40382 has 12 MA's), (Start: 35 @40394 has 12 MA's), (Start: 36 @40400 has 66 MA's), (43, 40520), (45, 40562), (48, 40613), (59, 40727), (61, 40739), (67, 40841), (81, 40928), (82, 40931), (86, 41015), (89, 41033), (99, 41108), (105, 41183), (119, 41291), (124, 41369), (125, 41378), (129, 41393), (136, 41438), (140, 41474), (146, 41522), (156, 41609),

Gene: Etaye_48 Start: 40367, Stop: 41683, Start Num: 29

Candidate Starts for Etaye_48:

(Start: 19 @40328 has 24 MA's), (21, 40337), (Start: 29 @40367 has 135 MA's), (Start: 32 @40376 has 12 MA's), (Start: 35 @40388 has 12 MA's), (Start: 36 @40394 has 66 MA's), (43, 40514), (45, 40556), (48, 40607), (59, 40721), (61, 40733), (67, 40835), (81, 40922), (82, 40925), (86, 41009), (87, 41012), (89, 41027), (99, 41102), (105, 41177), (119, 41285), (124, 41363), (125, 41372), (129, 41387), (136, 41432), (140, 41468), (146, 41516), (156, 41603),

Gene: Eugenia_48 Start: 40404, Stop: 41693, Start Num: 36

Candidate Starts for Eugenia_48:

(Start: 19 @40338 has 24 MA's), (21, 40347), (Start: 29 @40377 has 135 MA's), (Start: 32 @40386 has 12 MA's), (Start: 35 @40398 has 12 MA's), (Start: 36 @40404 has 66 MA's), (43, 40524), (45, 40566), (48, 40617), (59, 40731), (61, 40743), (67, 40845), (81, 40932), (82, 40935), (86, 41019), (89, 41037), (99, 41112), (105, 41187), (119, 41295), (124, 41373), (125, 41382), (136, 41442), (140, 41478), (146, 41526), (156, 41613),

Gene: Fang_49 Start: 40525, Stop: 41841, Start Num: 29

Candidate Starts for Fang_49:

(Start: 19 @40486 has 24 MA's), (21, 40495), (Start: 29 @40525 has 135 MA's), (Start: 32 @40534 has 12 MA's), (Start: 35 @40546 has 12 MA's), (Start: 36 @40552 has 66 MA's), (43, 40672), (45, 40714), (48, 40765), (59, 40879), (61, 40891), (67, 40993), (81, 41080), (82, 41083), (86, 41167), (89, 41185), (99, 41260), (105, 41335), (119, 41443), (124, 41521), (125, 41530), (136, 41590), (140, 41626), (146, 41674), (156, 41761),

Gene: Flatwoods_42 Start: 36324, Stop: 37907, Start Num: 31

Candidate Starts for Flatwoods_42:

(Start: 20 @36285 has 1 MA's), (Start: 31 @36324 has 25 MA's), (Start: 35 @36339 has 12 MA's), (59, 36690), (63, 36729), (73, 36813), (84, 36957), (88, 36984), (90, 36993), (92, 36999), (93, 37002), (94, 37032), (98, 37062), (106, 37143), (113, 37203), (124, 37329), (125, 37338), (163, 37620), (167, 37668), (168, 37689), (169, 37692), (172, 37716), (173, 37731), (174, 37764), (183, 37881),

Gene: FluffyNinja_49 Start: 40545, Stop: 41834, Start Num: 36

Candidate Starts for FluffyNinja_49:

(Start: 19 @40479 has 24 MA's), (21, 40488), (Start: 29 @40518 has 135 MA's), (Start: 32 @40527 has 12 MA's), (Start: 35 @40539 has 12 MA's), (Start: 36 @40545 has 66 MA's), (43, 40665), (45, 40707), (48, 40758), (59, 40872), (61, 40884), (67, 40986), (81, 41073), (82, 41076), (86, 41160), (89, 41178), (99, 41253), (105, 41328), (119, 41436), (124, 41514), (125, 41523), (136, 41583), (140, 41619), (146, 41667), (156, 41754),

Gene: Fosterous_39 Start: 36067, Stop: 37644, Start Num: 31

Candidate Starts for Fosterous_39:

(Start: 31 @36067 has 25 MA's), (Start: 35 @36082 has 12 MA's), (59, 36433), (63, 36472), (73, 36547), (88, 36718), (90, 36727), (92, 36733), (93, 36736), (94, 36766), (98, 36796), (101, 36814), (106, 36877), (124, 37063), (125, 37072), (151, 37252), (163, 37354), (167, 37405), (168, 37426), (169, 37429), (172, 37453), (173, 37468), (174, 37501), (176, 37552), (182, 37606),

Gene: Fozzie_47 Start: 40411, Stop: 41718, Start Num: 32

Candidate Starts for Fozzie_47:

(Start: 19 @40363 has 24 MA's), (21, 40372), (Start: 29 @40402 has 135 MA's), (Start: 32 @40411 has 12 MA's), (Start: 35 @40423 has 12 MA's), (Start: 36 @40429 has 66 MA's), (43, 40549), (45, 40591), (48, 40642), (59, 40756), (61, 40768), (67, 40870), (81, 40957), (82, 40960), (86, 41044), (89, 41062), (99, 41137), (105, 41212), (119, 41320), (124, 41398), (125, 41407), (136, 41467), (140, 41503), (146, 41551), (156, 41638),

Gene: Frankicide_48 Start: 40413, Stop: 41720, Start Num: 35

Candidate Starts for Frankicide_48:

(Start: 19 @40353 has 24 MA's), (21, 40362), (Start: 29 @40392 has 135 MA's), (Start: 32 @40401 has 12 MA's), (Start: 35 @40413 has 12 MA's), (43, 40539), (45, 40581), (48, 40632), (56, 40701), (61, 40758), (67, 40872), (81, 40959), (82, 40962), (86, 41046), (87, 41049), (89, 41064), (99, 41139), (105, 41214), (119, 41322), (124, 41400), (125, 41409), (129, 41424), (136, 41469), (140, 41505), (146, 41553), (156, 41640),

Gene: Freya_47 Start: 40065, Stop: 41381, Start Num: 29

Candidate Starts for Freya_47:

(Start: 19 @40026 has 24 MA's), (21, 40035), (Start: 29 @40065 has 135 MA's), (Start: 32 @40074 has 12 MA's), (Start: 35 @40086 has 12 MA's), (Start: 36 @40092 has 66 MA's), (43, 40212), (45, 40254), (48, 40305), (59, 40419), (61, 40431), (67, 40533), (81, 40620), (82, 40623), (86, 40707), (89, 40725), (99, 40800), (105, 40875), (119, 40983), (124, 41061), (125, 41070), (136, 41130), (140, 41166), (146, 41214), (156, 41301),

Gene: FriarPreacher_47 Start: 40365, Stop: 41732, Start Num: 19

Candidate Starts for FriarPreacher_47:

(Start: 19 @40365 has 24 MA's), (21, 40374), (Start: 29 @40404 has 135 MA's), (Start: 32 @40413 has 12 MA's), (Start: 35 @40425 has 12 MA's), (Start: 36 @40431 has 66 MA's), (43, 40551), (45, 40593), (48, 40644), (56, 40713), (61, 40770), (67, 40884), (81, 40971), (82, 40974), (86, 41058), (87, 41061), (89, 41076), (99, 41151), (105, 41226), (119, 41334), (124, 41412), (125, 41421), (129, 41436), (136, 41481), (140, 41517), (146, 41565), (156, 41652),

Gene: Frickyeah_22 Start: 18680, Stop: 19957, Start Num: 31

Candidate Starts for Frickyeah_22:

(Start: 23 @18665 has 3 MA's), (Start: 31 @18680 has 25 MA's), (41, 18803), (52, 18947), (59, 19046), (62, 19070), (65, 19121), (72, 19160), (84, 19310), (86, 19325), (90, 19346), (92, 19352), (93, 19355), (99, 19418), (110, 19520), (111, 19538), (117, 19577), (119, 19595), (131, 19721), (132, 19730), (139, 19769), (142, 19796),

Gene: Fringe_49 Start: 40501, Stop: 41817, Start Num: 29

Candidate Starts for Fringe_49:

(Start: 19 @40462 has 24 MA's), (21, 40471), (Start: 29 @40501 has 135 MA's), (Start: 32 @40510 has 12 MA's), (Start: 35 @40522 has 12 MA's), (Start: 36 @40528 has 66 MA's), (43, 40648), (45, 40690), (48, 40741), (59, 40855), (61, 40867), (67, 40969), (81, 41056), (82, 41059), (86, 41143), (89, 41161), (99, 41236), (105, 41311), (119, 41419), (124, 41497), (125, 41506), (136, 41566), (140,

41602), (146, 41650), (156, 41737),

Gene: Frosty24_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Frosty24_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: FugateOSU_47 Start: 40106, Stop: 41395, Start Num: 36

Candidate Starts for FugateOSU_47:

(Start: 19 @40040 has 24 MA's), (21, 40049), (Start: 29 @40079 has 135 MA's), (Start: 32 @40088 has 12 MA's), (Start: 35 @40100 has 12 MA's), (Start: 36 @40106 has 66 MA's), (43, 40226), (45, 40268), (48, 40319), (59, 40433), (61, 40445), (67, 40547), (81, 40634), (82, 40637), (86, 40721), (89, 40739), (99, 40814), (105, 40889), (119, 40997), (124, 41075), (125, 41084), (136, 41144), (140, 41180), (146, 41228), (156, 41315),

Gene: Gaea_41 Start: 35931, Stop: 37553, Start Num: 20

Candidate Starts for Gaea_41:

(Start: 20 @35931 has 1 MA's), (Start: 31 @35970 has 25 MA's), (Start: 35 @35985 has 12 MA's), (54, 36255), (59, 36336), (63, 36375), (73, 36459), (88, 36630), (90, 36639), (92, 36645), (93, 36648), (94, 36678), (98, 36708), (106, 36789), (113, 36849), (124, 36975), (125, 36984), (154, 37188), (163, 37266), (167, 37314), (168, 37335), (169, 37338), (171, 37350), (172, 37362), (173, 37377), (174, 37410), (183, 37527),

Gene: GeneCoco_48 Start: 40415, Stop: 41704, Start Num: 36

Candidate Starts for GeneCoco_48:

(Start: 19 @40349 has 24 MA's), (21, 40358), (Start: 29 @40388 has 135 MA's), (Start: 32 @40397 has 12 MA's), (Start: 35 @40409 has 12 MA's), (Start: 36 @40415 has 66 MA's), (43, 40535), (45, 40577), (48, 40628), (59, 40742), (61, 40754), (67, 40856), (81, 40943), (82, 40946), (86, 41030), (89, 41048), (99, 41123), (105, 41198), (119, 41306), (124, 41384), (125, 41393), (136, 41453), (140, 41489), (146, 41537), (156, 41624),

Gene: Gideon_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Gideon_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (126, 24899), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Giraffe_48 Start: 40082, Stop: 41413, Start Num: 29

Candidate Starts for Giraffe_48:

(Start: 19 @40043 has 24 MA's), (21, 40052), (Start: 29 @40082 has 135 MA's), (Start: 32 @40091 has 12 MA's), (Start: 35 @40103 has 12 MA's), (43, 40229), (45, 40271), (48, 40322), (56, 40391), (61, 40448), (67, 40562), (68, 40565), (81, 40652), (82, 40655), (86, 40739), (87, 40742), (89, 40757), (99, 40832), (105, 40907), (119, 41015), (124, 41093), (125, 41102), (136, 41162), (140, 41198), (146, 41246), (156, 41333),

Gene: GoldenAsh_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for GoldenAsh_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Gomashi_27 Start: 23886, Stop: 25202, Start Num: 30

Candidate Starts for Gomashi_27:

(Start: 26 @23871 has 9 MA's), (Start: 30 @23886 has 45 MA's), (Start: 36 @23907 has 66 MA's), (43, 24027), (45, 24069), (48, 24120), (61, 24246), (71, 24369), (84, 24519), (116, 24786), (134, 24948), (144, 25035), (159, 25131), (166, 25194),

Gene: Gophee_48 Start: 40380, Stop: 41687, Start Num: 32

Candidate Starts for Gophee_48:

(Start: 19 @40332 has 24 MA's), (21, 40341), (Start: 29 @40371 has 135 MA's), (Start: 32 @40380 has 12 MA's), (Start: 35 @40392 has 12 MA's), (Start: 36 @40398 has 66 MA's), (43, 40518), (45, 40560), (48, 40611), (59, 40725), (61, 40737), (67, 40839), (81, 40926), (82, 40929), (86, 41013), (89, 41031), (99, 41106), (105, 41181), (119, 41289), (124, 41367), (125, 41376), (136, 41436), (140, 41472), (146, 41520), (156, 41607),

Gene: Grand2040_47 Start: 40091, Stop: 41407, Start Num: 29

Candidate Starts for Grand2040_47:

(Start: 19 @40052 has 24 MA's), (21, 40061), (Start: 29 @40091 has 135 MA's), (Start: 32 @40100 has 12 MA's), (Start: 35 @40112 has 12 MA's), (Start: 36 @40118 has 66 MA's), (43, 40238), (45, 40280), (48, 40331), (59, 40445), (61, 40457), (67, 40559), (81, 40646), (82, 40649), (86, 40733), (89, 40751), (99, 40826), (105, 40901), (119, 41009), (124, 41087), (125, 41096), (136, 41156), (140, 41192), (146, 41240), (156, 41327),

Gene: Grizzly_27 Start: 23889, Stop: 25205, Start Num: 30

Candidate Starts for Grizzly_27:

(Start: 26 @23874 has 9 MA's), (Start: 30 @23889 has 45 MA's), (Start: 36 @23910 has 66 MA's), (43, 24030), (45, 24072), (48, 24123), (61, 24249), (71, 24372), (84, 24522), (116, 24789), (134, 24951), (144, 25038), (159, 25134), (166, 25197),

Gene: Gustavo_41 Start: 36119, Stop: 37723, Start Num: 31

Candidate Starts for Gustavo_41:

(Start: 20 @36083 has 1 MA's), (Start: 31 @36119 has 25 MA's), (Start: 35 @36134 has 12 MA's), (59, 36485), (63, 36524), (73, 36626), (87, 36788), (88, 36797), (90, 36806), (92, 36812), (93, 36815), (94, 36845), (98, 36875), (101, 36893), (106, 36956), (113, 37016), (118, 37055), (124, 37142), (151, 37331), (163, 37433), (167, 37484), (168, 37505), (169, 37508), (172, 37532), (173, 37547), (174, 37580), (177, 37631), (182, 37685), (183, 37697),

Gene: Gwilliam_49 Start: 40404, Stop: 41693, Start Num: 36

Candidate Starts for Gwilliam_49:

(Start: 19 @40338 has 24 MA's), (21, 40347), (Start: 29 @40377 has 135 MA's), (Start: 32 @40386 has 12 MA's), (Start: 35 @40398 has 12 MA's), (Start: 36 @40404 has 66 MA's), (43, 40524), (45, 40566), (48, 40617), (59, 40731), (61, 40743), (67, 40845), (81, 40932), (82, 40935), (86, 41019), (87, 41022), (89, 41037), (99, 41112), (105, 41187), (119, 41295), (124, 41373), (125, 41382), (136, 41442), (140, 41478), (146, 41526), (156, 41613),

Gene: Gyarad_0048 Start: 40379, Stop: 41707, Start Num: 29

Candidate Starts for Gyarad_0048:

(Start: 19 @40340 has 24 MA's), (21, 40349), (Start: 29 @40379 has 135 MA's), (Start: 32 @40388 has 12 MA's), (Start: 35 @40400 has 12 MA's), (43, 40526), (45, 40568), (48, 40619), (56, 40688), (61, 40745), (67, 40859), (81, 40946), (82, 40949), (86, 41033), (87, 41036), (89, 41051), (99, 41126), (105, 41201), (119, 41309), (124, 41387), (125, 41396), (129, 41411), (136, 41456), (140, 41492), (146, 41540), (156, 41627),

Gene: HSavage_48 Start: 40383, Stop: 41699, Start Num: 29

Candidate Starts for HSavage_48:

(Start: 19 @40344 has 24 MA's), (21, 40353), (Start: 29 @40383 has 135 MA's), (Start: 32 @40392 has 12 MA's), (Start: 35 @40404 has 12 MA's), (Start: 36 @40410 has 66 MA's), (43, 40530), (45, 40572), (48, 40623), (59, 40737), (61, 40749), (67, 40851), (81, 40938), (82, 40941), (86, 41025), (89, 41043), (99, 41118), (105, 41193), (113, 41256), (119, 41301), (124, 41379), (125, 41388), (136, 41448), (140, 41484), (146, 41532), (156, 41619),

Gene: Haimas_48 Start: 40404, Stop: 41693, Start Num: 36

Candidate Starts for Haimas_48:

(Start: 19 @40338 has 24 MA's), (21, 40347), (Start: 29 @40377 has 135 MA's), (Start: 32 @40386 has 12 MA's), (Start: 35 @40398 has 12 MA's), (Start: 36 @40404 has 66 MA's), (43, 40524), (45, 40566), (48, 40617), (59, 40731), (61, 40743), (67, 40845), (81, 40932), (82, 40935), (86, 41019), (87, 41022), (89, 41037), (99, 41112), (105, 41187), (119, 41295), (124, 41373), (125, 41382), (129, 41397), (136, 41442), (140, 41478), (146, 41526), (156, 41613),

Gene: Haleema_47 Start: 40091, Stop: 41407, Start Num: 29

Candidate Starts for Haleema_47:

(Start: 19 @40052 has 24 MA's), (21, 40061), (Start: 29 @40091 has 135 MA's), (Start: 32 @40100 has 12 MA's), (Start: 35 @40112 has 12 MA's), (Start: 36 @40118 has 66 MA's), (43, 40238), (45, 40280), (48, 40331), (59, 40445), (61, 40457), (67, 40559), (81, 40646), (82, 40649), (86, 40733), (89, 40751), (99, 40826), (105, 40901), (119, 41009), (124, 41087), (125, 41096), (136, 41156), (140, 41192), (146, 41240), (156, 41327),

Gene: Halo_27 Start: 23880, Stop: 25196, Start Num: 30

Candidate Starts for Halo_27:

(Start: 26 @23865 has 9 MA's), (Start: 30 @23880 has 45 MA's), (Start: 36 @23901 has 66 MA's), (43, 24021), (45, 24063), (48, 24114), (61, 24240), (71, 24363), (84, 24513), (116, 24780), (134, 24942), (144, 25029), (159, 25125), (166, 25188),

Gene: Hamish_48 Start: 40369, Stop: 41685, Start Num: 29

Candidate Starts for Hamish_48:

(Start: 19 @40330 has 24 MA's), (21, 40339), (Start: 29 @40369 has 135 MA's), (Start: 32 @40378 has 12 MA's), (Start: 35 @40390 has 12 MA's), (Start: 36 @40396 has 66 MA's), (43, 40516), (45, 40558), (48, 40609), (59, 40723), (61, 40735), (67, 40837), (81, 40924), (82, 40927), (86, 41011), (87, 41014), (89, 41029), (99, 41104), (105, 41179), (119, 41287), (124, 41365), (125, 41374), (129, 41389), (136, 41434), (140, 41470), (146, 41518), (156, 41605),

Gene: Hartsy_48 Start: 40420, Stop: 41736, Start Num: 29

Candidate Starts for Hartsy_48:

(Start: 19 @40381 has 24 MA's), (21, 40390), (Start: 29 @40420 has 135 MA's), (Start: 32 @40429 has 12 MA's), (Start: 35 @40441 has 12 MA's), (Start: 36 @40447 has 66 MA's), (43, 40567), (45, 40609), (48, 40660), (61, 40786), (67, 40888), (81, 40975), (82, 40978), (86, 41062), (89, 41080), (99, 41155), (105, 41230), (119, 41338), (124, 41416), (125, 41425), (136, 41485), (140, 41521), (146, 41569), (156, 41656),

Gene: Harvey_48 Start: 40395, Stop: 41723, Start Num: 29

Candidate Starts for Harvey_48:

(Start: 19 @40356 has 24 MA's), (21, 40365), (Start: 29 @40395 has 135 MA's), (Start: 32 @40404 has 12 MA's), (Start: 35 @40416 has 12 MA's), (43, 40542), (45, 40584), (48, 40635), (56, 40704), (61, 40761), (67, 40875), (81, 40962), (82, 40965), (86, 41049), (87, 41052), (89, 41067), (99, 41142), (105, 41217), (119, 41325), (124, 41403), (125, 41412), (129, 41427), (136, 41472), (140, 41508), (146, 41556), (156, 41643),

Gene: Held_48 Start: 40081, Stop: 41412, Start Num: 29

Candidate Starts for Held_48:

(Start: 19 @40042 has 24 MA's), (21, 40051), (Start: 29 @40081 has 135 MA's), (Start: 32 @40090 has 12 MA's), (Start: 35 @40102 has 12 MA's), (43, 40228), (45, 40270), (48, 40321), (59, 40435), (61, 40447), (67, 40561), (68, 40564), (81, 40651), (82, 40654), (86, 40738), (87, 40741), (89, 40756), (99, 40831), (105, 40906), (119, 41014), (124, 41092), (125, 41101), (136, 41161), (140, 41197), (146, 41245), (156, 41332),

Gene: HenryJackson_47 Start: 40118, Stop: 41407, Start Num: 36

Candidate Starts for HenryJackson_47:

(Start: 19 @40052 has 24 MA's), (21, 40061), (Start: 29 @40091 has 135 MA's), (Start: 32 @40100 has 12 MA's), (Start: 35 @40112 has 12 MA's), (Start: 36 @40118 has 66 MA's), (43, 40238), (45, 40280), (48, 40331), (59, 40445), (61, 40457), (67, 40559), (81, 40646), (82, 40649), (86, 40733), (89, 40751), (99, 40826), (105, 40901), (119, 41009), (124, 41087), (125, 41096), (136, 41156), (140, 41192), (146, 41240), (156, 41327),

Gene: Hertubise_48 Start: 40391, Stop: 41707, Start Num: 29

Candidate Starts for Hertubise_48:

(Start: 19 @40352 has 24 MA's), (21, 40361), (Start: 29 @40391 has 135 MA's), (Start: 32 @40400 has 12 MA's), (Start: 35 @40412 has 12 MA's), (Start: 36 @40418 has 66 MA's), (43, 40538), (45, 40580), (48, 40631), (59, 40745), (61, 40757), (67, 40859), (81, 40946), (82, 40949), (86, 41033), (87, 41036), (89, 41051), (99, 41126), (105, 41201), (119, 41309), (124, 41387), (125, 41396), (136, 41456), (140, 41492), (146, 41540), (156, 41627),

Gene: Hetaeria_48 Start: 40354, Stop: 41724, Start Num: 19

Candidate Starts for Hetaeria_48:

(Start: 19 @40354 has 24 MA's), (21, 40363), (Start: 29 @40393 has 135 MA's), (Start: 32 @40402 has 12 MA's), (Start: 35 @40414 has 12 MA's), (43, 40540), (45, 40582), (48, 40633), (56, 40702), (61, 40759), (67, 40873), (68, 40876), (81, 40963), (82, 40966), (86, 41050), (87, 41053), (89, 41068), (99, 41143), (105, 41218), (119, 41326), (124, 41404), (125, 41413), (129, 41428), (136, 41473), (140, 41509), (146, 41557), (156, 41644),

Gene: HighStump_48 Start: 40218, Stop: 41534, Start Num: 29

Candidate Starts for HighStump_48:

(Start: 19 @40179 has 24 MA's), (21, 40188), (Start: 29 @40218 has 135 MA's), (Start: 32 @40227 has 12 MA's), (Start: 35 @40239 has 12 MA's), (Start: 36 @40245 has 66 MA's), (43, 40365), (45, 40407), (48, 40458), (59, 40572), (61, 40584), (67, 40686), (81, 40773), (82, 40776), (86, 40860), (89, 40878), (99, 40953), (105, 41028), (119, 41136), (124, 41214), (125, 41223), (136, 41283), (140, 41319), (146, 41367), (156, 41454),

Gene: Hocus_47 Start: 40080, Stop: 41396, Start Num: 29

Candidate Starts for Hocus_47:

(Start: 19 @40041 has 24 MA's), (21, 40050), (Start: 29 @40080 has 135 MA's), (Start: 32 @40089 has 12 MA's), (Start: 35 @40101 has 12 MA's), (Start: 36 @40107 has 66 MA's), (43, 40227), (45, 40269), (48, 40320), (59, 40434), (61, 40446), (67, 40548), (81, 40635), (82, 40638), (86, 40722), (89, 40740), (99, 40815), (105, 40890), (119, 40998), (124, 41076), (125, 41085), (136, 41145), (140, 41181), (146, 41229), (156, 41316),

Gene: Hope_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Hope_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Horchata_48 Start: 40371, Stop: 41699, Start Num: 29

Candidate Starts for Horchata_48:

(Start: 19 @40332 has 24 MA's), (21, 40341), (Start: 29 @40371 has 135 MA's), (Start: 32 @40380 has 12 MA's), (Start: 35 @40392 has 12 MA's), (Start: 36 @40398 has 66 MA's), (43, 40518), (45, 40560), (48, 40611), (59, 40725), (61, 40737), (67, 40851), (81, 40938), (82, 40941), (86, 41025), (87, 41028), (89, 41043), (99, 41118), (105, 41193), (119, 41301), (124, 41379), (125, 41388), (136, 41448), (140, 41484), (146, 41532), (156, 41619),

Gene: Hotshotbaby7_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Hotshotbaby7_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (126, 24899), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: ImtiyazSitla_48 Start: 40093, Stop: 41382, Start Num: 36

Candidate Starts for ImtiyazSitla_48:

(Start: 19 @40027 has 24 MA's), (21, 40036), (Start: 29 @40066 has 135 MA's), (Start: 32 @40075 has 12 MA's), (Start: 35 @40087 has 12 MA's), (Start: 36 @40093 has 66 MA's), (43, 40213), (45, 40255), (48, 40306), (59, 40420), (61, 40432), (67, 40534), (81, 40621), (82, 40624), (86, 40708), (89, 40726), (99, 40801), (105, 40876), (119, 40984), (124, 41062), (125, 41071), (136, 41131), (140, 41167), (146, 41215), (156, 41302),

Gene: Inchworm_49 Start: 40465, Stop: 41820, Start Num: 19

Candidate Starts for Inchworm_49:

(Start: 19 @40465 has 24 MA's), (21, 40474), (Start: 29 @40504 has 135 MA's), (Start: 32 @40513 has 12 MA's), (Start: 35 @40525 has 12 MA's), (Start: 36 @40531 has 66 MA's), (43, 40651), (45, 40693), (48, 40744), (59, 40858), (61, 40870), (67, 40972), (81, 41059), (82, 41062), (86, 41146), (89, 41164), (99, 41239), (105, 41314), (119, 41422), (124, 41500), (125, 41509), (136, 41569), (140, 41605), (146, 41653), (156, 41740),

Gene: Inverness_48 Start: 40380, Stop: 41708, Start Num: 29

Candidate Starts for Inverness_48:

(Start: 19 @40341 has 24 MA's), (21, 40350), (Start: 29 @40380 has 135 MA's), (Start: 32 @40389 has 12 MA's), (Start: 35 @40401 has 12 MA's), (43, 40527), (45, 40569), (48, 40620), (56, 40689), (61, 40746), (67, 40860), (81, 40947), (82, 40950), (86, 41034), (87, 41037), (89, 41052), (99, 41127), (105, 41202), (119, 41310), (124, 41388), (125, 41397), (129, 41412), (136, 41457), (140, 41493), (146, 41541), (156, 41628),

Gene: Iridoclysis_48 Start: 40363, Stop: 41679, Start Num: 29

Candidate Starts for Iridoclysis_48:

(Start: 19 @40324 has 24 MA's), (21, 40333), (Start: 29 @40363 has 135 MA's), (Start: 32 @40372 has 12 MA's), (Start: 35 @40384 has 12 MA's), (Start: 36 @40390 has 66 MA's), (43, 40510), (45, 40552), (48, 40603), (59, 40717), (61, 40729), (67, 40831), (81, 40918), (82, 40921), (86, 41005), (89, 41023), (99, 41098), (105, 41173), (113, 41236), (119, 41281), (124, 41359), (125, 41368), (136, 41428), (140, 41464), (146, 41512), (156, 41599),

Gene: IsaacEli_49 Start: 40549, Stop: 41838, Start Num: 36

Candidate Starts for IsaacEli_49:

(Start: 19 @40483 has 24 MA's), (21, 40492), (Start: 29 @40522 has 135 MA's), (Start: 32 @40531 has 12 MA's), (Start: 35 @40543 has 12 MA's), (Start: 36 @40549 has 66 MA's), (43, 40669), (45, 40711), (48, 40762), (59, 40876), (61, 40888), (67, 40990), (81, 41077), (82, 41080), (86, 41164), (89, 41182), (99, 41257), (105, 41332), (119, 41440), (124, 41518), (125, 41527), (136, 41587), (140, 41623), (146, 41671), (156, 41758),

Gene: JDog_47 Start: 40061, Stop: 41416, Start Num: 19

Candidate Starts for JDog_47:

(Start: 19 @40061 has 24 MA's), (21, 40070), (Start: 29 @40100 has 135 MA's), (Start: 32 @40109 has 12 MA's), (Start: 35 @40121 has 12 MA's), (Start: 36 @40127 has 66 MA's), (43, 40247), (45, 40289), (48, 40340), (59, 40454), (61, 40466), (67, 40568), (81, 40655), (82, 40658), (86, 40742), (87, 40745), (89, 40760), (99, 40835), (105, 40910), (119, 41018), (124, 41096), (125, 41105), (129, 41120), (136, 41165), (140, 41201), (146, 41249), (156, 41336),

Gene: JKSyngboy_39 Start: 36715, Stop: 38322, Start Num: 31

Candidate Starts for JKSyngboy_39:

(Start: 31 @36715 has 25 MA's), (Start: 35 @36730 has 12 MA's), (54, 37000), (59, 37081), (63, 37120), (73, 37228), (90, 37408), (92, 37414), (93, 37417), (94, 37447), (98, 37477), (101, 37495), (106, 37558), (113, 37618), (124, 37744), (125, 37753), (163, 38035), (167, 38083), (168, 38104), (169, 38107), (171, 38119), (172, 38131), (174, 38179), (182, 38284), (183, 38296),

Gene: JacAttac_49 Start: 40531, Stop: 41820, Start Num: 36

Candidate Starts for JacAttac_49:

(Start: 19 @40465 has 24 MA's), (21, 40474), (Start: 29 @40504 has 135 MA's), (Start: 32 @40513 has 12 MA's), (Start: 35 @40525 has 12 MA's), (Start: 36 @40531 has 66 MA's), (43, 40651), (45, 40693), (48, 40744), (59, 40858), (61, 40870), (67, 40972), (81, 41059), (82, 41062), (86, 41146), (89, 41164), (99, 41239), (105, 41314), (119, 41422), (124, 41500), (125, 41509), (136, 41569), (140, 41605), (146, 41653), (156, 41740),

Gene: JakeO_47 Start: 40099, Stop: 41415, Start Num: 29

Candidate Starts for JakeO_47:

(Start: 19 @40060 has 24 MA's), (21, 40069), (Start: 29 @40099 has 135 MA's), (Start: 32 @40108 has 12 MA's), (Start: 35 @40120 has 12 MA's), (Start: 36 @40126 has 66 MA's), (43, 40246), (45, 40288), (48, 40339), (59, 40453), (61, 40465), (67, 40567), (81, 40654), (82, 40657), (86, 40741), (89, 40759), (99, 40834), (105, 40909), (113, 40972), (119, 41017), (124, 41095), (125, 41104), (136, 41164), (140, 41200), (146, 41248), (156, 41335),

Gene: Jane_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Jane_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: JangoPhett_48 Start: 40374, Stop: 41690, Start Num: 29

Candidate Starts for JangoPhett_48:

(Start: 19 @40335 has 24 MA's), (21, 40344), (Start: 29 @40374 has 135 MA's), (Start: 32 @40383 has 12 MA's), (Start: 35 @40395 has 12 MA's), (Start: 36 @40401 has 66 MA's), (43, 40521), (45, 40563), (48, 40614), (59, 40728), (61, 40740), (67, 40842), (81, 40929), (82, 40932), (86, 41016), (87, 41019), (89, 41034), (99, 41109), (105, 41184), (119, 41292), (124, 41370), (125, 41379), (129, 41394), (136, 41439), (140, 41475), (146, 41523), (156, 41610),

Gene: Jillium_47 Start: 40093, Stop: 41409, Start Num: 29

Candidate Starts for Jillium_47:

(Start: 19 @40054 has 24 MA's), (21, 40063), (Start: 29 @40093 has 135 MA's), (Start: 32 @40102 has 12 MA's), (Start: 35 @40114 has 12 MA's), (43, 40240), (45, 40282), (48, 40333), (59, 40447), (61, 40459), (67, 40561), (81, 40648), (82, 40651), (86, 40735), (89, 40753), (99, 40828), (105, 40903), (119, 41011), (124, 41089), (125, 41098), (136, 41158), (140, 41194), (146, 41242), (156, 41329),

Gene: Jiminy_47 Start: 39934, Stop: 41250, Start Num: 29

Candidate Starts for Jiminy_47:

(Start: 19 @39895 has 24 MA's), (21, 39904), (Start: 29 @39934 has 135 MA's), (Start: 32 @39943 has 12 MA's), (Start: 35 @39955 has 12 MA's), (Start: 36 @39961 has 66 MA's), (43, 40081), (45, 40123), (48, 40174), (59, 40288), (61, 40300), (67, 40402), (81, 40489), (82, 40492), (86, 40576), (89, 40594), (99, 40669), (105, 40744), (119, 40852), (124, 40930), (125, 40939), (136, 40999), (140, 41035), (146, 41083), (156, 41170),

Gene: Jiraiya_50 Start: 40096, Stop: 41403, Start Num: 32

Candidate Starts for Jiraiya_50:

(Start: 19 @40048 has 24 MA's), (21, 40057), (Start: 29 @40087 has 135 MA's), (Start: 32 @40096 has 12 MA's), (Start: 35 @40108 has 12 MA's), (Start: 36 @40114 has 66 MA's), (43, 40234), (45, 40276), (48, 40327), (59, 40441), (61, 40453), (67, 40555), (81, 40642), (82, 40645), (86, 40729), (89, 40747), (99, 40822), (105, 40897), (119, 41005), (124, 41083), (125, 41092), (136, 41152), (140, 41188), (146, 41236), (156, 41323),

Gene: Jolene_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Jolene_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (126, 24899), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Jonghyun_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Jonghyun_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (126, 24899), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: JorRay_27 Start: 23870, Stop: 25201, Start Num: 26

Candidate Starts for JorRay_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Juicebox_23 Start: 21279, Stop: 22559, Start Num: 31

Candidate Starts for Juicebox_23:

(11, 20949), (13, 20967), (16, 21021), (22, 21237), (Start: 31 @21279 has 25 MA's), (44, 21432), (57, 21621), (69, 21762), (80, 21837), (83, 21885), (94, 21996), (95, 22014), (107, 22086), (109, 22104), (115, 22164), (119, 22185), (141, 22365), (149, 22428), (160, 22524),

Gene: KLucky39_48 Start: 40399, Stop: 41706, Start Num: 35

Candidate Starts for KLucky39_48:

(Start: 19 @40339 has 24 MA's), (21, 40348), (Start: 29 @40378 has 135 MA's), (Start: 32 @40387 has 12 MA's), (Start: 35 @40399 has 12 MA's), (43, 40525), (45, 40567), (48, 40618), (56, 40687), (61, 40744), (67, 40858), (81, 40945), (82, 40948), (86, 41032), (87, 41035), (89, 41050), (99, 41125), (105, 41200), (119, 41308), (124, 41386), (125, 41395), (129, 41410), (136, 41455), (140, 41491), (146, 41539), (156, 41626),

Gene: Kahve_47 Start: 40115, Stop: 41404, Start Num: 36

Candidate Starts for Kahve_47:

(Start: 19 @40049 has 24 MA's), (21, 40058), (Start: 29 @40088 has 135 MA's), (Start: 32 @40097 has 12 MA's), (Start: 35 @40109 has 12 MA's), (Start: 36 @40115 has 66 MA's), (43, 40235), (45, 40277), (48, 40328), (59, 40442), (61, 40454), (67, 40556), (81, 40643), (82, 40646), (86, 40730), (89,

40748), (99, 40823), (105, 40898), (119, 41006), (124, 41084), (125, 41093), (136, 41153), (140, 41189), (146, 41237), (156, 41324),

Gene: Kailash_48 Start: 40435, Stop: 41766, Start Num: 29

Candidate Starts for Kailash_48:

(Start: 19 @40396 has 24 MA's), (21, 40405), (Start: 29 @40435 has 135 MA's), (Start: 32 @40444 has 12 MA's), (Start: 35 @40456 has 12 MA's), (Start: 36 @40462 has 66 MA's), (43, 40582), (45, 40624), (48, 40675), (61, 40801), (67, 40915), (68, 40918), (81, 41005), (82, 41008), (86, 41092), (87, 41095), (89, 41110), (99, 41185), (105, 41260), (119, 41368), (124, 41446), (125, 41455), (136, 41515), (140, 41551), (146, 41599), (156, 41686),

Gene: Kareem_27 Start: 23870, Stop: 25201, Start Num: 26

Candidate Starts for Kareem_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Kasen3_27 Start: 23886, Stop: 25202, Start Num: 30

Candidate Starts for Kasen3_27:

(Start: 26 @23871 has 9 MA's), (Start: 30 @23886 has 45 MA's), (Start: 36 @23907 has 66 MA's), (43, 24027), (45, 24069), (48, 24120), (61, 24246), (71, 24369), (84, 24519), (116, 24786), (134, 24948), (144, 25035), (159, 25131), (166, 25194),

Gene: Katniss_49 Start: 40558, Stop: 41847, Start Num: 36

Candidate Starts for Katniss_49:

(Start: 19 @40492 has 24 MA's), (21, 40501), (Start: 29 @40531 has 135 MA's), (Start: 32 @40540 has 12 MA's), (Start: 35 @40552 has 12 MA's), (Start: 36 @40558 has 66 MA's), (43, 40678), (45, 40720), (48, 40771), (59, 40885), (61, 40897), (67, 40999), (81, 41086), (82, 41089), (86, 41173), (89, 41191), (99, 41266), (105, 41341), (119, 41449), (124, 41527), (125, 41536), (136, 41596), (140, 41632), (146, 41680), (156, 41767),

Gene: Keitherie_48 Start: 40443, Stop: 41750, Start Num: 32

Candidate Starts for Keitherie_48:

(Start: 19 @40395 has 24 MA's), (21, 40404), (Start: 29 @40434 has 135 MA's), (Start: 32 @40443 has 12 MA's), (Start: 35 @40455 has 12 MA's), (Start: 36 @40461 has 66 MA's), (43, 40581), (45, 40623), (48, 40674), (59, 40788), (61, 40800), (67, 40902), (81, 40989), (82, 40992), (86, 41076), (89, 41094), (99, 41169), (105, 41244), (119, 41352), (124, 41430), (125, 41439), (136, 41499), (140, 41535), (146, 41583), (156, 41670),

Gene: Kikipoo_49 Start: 40549, Stop: 41838, Start Num: 36

Candidate Starts for Kikipoo_49:

(Start: 19 @40483 has 24 MA's), (21, 40492), (Start: 29 @40522 has 135 MA's), (Start: 32 @40531 has 12 MA's), (Start: 35 @40543 has 12 MA's), (Start: 36 @40549 has 66 MA's), (43, 40669), (45, 40711), (48, 40762), (59, 40876), (61, 40888), (67, 40990), (81, 41077), (82, 41080), (86, 41164), (89, 41182), (99, 41257), (105, 41332), (119, 41440), (124, 41518), (125, 41527), (136, 41587), (140, 41623), (146, 41671), (156, 41758),

Gene: Kimbrough_48 Start: 40095, Stop: 41411, Start Num: 29

Candidate Starts for Kimbrough_48:

(Start: 19 @40056 has 24 MA's), (21, 40065), (Start: 29 @40095 has 135 MA's), (Start: 32 @40104 has 12 MA's), (Start: 35 @40116 has 12 MA's), (Start: 36 @40122 has 66 MA's), (43, 40242), (45, 40284), (48, 40335), (59, 40449), (61, 40461), (67, 40563), (81, 40650), (82, 40653), (86, 40737), (89, 40755), (99, 40830), (105, 40905), (119, 41013), (124, 41091), (125, 41100), (136, 41160), (140,

41196), (146, 41244), (156, 41331),

Gene: KingTut_39 Start: 35779, Stop: 37074, Start Num: 35

Candidate Starts for KingTut_39:

(Start: 19 @35719 has 24 MA's), (21, 35728), (Start: 29 @35758 has 135 MA's), (Start: 32 @35767 has 12 MA's), (Start: 35 @35779 has 12 MA's), (43, 35905), (45, 35947), (48, 35998), (59, 36112), (61, 36124), (67, 36226), (81, 36313), (82, 36316), (86, 36400), (89, 36418), (99, 36493), (105, 36568), (119, 36676), (124, 36754), (125, 36763), (136, 36823), (140, 36859), (146, 36907), (156, 36994),

Gene: KingVeVeVe_48 Start: 40393, Stop: 41682, Start Num: 36

Candidate Starts for KingVeVeVe_48:

(Start: 19 @40327 has 24 MA's), (21, 40336), (Start: 29 @40366 has 135 MA's), (Start: 32 @40375 has 12 MA's), (Start: 35 @40387 has 12 MA's), (Start: 36 @40393 has 66 MA's), (43, 40513), (45, 40555), (48, 40606), (59, 40720), (61, 40732), (67, 40834), (81, 40921), (82, 40924), (86, 41008), (89, 41026), (99, 41101), (105, 41176), (113, 41239), (119, 41284), (124, 41362), (125, 41371), (136, 41431), (140, 41467), (146, 41515), (156, 41602),

Gene: KlimbOn_48 Start: 40372, Stop: 41700, Start Num: 29

Candidate Starts for KlimbOn_48:

(Start: 19 @40333 has 24 MA's), (21, 40342), (Start: 29 @40372 has 135 MA's), (Start: 32 @40381 has 12 MA's), (Start: 35 @40393 has 12 MA's), (43, 40519), (45, 40561), (48, 40612), (56, 40681), (61, 40738), (67, 40852), (81, 40939), (82, 40942), (86, 41026), (87, 41029), (89, 41044), (99, 41119), (105, 41194), (119, 41302), (124, 41380), (125, 41389), (129, 41404), (136, 41449), (140, 41485), (146, 41533), (156, 41620),

Gene: Kloppinator_49 Start: 40758, Stop: 42113, Start Num: 19

Candidate Starts for Kloppinator_49:

(Start: 19 @40758 has 24 MA's), (21, 40767), (Start: 29 @40797 has 135 MA's), (Start: 32 @40806 has 12 MA's), (Start: 35 @40818 has 12 MA's), (Start: 36 @40824 has 66 MA's), (43, 40944), (45, 40986), (48, 41037), (59, 41151), (61, 41163), (67, 41265), (81, 41352), (82, 41355), (86, 41439), (89, 41457), (99, 41532), (105, 41607), (119, 41715), (124, 41793), (125, 41802), (136, 41862), (140, 41898), (146, 41946), (156, 42033),

Gene: Kroos_42 Start: 36880, Stop: 38463, Start Num: 31

Candidate Starts for Kroos_42:

(Start: 20 @36841 has 1 MA's), (Start: 31 @36880 has 25 MA's), (Start: 35 @36895 has 12 MA's), (59, 37246), (63, 37285), (73, 37369), (88, 37540), (90, 37549), (92, 37555), (93, 37558), (94, 37588), (98, 37618), (106, 37699), (113, 37759), (124, 37885), (125, 37894), (154, 38098), (163, 38176), (167, 38224), (168, 38245), (169, 38248), (171, 38260), (172, 38272), (173, 38287), (174, 38320), (183, 38437),

Gene: Kwadwo_47 Start: 40070, Stop: 41386, Start Num: 29

Candidate Starts for Kwadwo_47:

(Start: 19 @40031 has 24 MA's), (21, 40040), (Start: 29 @40070 has 135 MA's), (Start: 32 @40079 has 12 MA's), (Start: 35 @40091 has 12 MA's), (Start: 36 @40097 has 66 MA's), (43, 40217), (45, 40259), (48, 40310), (59, 40424), (61, 40436), (67, 40538), (81, 40625), (82, 40628), (86, 40712), (89, 40730), (99, 40805), (105, 40880), (119, 40988), (124, 41066), (125, 41075), (136, 41135), (140, 41171), (146, 41219), (156, 41306),

Gene: Kwksand96_47 Start: 39945, Stop: 41261, Start Num: 29

Candidate Starts for Kwksand96_47:

(Start: 19 @39906 has 24 MA's), (21, 39915), (Start: 29 @39945 has 135 MA's), (Start: 32 @39954 has 12 MA's), (Start: 35 @39966 has 12 MA's), (Start: 36 @39972 has 66 MA's), (43, 40092), (45,

40134), (48, 40185), (59, 40299), (61, 40311), (67, 40413), (81, 40500), (82, 40503), (86, 40587), (89, 40605), (99, 40680), (105, 40755), (119, 40863), (124, 40941), (125, 40950), (136, 41010), (140, 41046), (146, 41094), (156, 41181),

Gene: Kwobi_42 Start: 36866, Stop: 38449, Start Num: 31

Candidate Starts for Kwobi_42:

(Start: 31 @36866 has 25 MA's), (Start: 35 @36881 has 12 MA's), (54, 37151), (59, 37232), (63, 37271), (73, 37355), (88, 37526), (90, 37535), (92, 37541), (93, 37544), (94, 37574), (98, 37604), (106, 37685), (113, 37745), (124, 37871), (125, 37880), (145, 38006), (163, 38162), (167, 38210), (168, 38231), (169, 38234), (172, 38258), (173, 38273), (174, 38306), (175, 38333), (183, 38423),

Gene: Labeouficaum_47 Start: 39967, Stop: 41256, Start Num: 36

Candidate Starts for Labeouficaum_47:

(Start: 19 @39901 has 24 MA's), (21, 39910), (Start: 29 @39940 has 135 MA's), (Start: 32 @39949 has 12 MA's), (Start: 35 @39961 has 12 MA's), (Start: 36 @39967 has 66 MA's), (43, 40087), (45, 40129), (48, 40180), (59, 40294), (61, 40306), (67, 40408), (81, 40495), (82, 40498), (86, 40582), (89, 40600), (99, 40675), (105, 40750), (119, 40858), (124, 40936), (125, 40945), (136, 41005), (140, 41041), (146, 41089), (156, 41176),

Gene: LasagnaCat_49 Start: 40516, Stop: 41832, Start Num: 29

Candidate Starts for LasagnaCat_49:

(Start: 19 @40477 has 24 MA's), (21, 40486), (Start: 29 @40516 has 135 MA's), (Start: 32 @40525 has 12 MA's), (Start: 35 @40537 has 12 MA's), (Start: 36 @40543 has 66 MA's), (43, 40663), (45, 40705), (48, 40756), (59, 40870), (61, 40882), (67, 40984), (81, 41071), (82, 41074), (86, 41158), (89, 41176), (99, 41251), (105, 41326), (119, 41434), (124, 41512), (125, 41521), (136, 41581), (140, 41617), (146, 41665), (156, 41752),

Gene: Lasso_48 Start: 40372, Stop: 41661, Start Num: 36

Candidate Starts for Lasso_48:

(Start: 19 @40306 has 24 MA's), (21, 40315), (Start: 29 @40345 has 135 MA's), (Start: 32 @40354 has 12 MA's), (Start: 35 @40366 has 12 MA's), (Start: 36 @40372 has 66 MA's), (43, 40492), (45, 40534), (48, 40585), (59, 40699), (61, 40711), (67, 40813), (81, 40900), (82, 40903), (86, 40987), (89, 41005), (99, 41080), (105, 41155), (119, 41263), (124, 41341), (125, 41350), (136, 41410), (140, 41446), (146, 41494), (156, 41581),

Gene: Lederberg_21 Start: 19839, Stop: 21065, Start Num: 31

Candidate Starts for Lederberg_21:

(Start: 31 @19839 has 25 MA's), (34, 19848), (Start: 36 @19854 has 66 MA's), (52, 20085), (54, 20103), (64, 20232), (66, 20280), (91, 20478), (97, 20544), (102, 20568), (106, 20601), (122, 20778), (136, 20841),

Gene: LeeLot_48 Start: 40382, Stop: 41713, Start Num: 29

Candidate Starts for LeeLot_48:

(Start: 19 @40343 has 24 MA's), (21, 40352), (Start: 29 @40382 has 135 MA's), (Start: 32 @40391 has 12 MA's), (Start: 35 @40403 has 12 MA's), (43, 40529), (45, 40571), (48, 40622), (56, 40691), (61, 40748), (67, 40862), (68, 40865), (81, 40952), (82, 40955), (86, 41039), (87, 41042), (89, 41057), (99, 41132), (105, 41207), (119, 41315), (124, 41393), (125, 41402), (136, 41462), (140, 41498), (146, 41546), (156, 41633),

Gene: Lego3393_47 Start: 40486, Stop: 41841, Start Num: 19

Candidate Starts for Lego3393_47:

(Start: 19 @40486 has 24 MA's), (21, 40495), (Start: 29 @40525 has 135 MA's), (Start: 32 @40534 has 12 MA's), (Start: 35 @40546 has 12 MA's), (Start: 36 @40552 has 66 MA's), (43, 40672), (45,

40714), (48, 40765), (59, 40879), (61, 40891), (67, 40993), (81, 41080), (82, 41083), (86, 41167), (89, 41185), (99, 41260), (105, 41335), (119, 41443), (124, 41521), (125, 41530), (136, 41590), (140, 41626), (146, 41674), (156, 41761),

Gene: Legolas_48 Start: 40124, Stop: 41431, Start Num: 32

Candidate Starts for Legolas_48:

(Start: 19 @40076 has 24 MA's), (21, 40085), (Start: 29 @40115 has 135 MA's), (Start: 32 @40124 has 12 MA's), (Start: 35 @40136 has 12 MA's), (Start: 36 @40142 has 66 MA's), (43, 40262), (45, 40304), (48, 40355), (59, 40469), (61, 40481), (67, 40583), (81, 40670), (82, 40673), (86, 40757), (89, 40775), (99, 40850), (105, 40925), (119, 41033), (124, 41111), (125, 41120), (136, 41180), (140, 41216), (146, 41264), (156, 41351),

Gene: LeiMonet_49 Start: 40104, Stop: 41393, Start Num: 36

Candidate Starts for LeiMonet_49:

(Start: 19 @40038 has 24 MA's), (21, 40047), (Start: 29 @40077 has 135 MA's), (Start: 32 @40086 has 12 MA's), (Start: 35 @40098 has 12 MA's), (Start: 36 @40104 has 66 MA's), (43, 40224), (45, 40266), (48, 40317), (59, 40431), (61, 40443), (67, 40545), (81, 40632), (82, 40635), (86, 40719), (89, 40737), (99, 40812), (105, 40887), (119, 40995), (124, 41073), (125, 41082), (136, 41142), (140, 41178), (146, 41226), (156, 41313),

Gene: LemonSlice_48 Start: 40082, Stop: 41398, Start Num: 29

Candidate Starts for LemonSlice_48:

(Start: 19 @40043 has 24 MA's), (21, 40052), (Start: 29 @40082 has 135 MA's), (Start: 32 @40091 has 12 MA's), (Start: 35 @40103 has 12 MA's), (43, 40229), (45, 40271), (48, 40322), (59, 40436), (61, 40448), (67, 40550), (81, 40637), (82, 40640), (86, 40724), (89, 40742), (99, 40817), (105, 40892), (119, 41000), (124, 41078), (125, 41087), (136, 41147), (140, 41183), (146, 41231), (156, 41318),

Gene: Liefie_27 Start: 23884, Stop: 25200, Start Num: 30

Candidate Starts for Liefie_27:

(Start: 26 @23869 has 9 MA's), (Start: 30 @23884 has 45 MA's), (Start: 36 @23905 has 66 MA's), (43, 24025), (45, 24067), (48, 24118), (61, 24244), (71, 24367), (84, 24517), (116, 24784), (134, 24946), (144, 25033), (159, 25129), (166, 25192),

Gene: LilHam_39 Start: 35467, Stop: 37050, Start Num: 31

Candidate Starts for LilHam_39:

(Start: 20 @35428 has 1 MA's), (Start: 31 @35467 has 25 MA's), (Start: 35 @35482 has 12 MA's), (54, 35752), (63, 35872), (73, 35956), (88, 36127), (90, 36136), (92, 36142), (93, 36145), (94, 36175), (98, 36205), (106, 36286), (113, 36346), (124, 36472), (125, 36481), (145, 36607), (163, 36763), (167, 36811), (168, 36832), (169, 36835), (172, 36859), (173, 36874), (174, 36907), (175, 36934), (183, 37024),

Gene: LitninMcQueen_22 Start: 18659, Stop: 19951, Start Num: 23

Candidate Starts for LitninMcQueen_22:

(Start: 23 @18659 has 3 MA's), (Start: 31 @18674 has 25 MA's), (41, 18797), (59, 19040), (62, 19064), (65, 19115), (72, 19154), (78, 19220), (84, 19304), (86, 19319), (90, 19340), (92, 19346), (93, 19349), (94, 19379), (99, 19412), (109, 19511), (110, 19514), (111, 19532), (117, 19571), (119, 19589), (131, 19715), (132, 19724), (139, 19763), (142, 19790),

Gene: Longacauda_47 Start: 40105, Stop: 41394, Start Num: 36

Candidate Starts for Longacauda_47:

(Start: 19 @40039 has 24 MA's), (21, 40048), (Start: 29 @40078 has 135 MA's), (Start: 32 @40087 has 12 MA's), (Start: 35 @40099 has 12 MA's), (Start: 36 @40105 has 66 MA's), (43, 40225), (45, 40267), (48, 40318), (59, 40432), (61, 40444), (67, 40546), (81, 40633), (82, 40636), (86, 40720), (89,

40738), (99, 40813), (105, 40888), (119, 40996), (124, 41074), (125, 41083), (136, 41143), (140, 41179), (146, 41227), (156, 41314),

Gene: Lopsy_47 Start: 39931, Stop: 41259, Start Num: 29

Candidate Starts for Lopsy_47:

(Start: 19 @39892 has 24 MA's), (21, 39901), (Start: 29 @39931 has 135 MA's), (Start: 32 @39940 has 12 MA's), (Start: 35 @39952 has 12 MA's), (43, 40078), (45, 40120), (48, 40171), (56, 40240), (61, 40297), (67, 40411), (81, 40498), (82, 40501), (86, 40585), (87, 40588), (89, 40603), (99, 40678), (105, 40753), (119, 40861), (124, 40939), (125, 40948), (129, 40963), (136, 41008), (140, 41044), (146, 41092), (156, 41179),

Gene: LostAndPhound_47 Start: 40085, Stop: 41413, Start Num: 29

Candidate Starts for LostAndPhound_47:

(Start: 19 @40046 has 24 MA's), (21, 40055), (Start: 29 @40085 has 135 MA's), (Start: 32 @40094 has 12 MA's), (Start: 35 @40106 has 12 MA's), (43, 40232), (45, 40274), (48, 40325), (59, 40439), (61, 40451), (67, 40565), (81, 40652), (82, 40655), (86, 40739), (89, 40757), (99, 40832), (105, 40907), (119, 41015), (124, 41093), (125, 41102), (136, 41162), (140, 41198), (146, 41246), (156, 41333),

Gene: LouisV14_27 Start: 23870, Stop: 25201, Start Num: 26

Candidate Starts for LouisV14_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Lucky10_20 Start: 17297, Stop: 18589, Start Num: 23

Candidate Starts for Lucky10_20:

(18, 17261), (Start: 23 @17297 has 3 MA's), (Start: 31 @17312 has 25 MA's), (41, 17435), (59, 17678), (62, 17702), (65, 17753), (72, 17792), (84, 17942), (86, 17957), (93, 17987), (94, 18017), (99, 18050), (110, 18152), (111, 18170), (117, 18209), (119, 18227), (131, 18353), (132, 18362), (139, 18401), (142, 18428),

Gene: LuckyMarjie_47 Start: 40085, Stop: 41401, Start Num: 29

Candidate Starts for LuckyMarjie_47:

(Start: 19 @40046 has 24 MA's), (21, 40055), (Start: 29 @40085 has 135 MA's), (Start: 32 @40094 has 12 MA's), (Start: 35 @40106 has 12 MA's), (Start: 36 @40112 has 66 MA's), (43, 40232), (45, 40274), (48, 40325), (59, 40439), (61, 40451), (67, 40553), (81, 40640), (82, 40643), (86, 40727), (89, 40745), (99, 40820), (105, 40895), (119, 41003), (124, 41081), (125, 41090), (136, 41150), (140, 41186), (146, 41234), (156, 41321),

Gene: Lulumae_47 Start: 40097, Stop: 41386, Start Num: 36

Candidate Starts for Lulumae_47:

(Start: 19 @40031 has 24 MA's), (21, 40040), (Start: 29 @40070 has 135 MA's), (Start: 32 @40079 has 12 MA's), (Start: 35 @40091 has 12 MA's), (Start: 36 @40097 has 66 MA's), (43, 40217), (45, 40259), (48, 40310), (59, 40424), (61, 40436), (67, 40538), (81, 40625), (82, 40628), (86, 40712), (89, 40730), (99, 40805), (105, 40880), (119, 40988), (124, 41066), (125, 41075), (136, 41135), (140, 41171), (146, 41219), (156, 41306),

Gene: Lumine_47 Start: 40093, Stop: 41382, Start Num: 36

Candidate Starts for Lumine_47:

(Start: 19 @40027 has 24 MA's), (21, 40036), (Start: 29 @40066 has 135 MA's), (Start: 32 @40075 has 12 MA's), (Start: 35 @40087 has 12 MA's), (Start: 36 @40093 has 66 MA's), (43, 40213), (45, 40255), (48, 40306), (59, 40420), (61, 40432), (67, 40534), (81, 40621), (82, 40624), (86, 40708), (89, 40726), (99, 40801), (105, 40876), (119, 40984), (124, 41062), (125, 41071), (136, 41131), (140,

41167), (146, 41215), (156, 41302),

Gene: MRabcd_47 Start: 40076, Stop: 41392, Start Num: 29

Candidate Starts for MRabcd_47:

(Start: 19 @40037 has 24 MA's), (21, 40046), (Start: 29 @40076 has 135 MA's), (Start: 32 @40085 has 12 MA's), (Start: 35 @40097 has 12 MA's), (Start: 36 @40103 has 66 MA's), (43, 40223), (45, 40265), (48, 40316), (59, 40430), (61, 40442), (67, 40544), (81, 40631), (82, 40634), (86, 40718), (89, 40736), (99, 40811), (105, 40886), (113, 40949), (119, 40994), (124, 41072), (125, 41081), (136, 41141), (140, 41177), (146, 41225), (156, 41312),

Gene: Mag7_47 Start: 40012, Stop: 41316, Start Num: 36

Candidate Starts for Mag7_47:

(Start: 19 @39946 has 24 MA's), (21, 39955), (Start: 29 @39985 has 135 MA's), (Start: 32 @39994 has 12 MA's), (Start: 35 @40006 has 12 MA's), (Start: 36 @40012 has 66 MA's), (43, 40132), (45, 40174), (48, 40225), (61, 40351), (67, 40465), (68, 40468), (81, 40555), (82, 40558), (86, 40642), (87, 40645), (89, 40660), (99, 40735), (105, 40810), (119, 40918), (124, 40996), (125, 41005), (136, 41065), (140, 41101), (146, 41149), (156, 41236),

Gene: Magic8_48 Start: 40447, Stop: 41751, Start Num: 36

Candidate Starts for Magic8_48:

(Start: 19 @40381 has 24 MA's), (21, 40390), (Start: 29 @40420 has 135 MA's), (Start: 32 @40429 has 12 MA's), (Start: 35 @40441 has 12 MA's), (Start: 36 @40447 has 66 MA's), (43, 40567), (45, 40609), (48, 40660), (61, 40786), (67, 40900), (68, 40903), (81, 40990), (82, 40993), (86, 41077), (87, 41080), (89, 41095), (99, 41170), (105, 41245), (119, 41353), (124, 41431), (125, 41440), (136, 41500), (140, 41536), (146, 41584), (156, 41671),

Gene: Mana_47 Start: 40085, Stop: 41401, Start Num: 29

Candidate Starts for Mana_47:

(Start: 19 @40046 has 24 MA's), (21, 40055), (Start: 29 @40085 has 135 MA's), (Start: 32 @40094 has 12 MA's), (Start: 35 @40106 has 12 MA's), (Start: 36 @40112 has 66 MA's), (43, 40232), (45, 40274), (48, 40325), (59, 40439), (61, 40451), (67, 40553), (81, 40640), (82, 40643), (86, 40727), (89, 40745), (99, 40820), (105, 40895), (119, 41003), (124, 41081), (125, 41090), (136, 41150), (140, 41186), (146, 41234), (156, 41321),

Gene: Manad_48 Start: 40333, Stop: 41661, Start Num: 29

Candidate Starts for Manad_48:

(Start: 19 @40294 has 24 MA's), (21, 40303), (Start: 29 @40333 has 135 MA's), (Start: 32 @40342 has 12 MA's), (Start: 35 @40354 has 12 MA's), (43, 40480), (45, 40522), (48, 40573), (56, 40642), (61, 40699), (67, 40813), (81, 40900), (82, 40903), (86, 40987), (87, 40990), (89, 41005), (99, 41080), (105, 41155), (119, 41263), (124, 41341), (125, 41350), (129, 41365), (136, 41410), (140, 41446), (146, 41494), (156, 41581),

Gene: Marmie_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Marmie_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Maru_47 Start: 40028, Stop: 41344, Start Num: 29

Candidate Starts for Maru_47:

(Start: 19 @39989 has 24 MA's), (21, 39998), (Start: 29 @40028 has 135 MA's), (Start: 32 @40037 has 12 MA's), (Start: 35 @40049 has 12 MA's), (Start: 36 @40055 has 66 MA's), (43, 40175), (45, 40217), (48, 40268), (59, 40382), (61, 40394), (67, 40496), (81, 40583), (82, 40586), (86, 40670), (89,

40688), (99, 40763), (105, 40838), (119, 40946), (124, 41024), (125, 41033), (136, 41093), (140, 41129), (146, 41177), (156, 41264),

Gene: Maselop_50 Start: 35727, Stop: 37070, Start Num: 33

Candidate Starts for Maselop_50:

(Start: 33 @35727 has 5 MA's), (47, 35925), (49, 35955), (50, 35967), (55, 36006), (59, 36078), (66, 36156), (76, 36198), (77, 36207), (86, 36330), (87, 36333), (93, 36363), (100, 36432), (106, 36480), (123, 36663), (130, 36696), (133, 36726), (137, 36738), (148, 36846), (152, 36891), (164, 36996),

Gene: Maskar_48 Start: 40093, Stop: 41382, Start Num: 36

Candidate Starts for Maskar_48:

(Start: 19 @40027 has 24 MA's), (21, 40036), (Start: 29 @40066 has 135 MA's), (Start: 32 @40075 has 12 MA's), (Start: 35 @40087 has 12 MA's), (Start: 36 @40093 has 66 MA's), (43, 40213), (45, 40255), (48, 40306), (59, 40420), (61, 40432), (67, 40534), (81, 40621), (82, 40624), (86, 40708), (89, 40726), (99, 40801), (105, 40876), (119, 40984), (124, 41062), (125, 41071), (136, 41131), (140, 41167), (146, 41215), (156, 41302),

Gene: Matalotodo_48 Start: 40380, Stop: 41696, Start Num: 29

Candidate Starts for Matalotodo_48:

(Start: 19 @40341 has 24 MA's), (21, 40350), (Start: 29 @40380 has 135 MA's), (Start: 32 @40389 has 12 MA's), (Start: 35 @40401 has 12 MA's), (43, 40527), (45, 40569), (48, 40620), (59, 40734), (61, 40746), (67, 40848), (81, 40935), (82, 40938), (86, 41022), (89, 41040), (99, 41115), (105, 41190), (119, 41298), (124, 41376), (125, 41385), (136, 41445), (140, 41481), (146, 41529), (156, 41616),

Gene: Mbo4_19 Start: 17568, Stop: 18866, Start Num: 31

Candidate Starts for Mbo4_19:

(27, 17553), (Start: 31 @17568 has 25 MA's), (Start: 35 @17583 has 12 MA's), (39, 17646), (50, 17814), (52, 17826), (54, 17844), (59, 17925), (61, 17937), (70, 18045), (75, 18072), (87, 18222), (113, 18429), (115, 18450), (123, 18552), (135, 18600), (150, 18711), (157, 18774),

Gene: Mcshane_47 Start: 40077, Stop: 41393, Start Num: 29

Candidate Starts for Mcshane_47:

(Start: 19 @40038 has 24 MA's), (21, 40047), (Start: 29 @40077 has 135 MA's), (Start: 32 @40086 has 12 MA's), (Start: 35 @40098 has 12 MA's), (Start: 36 @40104 has 66 MA's), (43, 40224), (45, 40266), (48, 40317), (59, 40431), (61, 40443), (67, 40545), (81, 40632), (82, 40635), (86, 40719), (89, 40737), (99, 40812), (105, 40887), (119, 40995), (124, 41073), (125, 41082), (136, 41142), (140, 41178), (146, 41226), (156, 41313),

Gene: Mecca_47 Start: 40083, Stop: 41399, Start Num: 29

Candidate Starts for Mecca_47:

(Start: 19 @40044 has 24 MA's), (21, 40053), (Start: 29 @40083 has 135 MA's), (Start: 32 @40092 has 12 MA's), (Start: 35 @40104 has 12 MA's), (Start: 36 @40110 has 66 MA's), (43, 40230), (45, 40272), (48, 40323), (59, 40437), (61, 40449), (67, 40551), (81, 40638), (82, 40641), (86, 40725), (89, 40743), (99, 40818), (105, 40893), (119, 41001), (124, 41079), (125, 41088), (136, 41148), (140, 41184), (146, 41232), (156, 41319),

Gene: Megamind20_48 Start: 40114, Stop: 41421, Start Num: 32

Candidate Starts for Megamind20_48:

(Start: 19 @40066 has 24 MA's), (21, 40075), (Start: 29 @40105 has 135 MA's), (Start: 32 @40114 has 12 MA's), (Start: 35 @40126 has 12 MA's), (43, 40252), (45, 40294), (48, 40345), (59, 40459), (61, 40471), (67, 40573), (81, 40660), (82, 40663), (86, 40747), (89, 40765), (99, 40840), (105, 40915), (119, 41023), (124, 41101), (125, 41110), (136, 41170), (140, 41206), (146, 41254), (156, 41341),

Gene: Megatron_49 Start: 40513, Stop: 41829, Start Num: 29

Candidate Starts for Megatron_49:

(Start: 19 @40474 has 24 MA's), (21, 40483), (Start: 29 @40513 has 135 MA's), (Start: 32 @40522 has 12 MA's), (Start: 35 @40534 has 12 MA's), (Start: 36 @40540 has 66 MA's), (43, 40660), (45, 40702), (48, 40753), (59, 40867), (61, 40879), (67, 40981), (81, 41068), (82, 41071), (86, 41155), (89, 41173), (99, 41248), (105, 41323), (119, 41431), (124, 41509), (125, 41518), (136, 41578), (140, 41614), (146, 41662), (156, 41749),

Gene: Melc17_48 Start: 40384, Stop: 41691, Start Num: 32

Candidate Starts for Melc17_48:

(Start: 19 @40336 has 24 MA's), (21, 40345), (Start: 29 @40375 has 135 MA's), (Start: 32 @40384 has 12 MA's), (Start: 35 @40396 has 12 MA's), (Start: 36 @40402 has 66 MA's), (43, 40522), (45, 40564), (48, 40615), (59, 40729), (61, 40741), (67, 40843), (81, 40930), (82, 40933), (86, 41017), (87, 41020), (89, 41035), (99, 41110), (105, 41185), (119, 41293), (124, 41371), (125, 41380), (129, 41395), (136, 41440), (140, 41476), (146, 41524), (156, 41611),

Gene: MelsMeow_48 Start: 40143, Stop: 41432, Start Num: 36

Candidate Starts for MelsMeow_48:

(Start: 19 @40077 has 24 MA's), (21, 40086), (Start: 29 @40116 has 135 MA's), (Start: 32 @40125 has 12 MA's), (Start: 35 @40137 has 12 MA's), (Start: 36 @40143 has 66 MA's), (43, 40263), (45, 40305), (48, 40356), (59, 40470), (61, 40482), (67, 40584), (81, 40671), (82, 40674), (86, 40758), (89, 40776), (99, 40851), (105, 40926), (113, 40989), (119, 41034), (124, 41112), (125, 41121), (136, 41181), (140, 41217), (146, 41265), (156, 41352),

Gene: Mesh1_48 Start: 40392, Stop: 41708, Start Num: 29

Candidate Starts for Mesh1_48:

(Start: 19 @40353 has 24 MA's), (21, 40362), (Start: 29 @40392 has 135 MA's), (Start: 32 @40401 has 12 MA's), (Start: 35 @40413 has 12 MA's), (43, 40539), (45, 40581), (48, 40632), (59, 40746), (61, 40758), (67, 40860), (81, 40947), (82, 40950), (86, 41034), (89, 41052), (99, 41127), (105, 41202), (119, 41310), (124, 41388), (125, 41397), (136, 41457), (140, 41493), (146, 41541), (156, 41628),

Gene: MichaelPhcott_47 Start: 39991, Stop: 41313, Start Num: 32

Candidate Starts for MichaelPhcott_47:

(Start: 19 @39943 has 24 MA's), (21, 39952), (Start: 29 @39982 has 135 MA's), (Start: 32 @39991 has 12 MA's), (Start: 35 @40003 has 12 MA's), (Start: 36 @40009 has 66 MA's), (43, 40129), (45, 40171), (48, 40222), (61, 40348), (67, 40462), (68, 40465), (81, 40552), (82, 40555), (86, 40639), (87, 40642), (89, 40657), (99, 40732), (105, 40807), (119, 40915), (124, 40993), (125, 41002), (136, 41062), (140, 41098), (146, 41146), (156, 41233),

Gene: Mikota_48 Start: 40363, Stop: 41679, Start Num: 29

Candidate Starts for Mikota_48:

(Start: 19 @40324 has 24 MA's), (21, 40333), (Start: 29 @40363 has 135 MA's), (Start: 32 @40372 has 12 MA's), (Start: 35 @40384 has 12 MA's), (Start: 36 @40390 has 66 MA's), (43, 40510), (45, 40552), (48, 40603), (59, 40717), (61, 40729), (67, 40831), (81, 40918), (82, 40921), (86, 41005), (89, 41023), (99, 41098), (105, 41173), (119, 41281), (124, 41359), (125, 41368), (136, 41428), (140, 41464), (146, 41512), (156, 41599),

Gene: MiniBoss_48 Start: 40330, Stop: 41685, Start Num: 19

Candidate Starts for MiniBoss_48:

(Start: 19 @40330 has 24 MA's), (21, 40339), (Start: 29 @40369 has 135 MA's), (Start: 32 @40378 has 12 MA's), (Start: 35 @40390 has 12 MA's), (43, 40516), (45, 40558), (48, 40609), (59, 40723), (61, 40735), (67, 40837), (81, 40924), (82, 40927), (86, 41011), (89, 41029), (99, 41104), (105, 41179), (113, 41242), (119, 41287), (124, 41365), (125, 41374), (136, 41434), (140, 41470), (146, 41518),

(156, 41605),

Gene: MitKao_48 Start: 40083, Stop: 41411, Start Num: 29

Candidate Starts for MitKao_48:

(Start: 19 @40044 has 24 MA's), (21, 40053), (Start: 29 @40083 has 135 MA's), (Start: 32 @40092 has 12 MA's), (Start: 35 @40104 has 12 MA's), (43, 40230), (45, 40272), (48, 40323), (59, 40437), (61, 40449), (67, 40563), (81, 40650), (82, 40653), (86, 40737), (89, 40755), (99, 40830), (105, 40905), (119, 41013), (124, 41091), (125, 41100), (136, 41160), (140, 41196), (146, 41244), (156, 41331),

Gene: Morgushi_48 Start: 40111, Stop: 41400, Start Num: 36

Candidate Starts for Morgushi_48:

(Start: 19 @40045 has 24 MA's), (21, 40054), (Start: 29 @40084 has 135 MA's), (Start: 32 @40093 has 12 MA's), (Start: 35 @40105 has 12 MA's), (Start: 36 @40111 has 66 MA's), (43, 40231), (45, 40273), (48, 40324), (59, 40438), (61, 40450), (67, 40552), (81, 40639), (82, 40642), (86, 40726), (89, 40744), (99, 40819), (105, 40894), (113, 40957), (119, 41002), (124, 41080), (125, 41089), (136, 41149), (140, 41185), (146, 41233), (156, 41320),

Gene: Morty_49 Start: 40522, Stop: 41838, Start Num: 29

Candidate Starts for Morty_49:

(Start: 19 @40483 has 24 MA's), (21, 40492), (Start: 29 @40522 has 135 MA's), (Start: 32 @40531 has 12 MA's), (Start: 35 @40543 has 12 MA's), (Start: 36 @40549 has 66 MA's), (43, 40669), (45, 40711), (48, 40762), (59, 40876), (61, 40888), (67, 40990), (81, 41077), (82, 41080), (86, 41164), (89, 41182), (99, 41257), (105, 41332), (119, 41440), (124, 41518), (125, 41527), (136, 41587), (140, 41623), (146, 41671), (156, 41758),

Gene: Mosaic_47 Start: 40077, Stop: 41405, Start Num: 29

Candidate Starts for Mosaic_47:

(Start: 19 @40038 has 24 MA's), (21, 40047), (Start: 29 @40077 has 135 MA's), (Start: 32 @40086 has 12 MA's), (Start: 35 @40098 has 12 MA's), (43, 40224), (45, 40266), (48, 40317), (59, 40431), (61, 40443), (67, 40557), (81, 40644), (82, 40647), (86, 40731), (89, 40749), (99, 40824), (105, 40899), (119, 41007), (124, 41085), (125, 41094), (136, 41154), (140, 41190), (146, 41238), (156, 41325),

Gene: Mowgli_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Mowgli_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: MrPhizzler_47 Start: 40113, Stop: 41402, Start Num: 36

Candidate Starts for MrPhizzler_47:

(Start: 19 @40047 has 24 MA's), (21, 40056), (Start: 29 @40086 has 135 MA's), (Start: 32 @40095 has 12 MA's), (Start: 35 @40107 has 12 MA's), (Start: 36 @40113 has 66 MA's), (43, 40233), (45, 40275), (48, 40326), (59, 40440), (61, 40452), (67, 40554), (81, 40641), (82, 40644), (86, 40728), (89, 40746), (99, 40821), (105, 40896), (119, 41004), (124, 41082), (125, 41091), (136, 41151), (140, 41187), (146, 41235), (156, 41322),

Gene: Mulan_48 Start: 40266, Stop: 41555, Start Num: 36

Candidate Starts for Mulan_48:

(Start: 19 @40200 has 24 MA's), (21, 40209), (Start: 29 @40239 has 135 MA's), (Start: 32 @40248 has 12 MA's), (Start: 35 @40260 has 12 MA's), (Start: 36 @40266 has 66 MA's), (43, 40386), (45, 40428), (48, 40479), (59, 40593), (61, 40605), (67, 40707), (81, 40794), (82, 40797), (86, 40881), (89, 40899), (99, 40974), (105, 41049), (119, 41157), (124, 41235), (125, 41244), (136, 41304), (140, 41340), (146, 41388), (156, 41475),

Gene: Murdoc_48 Start: 40370, Stop: 41686, Start Num: 29

Candidate Starts for Murdoc_48:

(Start: 19 @40331 has 24 MA's), (21, 40340), (Start: 29 @40370 has 135 MA's), (Start: 32 @40379 has 12 MA's), (Start: 35 @40391 has 12 MA's), (Start: 36 @40397 has 66 MA's), (43, 40517), (45, 40559), (48, 40610), (59, 40724), (61, 40736), (67, 40838), (81, 40925), (82, 40928), (86, 41012), (89, 41030), (99, 41105), (105, 41180), (119, 41288), (124, 41366), (125, 41375), (129, 41390), (136, 41435), (140, 41471), (146, 41519), (156, 41606),

Gene: Mutante_47 Start: 40116, Stop: 41405, Start Num: 36

Candidate Starts for Mutante_47:

(Start: 19 @40050 has 24 MA's), (21, 40059), (Start: 29 @40089 has 135 MA's), (Start: 32 @40098 has 12 MA's), (Start: 35 @40110 has 12 MA's), (Start: 36 @40116 has 66 MA's), (43, 40236), (45, 40278), (48, 40329), (59, 40443), (61, 40455), (67, 40557), (81, 40644), (82, 40647), (86, 40731), (89, 40749), (99, 40824), (105, 40899), (119, 41007), (124, 41085), (125, 41094), (136, 41154), (140, 41190), (146, 41238), (156, 41325),

Gene: Nacho_0049 Start: 40516, Stop: 41832, Start Num: 29

Candidate Starts for Nacho_0049:

(Start: 19 @40477 has 24 MA's), (21, 40486), (Start: 29 @40516 has 135 MA's), (Start: 32 @40525 has 12 MA's), (Start: 35 @40537 has 12 MA's), (Start: 36 @40543 has 66 MA's), (43, 40663), (45, 40705), (48, 40756), (59, 40870), (61, 40882), (67, 40984), (81, 41071), (82, 41074), (86, 41158), (89, 41176), (99, 41251), (105, 41326), (113, 41389), (119, 41434), (124, 41512), (125, 41521), (129, 41536), (136, 41581), (140, 41617), (146, 41665), (156, 41752),

Gene: Natkenzie_42 Start: 37710, Stop: 39302, Start Num: 35

Candidate Starts for Natkenzie_42:

(Start: 31 @37695 has 25 MA's), (Start: 35 @37710 has 12 MA's), (41, 37818), (59, 38061), (63, 38100), (67, 38181), (87, 38370), (103, 38499), (106, 38538), (120, 38664), (125, 38739), (128, 38751), (147, 38880), (153, 38931), (158, 38970), (163, 39021), (168, 39087), (170, 39093), (173, 39129), (179, 39222), (181, 39267), (184, 39288),

Gene: Newman_48 Start: 40375, Stop: 41703, Start Num: 29

Candidate Starts for Newman_48:

(Start: 19 @40336 has 24 MA's), (21, 40345), (Start: 29 @40375 has 135 MA's), (Start: 32 @40384 has 12 MA's), (Start: 35 @40396 has 12 MA's), (43, 40522), (45, 40564), (48, 40615), (56, 40684), (61, 40741), (67, 40855), (81, 40942), (82, 40945), (86, 41029), (89, 41047), (99, 41122), (105, 41197), (113, 41260), (119, 41305), (124, 41383), (125, 41392), (136, 41452), (140, 41488), (146, 41536), (156, 41623),

Gene: Nicole21_48 Start: 40376, Stop: 41707, Start Num: 29

Candidate Starts for Nicole21_48:

(Start: 19 @40337 has 24 MA's), (21, 40346), (Start: 29 @40376 has 135 MA's), (Start: 32 @40385 has 12 MA's), (Start: 35 @40397 has 12 MA's), (Start: 36 @40403 has 66 MA's), (43, 40523), (45, 40565), (48, 40616), (61, 40742), (67, 40856), (68, 40859), (81, 40946), (82, 40949), (86, 41033), (87, 41036), (89, 41051), (99, 41126), (105, 41201), (119, 41309), (124, 41387), (125, 41396), (136, 41456), (140, 41492), (146, 41540), (156, 41627),

Gene: Numberten_48 Start: 40382, Stop: 41698, Start Num: 29

Candidate Starts for Numberten_48:

(Start: 19 @40343 has 24 MA's), (21, 40352), (Start: 29 @40382 has 135 MA's), (Start: 32 @40391 has 12 MA's), (Start: 35 @40403 has 12 MA's), (Start: 36 @40409 has 66 MA's), (43, 40529), (45, 40571), (48, 40622), (59, 40736), (61, 40748), (67, 40850), (81, 40937), (82, 40940), (86, 41024), (89,

41042), (99, 41117), (105, 41192), (119, 41300), (124, 41378), (125, 41387), (136, 41447), (140, 41483), (146, 41531), (156, 41618),

Gene: Nyala_47 Start: 40108, Stop: 41397, Start Num: 36

Candidate Starts for Nyala_47:

(Start: 19 @40042 has 24 MA's), (21, 40051), (Start: 29 @40081 has 135 MA's), (Start: 32 @40090 has 12 MA's), (Start: 35 @40102 has 12 MA's), (Start: 36 @40108 has 66 MA's), (43, 40228), (45, 40270), (48, 40321), (59, 40435), (61, 40447), (67, 40549), (81, 40636), (82, 40639), (86, 40723), (89, 40741), (99, 40816), (105, 40891), (119, 40999), (124, 41077), (125, 41086), (136, 41146), (140, 41182), (146, 41230), (156, 41317),

Gene: OSmaximus_49 Start: 40555, Stop: 41871, Start Num: 29

Candidate Starts for OSmaximus_49:

(Start: 19 @40516 has 24 MA's), (21, 40525), (Start: 29 @40555 has 135 MA's), (Start: 32 @40564 has 12 MA's), (Start: 35 @40576 has 12 MA's), (Start: 36 @40582 has 66 MA's), (43, 40702), (45, 40744), (48, 40795), (59, 40909), (61, 40921), (67, 41023), (81, 41110), (82, 41113), (86, 41197), (89, 41215), (99, 41290), (105, 41365), (119, 41473), (124, 41551), (125, 41560), (136, 41620), (140, 41656), (146, 41704), (156, 41791),

Gene: OctaviousRex_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for OctaviousRex_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Olak_48 Start: 40111, Stop: 41400, Start Num: 36

Candidate Starts for Olak_48:

(Start: 19 @40045 has 24 MA's), (21, 40054), (Start: 29 @40084 has 135 MA's), (Start: 32 @40093 has 12 MA's), (Start: 35 @40105 has 12 MA's), (Start: 36 @40111 has 66 MA's), (43, 40231), (45, 40273), (48, 40324), (59, 40438), (61, 40450), (67, 40552), (81, 40639), (82, 40642), (86, 40726), (89, 40744), (99, 40819), (105, 40894), (119, 41002), (124, 41080), (125, 41089), (136, 41149), (140, 41185), (146, 41233), (156, 41320),

Gene: Olga_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Olga_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Oline_47 Start: 39965, Stop: 41260, Start Num: 35

Candidate Starts for Oline_47:

(Start: 19 @39905 has 24 MA's), (21, 39914), (Start: 29 @39944 has 135 MA's), (Start: 32 @39953 has 12 MA's), (Start: 35 @39965 has 12 MA's), (Start: 36 @39971 has 66 MA's), (43, 40091), (45, 40133), (48, 40184), (59, 40298), (61, 40310), (67, 40412), (81, 40499), (82, 40502), (86, 40586), (89, 40604), (99, 40679), (105, 40754), (119, 40862), (124, 40940), (125, 40949), (136, 41009), (140, 41045), (146, 41093), (156, 41180),

Gene: Olive_48 Start: 40371, Stop: 41687, Start Num: 29

Candidate Starts for Olive_48:

(Start: 19 @40332 has 24 MA's), (21, 40341), (Start: 29 @40371 has 135 MA's), (Start: 32 @40380 has 12 MA's), (Start: 35 @40392 has 12 MA's), (Start: 36 @40398 has 66 MA's), (43, 40518), (45, 40560), (48, 40611), (59, 40725), (61, 40737), (67, 40839), (81, 40926), (82, 40929), (86, 41013), (89, 41031), (99, 41106), (105, 41181), (119, 41289), (124, 41367), (125, 41376), (136, 41436), (140,

41472), (146, 41520), (156, 41607),

Gene: OliverWalter_48 Start: 40420, Stop: 41709, Start Num: 36

Candidate Starts for OliverWalter_48:

(Start: 19 @40354 has 24 MA's), (21, 40363), (Start: 29 @40393 has 135 MA's), (Start: 32 @40402 has 12 MA's), (Start: 35 @40414 has 12 MA's), (Start: 36 @40420 has 66 MA's), (43, 40540), (45, 40582), (48, 40633), (59, 40747), (61, 40759), (67, 40861), (81, 40948), (82, 40951), (86, 41035), (87, 41038), (89, 41053), (99, 41128), (105, 41203), (119, 41311), (124, 41389), (125, 41398), (129, 41413), (136, 41458), (140, 41494), (146, 41542), (156, 41629),

Gene: Omniscient_48 Start: 40390, Stop: 41706, Start Num: 29

Candidate Starts for Omniscient_48:

(Start: 19 @40351 has 24 MA's), (21, 40360), (Start: 29 @40390 has 135 MA's), (Start: 32 @40399 has 12 MA's), (Start: 35 @40411 has 12 MA's), (Start: 36 @40417 has 66 MA's), (43, 40537), (45, 40579), (48, 40630), (59, 40744), (61, 40756), (67, 40858), (81, 40945), (82, 40948), (86, 41032), (89, 41050), (99, 41125), (105, 41200), (119, 41308), (124, 41386), (125, 41395), (136, 41455), (140, 41491), (146, 41539), (156, 41626),

Gene: Oosterbaan_48 Start: 40378, Stop: 41694, Start Num: 29

Candidate Starts for Oosterbaan_48:

(Start: 19 @40339 has 24 MA's), (21, 40348), (Start: 29 @40378 has 135 MA's), (Start: 32 @40387 has 12 MA's), (Start: 35 @40399 has 12 MA's), (Start: 36 @40405 has 66 MA's), (43, 40525), (45, 40567), (48, 40618), (59, 40732), (61, 40744), (67, 40846), (81, 40933), (82, 40936), (86, 41020), (87, 41023), (89, 41038), (99, 41113), (105, 41188), (119, 41296), (124, 41374), (125, 41383), (136, 41443), (140, 41479), (146, 41527), (156, 41614),

Gene: Orfeu_48 Start: 40038, Stop: 41393, Start Num: 19

Candidate Starts for Orfeu_48:

(Start: 19 @40038 has 24 MA's), (21, 40047), (Start: 29 @40077 has 135 MA's), (Start: 32 @40086 has 12 MA's), (Start: 35 @40098 has 12 MA's), (Start: 36 @40104 has 66 MA's), (43, 40224), (45, 40266), (48, 40317), (59, 40431), (61, 40443), (67, 40545), (81, 40632), (82, 40635), (86, 40719), (89, 40737), (99, 40812), (105, 40887), (119, 40995), (124, 41073), (125, 41082), (136, 41142), (140, 41178), (146, 41226), (156, 41313),

Gene: Orion_49 Start: 40538, Stop: 41827, Start Num: 36

Candidate Starts for Orion_49:

(Start: 19 @40472 has 24 MA's), (21, 40481), (Start: 29 @40511 has 135 MA's), (Start: 32 @40520 has 12 MA's), (Start: 35 @40532 has 12 MA's), (Start: 36 @40538 has 66 MA's), (43, 40658), (45, 40700), (48, 40751), (59, 40865), (61, 40877), (67, 40979), (81, 41066), (82, 41069), (86, 41153), (89, 41171), (99, 41246), (105, 41321), (119, 41429), (124, 41507), (125, 41516), (136, 41576), (140, 41612), (146, 41660), (156, 41747),

Gene: Orwigg_49 Start: 40086, Stop: 41393, Start Num: 32

Candidate Starts for Orwigg_49:

(Start: 19 @40038 has 24 MA's), (21, 40047), (Start: 29 @40077 has 135 MA's), (Start: 32 @40086 has 12 MA's), (Start: 35 @40098 has 12 MA's), (Start: 36 @40104 has 66 MA's), (43, 40224), (45, 40266), (48, 40317), (59, 40431), (61, 40443), (67, 40545), (81, 40632), (82, 40635), (86, 40719), (89, 40737), (99, 40812), (105, 40887), (119, 40995), (124, 41073), (125, 41082), (136, 41142), (140, 41178), (146, 41226), (156, 41313),

Gene: PG1_49 Start: 40551, Stop: 41840, Start Num: 36

Candidate Starts for PG1_49:

(Start: 19 @40485 has 24 MA's), (21, 40494), (Start: 29 @40524 has 135 MA's), (Start: 32 @40533 has 12 MA's), (Start: 35 @40545 has 12 MA's), (Start: 36 @40551 has 66 MA's), (43, 40671), (45, 40713), (48, 40764), (59, 40878), (61, 40890), (67, 40992), (81, 41079), (82, 41082), (86, 41166), (89, 41184), (99, 41259), (105, 41334), (119, 41442), (124, 41520), (125, 41529), (136, 41589), (140, 41625), (146, 41673), (156, 41760),

Gene: Pacifista_50 Start: 40089, Stop: 41396, Start Num: 32

Candidate Starts for Pacifista_50:

(Start: 19 @40041 has 24 MA's), (21, 40050), (Start: 29 @40080 has 135 MA's), (Start: 32 @40089 has 12 MA's), (Start: 35 @40101 has 12 MA's), (43, 40227), (45, 40269), (48, 40320), (59, 40434), (61, 40446), (67, 40548), (81, 40635), (82, 40638), (86, 40722), (89, 40740), (99, 40815), (105, 40890), (119, 40998), (124, 41076), (125, 41085), (136, 41145), (140, 41181), (146, 41229), (156, 41316),

Gene: Peeb_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Peeb_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Periodt_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Periodt_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (51, 24134), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (126, 24899), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Phabuloso_22 Start: 18659, Stop: 19951, Start Num: 23

Candidate Starts for Phabuloso_22:

(Start: 23 @18659 has 3 MA's), (Start: 31 @18674 has 25 MA's), (41, 18797), (52, 18941), (59, 19040), (62, 19064), (65, 19115), (72, 19154), (84, 19304), (86, 19319), (90, 19340), (92, 19346), (93, 19349), (94, 19379), (99, 19412), (109, 19511), (110, 19514), (111, 19532), (117, 19571), (119, 19589), (131, 19715), (132, 19724), (139, 19763), (142, 19790),

Gene: Phamished_49 Start: 40480, Stop: 41847, Start Num: 19

Candidate Starts for Phamished_49:

(Start: 19 @40480 has 24 MA's), (21, 40489), (Start: 29 @40519 has 135 MA's), (Start: 32 @40528 has 12 MA's), (Start: 35 @40540 has 12 MA's), (Start: 36 @40546 has 66 MA's), (43, 40666), (45, 40708), (48, 40759), (56, 40828), (61, 40885), (67, 40999), (81, 41086), (82, 41089), (86, 41173), (87, 41176), (89, 41191), (99, 41266), (105, 41341), (119, 41449), (124, 41527), (125, 41536), (129, 41551), (136, 41596), (140, 41632), (146, 41680), (156, 41767),

Gene: Phareon_48 Start: 40079, Stop: 41395, Start Num: 29

Candidate Starts for Phareon_48:

(Start: 19 @40040 has 24 MA's), (21, 40049), (Start: 29 @40079 has 135 MA's), (Start: 32 @40088 has 12 MA's), (Start: 35 @40100 has 12 MA's), (Start: 36 @40106 has 66 MA's), (43, 40226), (45, 40268), (48, 40319), (59, 40433), (61, 40445), (67, 40547), (81, 40634), (82, 40637), (86, 40721), (89, 40739), (99, 40814), (105, 40889), (119, 40997), (124, 41075), (125, 41084), (136, 41144), (140, 41180), (146, 41228), (156, 41315),

Gene: PhatCats2014_49 Start: 40489, Stop: 41844, Start Num: 19

Candidate Starts for PhatCats2014_49:

(Start: 19 @40489 has 24 MA's), (21, 40498), (Start: 29 @40528 has 135 MA's), (Start: 32 @40537 has 12 MA's), (Start: 35 @40549 has 12 MA's), (Start: 36 @40555 has 66 MA's), (43, 40675), (45, 40717), (48, 40768), (59, 40882), (61, 40894), (67, 40996), (81, 41083), (82, 41086), (86, 41170), (89,

41188), (99, 41263), (105, 41338), (119, 41446), (124, 41524), (125, 41533), (136, 41593), (140, 41629), (146, 41677), (156, 41764),

Gene: PhatLouie_48 Start: 40409, Stop: 41698, Start Num: 36

Candidate Starts for PhatLouie_48:

(Start: 19 @40343 has 24 MA's), (21, 40352), (Start: 29 @40382 has 135 MA's), (Start: 32 @40391 has 12 MA's), (Start: 35 @40403 has 12 MA's), (Start: 36 @40409 has 66 MA's), (43, 40529), (45, 40571), (48, 40622), (59, 40736), (61, 40748), (67, 40850), (81, 40937), (82, 40940), (86, 41024), (89, 41042), (99, 41117), (105, 41192), (119, 41300), (124, 41378), (125, 41387), (136, 41447), (140, 41483), (146, 41531), (156, 41618),

Gene: PhenghisKhan_47 Start: 40015, Stop: 41319, Start Num: 36

Candidate Starts for PhenghisKhan_47:

(Start: 19 @39949 has 24 MA's), (21, 39958), (Start: 29 @39988 has 135 MA's), (Start: 32 @39997 has 12 MA's), (Start: 35 @40009 has 12 MA's), (Start: 36 @40015 has 66 MA's), (43, 40135), (45, 40177), (48, 40228), (61, 40354), (67, 40468), (68, 40471), (81, 40558), (82, 40561), (86, 40645), (87, 40648), (89, 40663), (99, 40738), (105, 40813), (119, 40921), (124, 40999), (125, 41008), (136, 41068), (140, 41104), (146, 41152), (156, 41239),

Gene: Pherdinand_49 Start: 40519, Stop: 41835, Start Num: 29

Candidate Starts for Pherdinand_49:

(Start: 19 @40480 has 24 MA's), (21, 40489), (Start: 29 @40519 has 135 MA's), (Start: 32 @40528 has 12 MA's), (Start: 35 @40540 has 12 MA's), (Start: 36 @40546 has 66 MA's), (43, 40666), (45, 40708), (48, 40759), (59, 40873), (61, 40885), (67, 40987), (81, 41074), (82, 41077), (86, 41161), (89, 41179), (99, 41254), (105, 41329), (119, 41437), (124, 41515), (125, 41524), (136, 41584), (140, 41620), (146, 41668), (156, 41755),

Gene: Phipps_48 Start: 40359, Stop: 41675, Start Num: 29

Candidate Starts for Phipps_48:

(Start: 19 @40320 has 24 MA's), (21, 40329), (Start: 29 @40359 has 135 MA's), (Start: 32 @40368 has 12 MA's), (Start: 35 @40380 has 12 MA's), (Start: 36 @40386 has 66 MA's), (43, 40506), (45, 40548), (48, 40599), (59, 40713), (61, 40725), (67, 40827), (81, 40914), (82, 40917), (86, 41001), (87, 41004), (89, 41019), (99, 41094), (105, 41169), (119, 41277), (124, 41355), (125, 41364), (129, 41379), (136, 41424), (140, 41460), (146, 41508), (156, 41595),

Gene: Phish_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Phish_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Phleuron_47 Start: 40012, Stop: 41316, Start Num: 36

Candidate Starts for Phleuron_47:

(Start: 19 @39946 has 24 MA's), (21, 39955), (Start: 29 @39985 has 135 MA's), (Start: 32 @39994 has 12 MA's), (Start: 35 @40006 has 12 MA's), (Start: 36 @40012 has 66 MA's), (43, 40132), (45, 40174), (48, 40225), (61, 40351), (67, 40465), (68, 40468), (81, 40555), (82, 40558), (86, 40642), (87, 40645), (89, 40660), (99, 40735), (105, 40810), (119, 40918), (124, 40996), (125, 41005), (136, 41065), (140, 41101), (146, 41149), (156, 41236),

Gene: PhrankReynolds_46 Start: 40012, Stop: 41316, Start Num: 36

Candidate Starts for PhrankReynolds_46:

(Start: 19 @39946 has 24 MA's), (21, 39955), (Start: 29 @39985 has 135 MA's), (Start: 32 @39994 has 12 MA's), (Start: 35 @40006 has 12 MA's), (Start: 36 @40012 has 66 MA's), (43, 40132), (45,

40174), (48, 40225), (61, 40351), (67, 40465), (68, 40468), (81, 40555), (82, 40558), (86, 40642), (87, 40645), (89, 40660), (99, 40735), (105, 40810), (119, 40918), (124, 40996), (125, 41005), (136, 41065), (140, 41101), (146, 41149), (156, 41236),

Gene: Phreak_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Phreak_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: PhrodoBaggins_48 Start: 40534, Stop: 41823, Start Num: 36

Candidate Starts for PhrodoBaggins_48:

(Start: 19 @40468 has 24 MA's), (21, 40477), (Start: 29 @40507 has 135 MA's), (Start: 32 @40516 has 12 MA's), (Start: 35 @40528 has 12 MA's), (Start: 36 @40534 has 66 MA's), (43, 40654), (45, 40696), (48, 40747), (59, 40861), (61, 40873), (67, 40975), (81, 41062), (82, 41065), (86, 41149), (89, 41167), (99, 41242), (105, 41317), (119, 41425), (124, 41503), (125, 41512), (136, 41572), (140, 41608), (146, 41656), (156, 41743),

Gene: Piglet_0048 Start: 40510, Stop: 41817, Start Num: 35

Candidate Starts for Piglet_0048:

(Start: 19 @40450 has 24 MA's), (21, 40459), (Start: 29 @40489 has 135 MA's), (Start: 32 @40498 has 12 MA's), (Start: 35 @40510 has 12 MA's), (43, 40636), (45, 40678), (48, 40729), (56, 40798), (61, 40855), (67, 40969), (81, 41056), (82, 41059), (86, 41143), (87, 41146), (89, 41161), (99, 41236), (105, 41311), (119, 41419), (124, 41497), (125, 41506), (129, 41521), (136, 41566), (140, 41602), (146, 41650), (156, 41737),

Gene: PinheadLarry_48 Start: 40089, Stop: 41405, Start Num: 29

Candidate Starts for PinheadLarry_48:

(Start: 19 @40050 has 24 MA's), (21, 40059), (Start: 29 @40089 has 135 MA's), (Start: 32 @40098 has 12 MA's), (Start: 35 @40110 has 12 MA's), (Start: 36 @40116 has 66 MA's), (43, 40236), (45, 40278), (48, 40329), (59, 40443), (61, 40455), (67, 40557), (81, 40644), (82, 40647), (86, 40731), (89, 40749), (99, 40824), (105, 40899), (119, 41007), (124, 41085), (125, 41094), (136, 41154), (140, 41190), (146, 41238), (156, 41325),

Gene: PinkYoshi_27 Start: 23876, Stop: 25192, Start Num: 30

Candidate Starts for PinkYoshi_27:

(Start: 26 @23861 has 9 MA's), (Start: 30 @23876 has 45 MA's), (Start: 36 @23897 has 66 MA's), (43, 24017), (45, 24059), (48, 24110), (61, 24236), (71, 24359), (84, 24509), (116, 24776), (134, 24938), (144, 25025), (159, 25121), (166, 25184),

Gene: Pinkman_47 Start: 39965, Stop: 41254, Start Num: 36

Candidate Starts for Pinkman_47:

(Start: 19 @39899 has 24 MA's), (21, 39908), (Start: 29 @39938 has 135 MA's), (Start: 32 @39947 has 12 MA's), (Start: 35 @39959 has 12 MA's), (Start: 36 @39965 has 66 MA's), (43, 40085), (45, 40127), (48, 40178), (59, 40292), (61, 40304), (67, 40406), (81, 40493), (82, 40496), (86, 40580), (89, 40598), (99, 40673), (105, 40748), (119, 40856), (124, 40934), (125, 40943), (136, 41003), (140, 41039), (146, 41087), (156, 41174),

Gene: Pipsqueak_48 Start: 40383, Stop: 41699, Start Num: 29

Candidate Starts for Pipsqueak_48:

(Start: 19 @40344 has 24 MA's), (21, 40353), (Start: 29 @40383 has 135 MA's), (Start: 32 @40392 has 12 MA's), (Start: 35 @40404 has 12 MA's), (Start: 36 @40410 has 66 MA's), (43, 40530), (45, 40572), (48, 40623), (59, 40737), (61, 40749), (67, 40851), (81, 40938), (82, 40941), (86, 41025), (89,

41043), (99, 41118), (105, 41193), (119, 41301), (124, 41379), (125, 41388), (136, 41448), (140, 41484), (146, 41532), (156, 41619),

Gene: Placalicious_47 Start: 40076, Stop: 41392, Start Num: 29

Candidate Starts for Placalicious_47:

(Start: 19 @40037 has 24 MA's), (21, 40046), (Start: 29 @40076 has 135 MA's), (Start: 32 @40085 has 12 MA's), (Start: 35 @40097 has 12 MA's), (43, 40223), (45, 40265), (48, 40316), (59, 40430), (61, 40442), (67, 40544), (81, 40631), (82, 40634), (86, 40718), (89, 40736), (99, 40811), (105, 40886), (119, 40994), (124, 41072), (125, 41081), (136, 41141), (140, 41177), (146, 41225), (156, 41312),

Gene: Plagueis_27 Start: 23720, Stop: 25036, Start Num: 30

Candidate Starts for Plagueis_27:

(Start: 26 @23705 has 9 MA's), (Start: 30 @23720 has 45 MA's), (Start: 36 @23741 has 66 MA's), (43, 23861), (45, 23903), (48, 23954), (61, 24080), (71, 24203), (84, 24353), (116, 24620), (134, 24782), (144, 24869), (159, 24965), (166, 25028),

Gene: Plmatters_48 Start: 40379, Stop: 41695, Start Num: 29

Candidate Starts for Plmatters_48:

(Start: 19 @40340 has 24 MA's), (21, 40349), (Start: 29 @40379 has 135 MA's), (Start: 32 @40388 has 12 MA's), (Start: 35 @40400 has 12 MA's), (Start: 36 @40406 has 66 MA's), (43, 40526), (45, 40568), (48, 40619), (59, 40733), (61, 40745), (67, 40847), (81, 40934), (82, 40937), (86, 41021), (89, 41039), (99, 41114), (105, 41189), (119, 41297), (124, 41375), (125, 41384), (136, 41444), (140, 41480), (146, 41528), (156, 41615),

Gene: Podrick_48 Start: 40370, Stop: 41686, Start Num: 29

Candidate Starts for Podrick_48:

(Start: 19 @40331 has 24 MA's), (21, 40340), (Start: 29 @40370 has 135 MA's), (Start: 32 @40379 has 12 MA's), (Start: 35 @40391 has 12 MA's), (Start: 36 @40397 has 66 MA's), (43, 40517), (45, 40559), (48, 40610), (59, 40724), (61, 40736), (67, 40838), (81, 40925), (82, 40928), (86, 41012), (89, 41030), (99, 41105), (105, 41180), (119, 41288), (124, 41366), (125, 41375), (136, 41435), (140, 41471), (146, 41519), (156, 41606),

Gene: Polyzuki_50 Start: 35716, Stop: 37059, Start Num: 33

Candidate Starts for Polyzuki_50:

(Start: 33 @35716 has 5 MA's), (47, 35914), (49, 35944), (50, 35956), (55, 35995), (59, 36067), (66, 36145), (76, 36187), (77, 36196), (86, 36319), (87, 36322), (93, 36352), (100, 36421), (106, 36469), (123, 36652), (130, 36685), (133, 36715), (137, 36727), (148, 36835), (152, 36880), (164, 36985),

Gene: Pops_48 Start: 40421, Stop: 41710, Start Num: 36

Candidate Starts for Pops_48:

(Start: 19 @40355 has 24 MA's), (21, 40364), (Start: 29 @40394 has 135 MA's), (Start: 32 @40403 has 12 MA's), (Start: 35 @40415 has 12 MA's), (Start: 36 @40421 has 66 MA's), (43, 40541), (45, 40583), (48, 40634), (59, 40748), (61, 40760), (67, 40862), (81, 40949), (82, 40952), (86, 41036), (89, 41054), (99, 41129), (105, 41204), (113, 41267), (119, 41312), (124, 41390), (125, 41399), (136, 41459), (140, 41495), (146, 41543), (156, 41630),

Gene: Potter_47 Start: 40115, Stop: 41422, Start Num: 35

Candidate Starts for Potter_47:

(Start: 19 @40055 has 24 MA's), (21, 40064), (Start: 29 @40094 has 135 MA's), (Start: 32 @40103 has 12 MA's), (Start: 35 @40115 has 12 MA's), (43, 40241), (45, 40283), (48, 40334), (59, 40448), (61, 40460), (67, 40574), (81, 40661), (82, 40664), (86, 40748), (89, 40766), (99, 40841), (105, 40916), (119, 41024), (124, 41102), (125, 41111), (136, 41171), (140, 41207), (146, 41255), (156, 41342),

Gene: Prickles_48 Start: 40370, Stop: 41686, Start Num: 29

Candidate Starts for Prickles_48:

(Start: 19 @40331 has 24 MA's), (21, 40340), (Start: 29 @40370 has 135 MA's), (Start: 32 @40379 has 12 MA's), (Start: 35 @40391 has 12 MA's), (Start: 36 @40397 has 66 MA's), (43, 40517), (45, 40559), (48, 40610), (59, 40724), (61, 40736), (67, 40838), (81, 40925), (82, 40928), (86, 41012), (87, 41015), (89, 41030), (99, 41105), (105, 41180), (119, 41288), (124, 41366), (125, 41375), (136, 41435), (140, 41471), (146, 41519), (156, 41606),

Gene: ProfessorX_48 Start: 40371, Stop: 41687, Start Num: 29

Candidate Starts for ProfessorX_48:

(Start: 19 @40332 has 24 MA's), (21, 40341), (Start: 29 @40371 has 135 MA's), (Start: 32 @40380 has 12 MA's), (Start: 35 @40392 has 12 MA's), (Start: 36 @40398 has 66 MA's), (43, 40518), (45, 40560), (48, 40611), (59, 40725), (61, 40737), (67, 40839), (81, 40926), (82, 40929), (86, 41013), (89, 41031), (99, 41106), (105, 41181), (113, 41244), (119, 41289), (124, 41367), (125, 41376), (136, 41436), (140, 41472), (146, 41520), (156, 41607),

Gene: Puhltonio_48 Start: 40380, Stop: 41696, Start Num: 29

Candidate Starts for Puhltonio_48:

(Start: 19 @40341 has 24 MA's), (21, 40350), (Start: 29 @40380 has 135 MA's), (Start: 32 @40389 has 12 MA's), (Start: 35 @40401 has 12 MA's), (Start: 36 @40407 has 66 MA's), (43, 40527), (45, 40569), (48, 40620), (59, 40734), (61, 40746), (67, 40848), (81, 40935), (82, 40938), (86, 41022), (89, 41040), (99, 41115), (105, 41190), (119, 41298), (124, 41376), (125, 41385), (136, 41445), (140, 41481), (146, 41529), (156, 41616),

Gene: QueenBeane_48 Start: 40370, Stop: 41686, Start Num: 29

Candidate Starts for QueenBeane_48:

(Start: 19 @40331 has 24 MA's), (21, 40340), (Start: 29 @40370 has 135 MA's), (Start: 32 @40379 has 12 MA's), (Start: 35 @40391 has 12 MA's), (Start: 36 @40397 has 66 MA's), (43, 40517), (45, 40559), (48, 40610), (59, 40724), (61, 40736), (67, 40838), (81, 40925), (82, 40928), (86, 41012), (89, 41030), (99, 41105), (105, 41180), (119, 41288), (124, 41366), (125, 41375), (136, 41435), (140, 41471), (146, 41519), (156, 41606),

Gene: Quisquilliae_48 Start: 40407, Stop: 41723, Start Num: 29

Candidate Starts for Quisquilliae_48:

(Start: 19 @40368 has 24 MA's), (21, 40377), (Start: 29 @40407 has 135 MA's), (Start: 32 @40416 has 12 MA's), (Start: 35 @40428 has 12 MA's), (Start: 36 @40434 has 66 MA's), (43, 40554), (45, 40596), (48, 40647), (59, 40761), (61, 40773), (67, 40875), (81, 40962), (82, 40965), (86, 41049), (89, 41067), (99, 41142), (105, 41217), (119, 41325), (124, 41403), (125, 41412), (136, 41472), (140, 41508), (146, 41556), (156, 41643),

Gene: Rabbs_27 Start: 23968, Stop: 25284, Start Num: 30

Candidate Starts for Rabbs_27:

(Start: 26 @23953 has 9 MA's), (Start: 30 @23968 has 45 MA's), (Start: 36 @23989 has 66 MA's), (43, 24109), (45, 24151), (48, 24202), (61, 24328), (71, 24451), (84, 24601), (116, 24868), (126, 24982), (134, 25030), (144, 25117), (159, 25213), (166, 25276),

Gene: RedMaple_48 Start: 40521, Stop: 41837, Start Num: 29

Candidate Starts for RedMaple_48:

(Start: 19 @40482 has 24 MA's), (21, 40491), (Start: 29 @40521 has 135 MA's), (Start: 32 @40530 has 12 MA's), (Start: 35 @40542 has 12 MA's), (Start: 36 @40548 has 66 MA's), (43, 40668), (45, 40710), (48, 40761), (59, 40875), (61, 40887), (67, 40989), (81, 41076), (82, 41079), (86, 41163), (89, 41181), (99, 41256), (105, 41331), (119, 41439), (124, 41517), (125, 41526), (136, 41586), (140, 41622), (146, 41670), (156, 41757),

Gene: Rem711_35 Start: 27403, Stop: 28758, Start Num: 28

Candidate Starts for Rem711_35:

(Start: 28 @27403 has 1 MA's), (40, 27532), (42, 27547), (43, 27562), (47, 27619), (60, 27784), (63, 27823), (70, 27901), (79, 27979), (90, 28090), (92, 28096), (131, 28486), (136, 28507), (140, 28543), (146, 28591), (155, 28672), (162, 28732),

Gene: Remy19_27 Start: 23870, Stop: 25201, Start Num: 26

Candidate Starts for Remy19_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Renaissance_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Renaissance_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Ribeye_42 Start: 37298, Stop: 38881, Start Num: 31

Candidate Starts for Ribeye_42:

(Start: 20 @37259 has 1 MA's), (Start: 31 @37298 has 25 MA's), (Start: 35 @37313 has 12 MA's), (59, 37664), (63, 37703), (73, 37787), (88, 37958), (90, 37967), (92, 37973), (93, 37976), (94, 38006), (98, 38036), (106, 38117), (113, 38177), (124, 38303), (125, 38312), (154, 38516), (163, 38594), (167, 38642), (168, 38663), (169, 38666), (171, 38678), (172, 38690), (173, 38705), (174, 38738), (175, 38765), (183, 38855),

Gene: Ricotta_48 Start: 40102, Stop: 41409, Start Num: 32

Candidate Starts for Ricotta_48:

(Start: 19 @40054 has 24 MA's), (21, 40063), (Start: 29 @40093 has 135 MA's), (Start: 32 @40102 has 12 MA's), (Start: 35 @40114 has 12 MA's), (Start: 36 @40120 has 66 MA's), (43, 40240), (45, 40282), (48, 40333), (59, 40447), (61, 40459), (67, 40561), (81, 40648), (82, 40651), (86, 40735), (89, 40753), (99, 40828), (105, 40903), (119, 41011), (124, 41089), (125, 41098), (136, 41158), (140, 41194), (146, 41242), (156, 41329),

Gene: Riggan_48 Start: 40366, Stop: 41682, Start Num: 29

Candidate Starts for Riggan_48:

(Start: 19 @40327 has 24 MA's), (21, 40336), (Start: 29 @40366 has 135 MA's), (Start: 32 @40375 has 12 MA's), (Start: 35 @40387 has 12 MA's), (Start: 36 @40393 has 66 MA's), (43, 40513), (45, 40555), (48, 40606), (59, 40720), (61, 40732), (67, 40834), (81, 40921), (82, 40924), (86, 41008), (89, 41026), (99, 41101), (105, 41176), (113, 41239), (119, 41284), (124, 41362), (125, 41371), (136, 41431), (140, 41467), (146, 41515), (156, 41602),

Gene: Rimu_50 Start: 40133, Stop: 41422, Start Num: 36

Candidate Starts for Rimu_50:

(Start: 19 @40067 has 24 MA's), (21, 40076), (Start: 29 @40106 has 135 MA's), (Start: 32 @40115 has 12 MA's), (Start: 35 @40127 has 12 MA's), (Start: 36 @40133 has 66 MA's), (43, 40253), (45, 40295), (48, 40346), (59, 40460), (61, 40472), (67, 40574), (81, 40661), (82, 40664), (86, 40748), (89, 40766), (99, 40841), (105, 40916), (119, 41024), (124, 41102), (125, 41111), (136, 41171), (140, 41207), (146, 41255), (156, 41342),

Gene: Robyn_47 Start: 39950, Stop: 41278, Start Num: 29

Candidate Starts for Robyn_47:

(Start: 19 @39911 has 24 MA's), (21, 39920), (Start: 29 @39950 has 135 MA's), (Start: 32 @39959 has 12 MA's), (Start: 35 @39971 has 12 MA's), (43, 40097), (45, 40139), (48, 40190), (56, 40259), (61, 40316), (67, 40430), (81, 40517), (82, 40520), (86, 40604), (87, 40607), (89, 40622), (99, 40697), (105, 40772), (119, 40880), (124, 40958), (125, 40967), (129, 40982), (136, 41027), (140, 41063), (146, 41111), (156, 41198),

Gene: Roliet_48 Start: 40379, Stop: 41695, Start Num: 29

Candidate Starts for Roliet_48:

(Start: 19 @40340 has 24 MA's), (21, 40349), (Start: 29 @40379 has 135 MA's), (Start: 32 @40388 has 12 MA's), (Start: 35 @40400 has 12 MA's), (Start: 36 @40406 has 66 MA's), (43, 40526), (45, 40568), (48, 40619), (59, 40733), (61, 40745), (67, 40847), (81, 40934), (82, 40937), (86, 41021), (89, 41039), (99, 41114), (105, 41189), (113, 41252), (119, 41297), (124, 41375), (125, 41384), (136, 41444), (140, 41480), (146, 41528), (156, 41615),

Gene: Roscoe_49 Start: 40616, Stop: 41932, Start Num: 29

Candidate Starts for Roscoe_49:

(Start: 19 @40577 has 24 MA's), (21, 40586), (Start: 29 @40616 has 135 MA's), (Start: 32 @40625 has 12 MA's), (Start: 35 @40637 has 12 MA's), (Start: 36 @40643 has 66 MA's), (43, 40763), (45, 40805), (48, 40856), (59, 40970), (61, 40982), (67, 41084), (81, 41171), (82, 41174), (86, 41258), (89, 41276), (99, 41351), (105, 41426), (119, 41534), (124, 41612), (125, 41621), (136, 41681), (140, 41717), (146, 41765), (156, 41852),

Gene: Roy17_48 Start: 40097, Stop: 41386, Start Num: 36

Candidate Starts for Roy17_48:

(Start: 19 @40031 has 24 MA's), (21, 40040), (Start: 29 @40070 has 135 MA's), (Start: 32 @40079 has 12 MA's), (Start: 35 @40091 has 12 MA's), (Start: 36 @40097 has 66 MA's), (43, 40217), (45, 40259), (48, 40310), (59, 40424), (61, 40436), (67, 40538), (81, 40625), (82, 40628), (86, 40712), (89, 40730), (99, 40805), (105, 40880), (119, 40988), (124, 41066), (125, 41075), (136, 41135), (140, 41171), (146, 41219), (156, 41306),

Gene: SDcharge11_48 Start: 40384, Stop: 41673, Start Num: 36

Candidate Starts for SDcharge11_48:

(Start: 19 @40318 has 24 MA's), (21, 40327), (Start: 29 @40357 has 135 MA's), (Start: 32 @40366 has 12 MA's), (Start: 35 @40378 has 12 MA's), (Start: 36 @40384 has 66 MA's), (43, 40504), (45, 40546), (48, 40597), (59, 40711), (61, 40723), (67, 40825), (81, 40912), (82, 40915), (86, 40999), (89, 41017), (99, 41092), (105, 41167), (113, 41230), (119, 41275), (124, 41353), (125, 41362), (136, 41422), (140, 41458), (146, 41506), (156, 41593),

Gene: SamW_21 Start: 19818, Stop: 21044, Start Num: 31

Candidate Starts for SamW_21:

(Start: 31 @19818 has 25 MA's), (34, 19827), (Start: 36 @19833 has 66 MA's), (52, 20064), (54, 20082), (64, 20211), (66, 20259), (91, 20457), (97, 20523), (102, 20547), (106, 20580), (122, 20757), (136, 20820),

Gene: Samaymay_48 Start: 40370, Stop: 41686, Start Num: 29

Candidate Starts for Samaymay_48:

(Start: 19 @40331 has 24 MA's), (21, 40340), (Start: 29 @40370 has 135 MA's), (Start: 32 @40379 has 12 MA's), (Start: 35 @40391 has 12 MA's), (Start: 36 @40397 has 66 MA's), (43, 40517), (45, 40559), (48, 40610), (59, 40724), (61, 40736), (67, 40838), (81, 40925), (82, 40928), (86, 41012), (89, 41030), (99, 41105), (105, 41180), (119, 41288), (124, 41366), (125, 41375), (136, 41435), (140, 41471), (146, 41519), (156, 41606),

Gene: Sampson_42 Start: 37640, Stop: 39247, Start Num: 31

Candidate Starts for Sampson_42:

(Start: 31 @37640 has 25 MA's), (Start: 35 @37655 has 12 MA's), (41, 37763), (59, 38006), (63, 38045), (67, 38126), (87, 38315), (103, 38444), (106, 38483), (120, 38609), (125, 38684), (128, 38696), (147, 38825), (153, 38876), (158, 38915), (163, 38966), (168, 39032), (170, 39038), (173, 39074), (179, 39167), (181, 39212), (184, 39233),

Gene: Saronaya_41 Start: 36119, Stop: 37723, Start Num: 31

Candidate Starts for Saronaya_41:

(Start: 20 @36083 has 1 MA's), (Start: 31 @36119 has 25 MA's), (Start: 35 @36134 has 12 MA's), (59, 36485), (63, 36524), (73, 36626), (87, 36788), (88, 36797), (90, 36806), (92, 36812), (93, 36815), (94, 36845), (98, 36875), (101, 36893), (106, 36956), (113, 37016), (118, 37055), (124, 37142), (151, 37331), (163, 37433), (167, 37484), (168, 37505), (169, 37508), (172, 37532), (173, 37547), (174, 37580), (177, 37631), (182, 37685), (183, 37697),

Gene: SassyCat97_47 Start: 40082, Stop: 41413, Start Num: 29

Candidate Starts for SassyCat97_47:

(Start: 19 @40043 has 24 MA's), (21, 40052), (Start: 29 @40082 has 135 MA's), (Start: 32 @40091 has 12 MA's), (Start: 35 @40103 has 12 MA's), (43, 40229), (45, 40271), (48, 40322), (56, 40391), (61, 40448), (67, 40562), (68, 40565), (81, 40652), (82, 40655), (86, 40739), (87, 40742), (89, 40757), (99, 40832), (105, 40907), (119, 41015), (124, 41093), (125, 41102), (136, 41162), (140, 41198), (146, 41246), (156, 41333),

Gene: Schadenfreude_47 Start: 39924, Stop: 41252, Start Num: 29

Candidate Starts for Schadenfreude_47:

(Start: 19 @39885 has 24 MA's), (21, 39894), (Start: 29 @39924 has 135 MA's), (Start: 32 @39933 has 12 MA's), (Start: 35 @39945 has 12 MA's), (43, 40071), (45, 40113), (48, 40164), (56, 40233), (61, 40290), (67, 40404), (81, 40491), (82, 40494), (86, 40578), (87, 40581), (89, 40596), (99, 40671), (105, 40746), (119, 40854), (124, 40932), (125, 40941), (129, 40956), (136, 41001), (140, 41037), (146, 41085), (156, 41172),

Gene: Schiebel_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Schiebel_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: SchottB_40 Start: 37140, Stop: 38723, Start Num: 31

Candidate Starts for SchottB_40:

(Start: 20 @37101 has 1 MA's), (Start: 31 @37140 has 25 MA's), (Start: 35 @37155 has 12 MA's), (54, 37425), (59, 37506), (63, 37545), (73, 37629), (88, 37800), (90, 37809), (92, 37815), (93, 37818), (94, 37848), (98, 37878), (106, 37959), (113, 38019), (124, 38145), (125, 38154), (145, 38280), (163, 38436), (167, 38484), (168, 38505), (169, 38508), (172, 38532), (173, 38547), (174, 38580), (175, 38607), (183, 38697),

Gene: Schueller_48 Start: 40122, Stop: 41411, Start Num: 36

Candidate Starts for Schueller_48:

(Start: 19 @40056 has 24 MA's), (21, 40065), (Start: 29 @40095 has 135 MA's), (Start: 32 @40104 has 12 MA's), (Start: 35 @40116 has 12 MA's), (Start: 36 @40122 has 66 MA's), (43, 40242), (45, 40284), (48, 40335), (59, 40449), (61, 40461), (67, 40563), (81, 40650), (82, 40653), (86, 40737), (89, 40755), (99, 40830), (105, 40905), (119, 41013), (124, 41091), (125, 41100), (136, 41160), (140, 41196), (146, 41244), (156, 41331),

Gene: Scioto_43 Start: 37696, Stop: 39303, Start Num: 31

Candidate Starts for Scioto_43:

(Start: 31 @37696 has 25 MA's), (Start: 35 @37711 has 12 MA's), (41, 37819), (59, 38062), (63, 38101), (67, 38182), (87, 38371), (103, 38500), (106, 38539), (120, 38665), (125, 38740), (128, 38752), (147, 38881), (153, 38932), (158, 38971), (163, 39022), (168, 39088), (170, 39094), (173, 39130), (179, 39223), (181, 39268), (184, 39289),

Gene: Scoot17C_49 Start: 40540, Stop: 41829, Start Num: 36

Candidate Starts for Scoot17C_49:

(Start: 19 @40474 has 24 MA's), (21, 40483), (Start: 29 @40513 has 135 MA's), (Start: 32 @40522 has 12 MA's), (Start: 35 @40534 has 12 MA's), (Start: 36 @40540 has 66 MA's), (43, 40660), (45, 40702), (48, 40753), (59, 40867), (61, 40879), (67, 40981), (81, 41068), (82, 41071), (86, 41155), (89, 41173), (99, 41248), (105, 41323), (119, 41431), (124, 41509), (125, 41518), (136, 41578), (140, 41614), (146, 41662), (156, 41749),

Gene: Scrick_48 Start: 40106, Stop: 41422, Start Num: 29

Candidate Starts for Scrick_48:

(Start: 19 @40067 has 24 MA's), (21, 40076), (Start: 29 @40106 has 135 MA's), (Start: 32 @40115 has 12 MA's), (Start: 35 @40127 has 12 MA's), (Start: 36 @40133 has 66 MA's), (43, 40253), (45, 40295), (48, 40346), (59, 40460), (61, 40472), (67, 40574), (81, 40661), (82, 40664), (86, 40748), (89, 40766), (99, 40841), (105, 40916), (119, 41024), (124, 41102), (125, 41111), (136, 41171), (140, 41207), (146, 41255), (156, 41342),

Gene: Selr12_50 Start: 40136, Stop: 41425, Start Num: 36

Candidate Starts for Selr12_50:

(Start: 19 @40070 has 24 MA's), (21, 40079), (Start: 29 @40109 has 135 MA's), (Start: 32 @40118 has 12 MA's), (Start: 35 @40130 has 12 MA's), (Start: 36 @40136 has 66 MA's), (43, 40256), (45, 40298), (48, 40349), (59, 40463), (61, 40475), (67, 40577), (81, 40664), (82, 40667), (86, 40751), (89, 40769), (99, 40844), (105, 40919), (119, 41027), (124, 41105), (125, 41114), (136, 41174), (140, 41210), (146, 41258), (156, 41345),

Gene: Serendipity_48 Start: 40394, Stop: 41710, Start Num: 29

Candidate Starts for Serendipity_48:

(Start: 19 @40355 has 24 MA's), (21, 40364), (Start: 29 @40394 has 135 MA's), (Start: 32 @40403 has 12 MA's), (Start: 35 @40415 has 12 MA's), (Start: 36 @40421 has 66 MA's), (43, 40541), (45, 40583), (48, 40634), (59, 40748), (61, 40760), (67, 40862), (81, 40949), (82, 40952), (86, 41036), (89, 41054), (99, 41129), (105, 41204), (119, 41312), (124, 41390), (125, 41399), (136, 41459), (140, 41495), (146, 41543), (156, 41630),

Gene: Serpentine_0048 Start: 40381, Stop: 41709, Start Num: 29

Candidate Starts for Serpentine_0048:

(Start: 19 @40342 has 24 MA's), (21, 40351), (Start: 29 @40381 has 135 MA's), (Start: 32 @40390 has 12 MA's), (Start: 35 @40402 has 12 MA's), (43, 40528), (45, 40570), (48, 40621), (56, 40690), (61, 40747), (67, 40861), (81, 40948), (82, 40951), (86, 41035), (87, 41038), (89, 41053), (99, 41128), (105, 41203), (119, 41311), (124, 41389), (125, 41398), (129, 41413), (136, 41458), (140, 41494), (146, 41542), (156, 41629),

Gene: ShaboiShabazz_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for ShaboiShabazz_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Sheila_48 Start: 40419, Stop: 41735, Start Num: 29

Candidate Starts for Sheila_48:

(Start: 19 @40380 has 24 MA's), (21, 40389), (Start: 29 @40419 has 135 MA's), (Start: 32 @40428 has 12 MA's), (Start: 35 @40440 has 12 MA's), (Start: 36 @40446 has 66 MA's), (43, 40566), (45, 40608), (48, 40659), (59, 40773), (61, 40785), (67, 40887), (81, 40974), (82, 40977), (86, 41061), (89, 41079), (99, 41154), (105, 41229), (119, 41337), (124, 41415), (125, 41424), (136, 41484), (140, 41520), (146, 41568), (156, 41655),

Gene: ShiVal_48 Start: 40341, Stop: 41696, Start Num: 19

Candidate Starts for ShiVal_48:

(Start: 19 @40341 has 24 MA's), (21, 40350), (Start: 29 @40380 has 135 MA's), (Start: 32 @40389 has 12 MA's), (Start: 35 @40401 has 12 MA's), (Start: 36 @40407 has 66 MA's), (43, 40527), (45, 40569), (48, 40620), (59, 40734), (61, 40746), (67, 40848), (81, 40935), (82, 40938), (86, 41022), (89, 41040), (99, 41115), (105, 41190), (119, 41298), (124, 41376), (125, 41385), (136, 41445), (140, 41481), (146, 41529), (156, 41616),

Gene: Sigman_49 Start: 40531, Stop: 41820, Start Num: 36

Candidate Starts for Sigman_49:

(Start: 19 @40465 has 24 MA's), (21, 40474), (Start: 29 @40504 has 135 MA's), (Start: 32 @40513 has 12 MA's), (Start: 35 @40525 has 12 MA's), (Start: 36 @40531 has 66 MA's), (43, 40651), (45, 40693), (48, 40744), (59, 40858), (61, 40870), (67, 40972), (81, 41059), (82, 41062), (86, 41146), (89, 41164), (99, 41239), (105, 41314), (119, 41422), (124, 41500), (125, 41509), (136, 41569), (140, 41605), (146, 41653), (156, 41740),

Gene: Simielle_47 Start: 40063, Stop: 41379, Start Num: 29

Candidate Starts for Simielle_47:

(Start: 19 @40024 has 24 MA's), (21, 40033), (Start: 29 @40063 has 135 MA's), (Start: 32 @40072 has 12 MA's), (Start: 35 @40084 has 12 MA's), (Start: 36 @40090 has 66 MA's), (43, 40210), (45, 40252), (48, 40303), (59, 40417), (61, 40429), (67, 40531), (81, 40618), (82, 40621), (86, 40705), (89, 40723), (99, 40798), (105, 40873), (119, 40981), (124, 41059), (125, 41068), (136, 41128), (140, 41164), (146, 41212), (156, 41299),

Gene: Sizemore_27 Start: 23886, Stop: 25202, Start Num: 30

Candidate Starts for Sizemore_27:

(Start: 26 @23871 has 9 MA's), (Start: 30 @23886 has 45 MA's), (Start: 36 @23907 has 66 MA's), (43, 24027), (45, 24069), (48, 24120), (61, 24246), (71, 24369), (84, 24519), (116, 24786), (134, 24948), (144, 25035), (159, 25131), (166, 25194),

Gene: Skippy_48 Start: 40364, Stop: 41680, Start Num: 29

Candidate Starts for Skippy_48:

(Start: 19 @40325 has 24 MA's), (21, 40334), (Start: 29 @40364 has 135 MA's), (Start: 32 @40373 has 12 MA's), (Start: 35 @40385 has 12 MA's), (Start: 36 @40391 has 66 MA's), (43, 40511), (45, 40553), (48, 40604), (59, 40718), (61, 40730), (67, 40832), (81, 40919), (82, 40922), (86, 41006), (89, 41024), (99, 41099), (105, 41174), (119, 41282), (124, 41360), (125, 41369), (136, 41429), (140, 41465), (146, 41513), (156, 41600),

Gene: Slatt_48 Start: 40390, Stop: 41706, Start Num: 29

Candidate Starts for Slatt_48:

(Start: 19 @40351 has 24 MA's), (21, 40360), (Start: 29 @40390 has 135 MA's), (Start: 32 @40399 has 12 MA's), (Start: 35 @40411 has 12 MA's), (Start: 36 @40417 has 66 MA's), (43, 40537), (45, 40579), (48, 40630), (59, 40744), (61, 40756), (67, 40858), (81, 40945), (82, 40948), (86, 41032), (89, 41050), (99, 41125), (105, 41200), (119, 41308), (124, 41386), (125, 41395), (136, 41455), (140, 41491), (146, 41539), (156, 41626),

Gene: Sneeze_27 Start: 23967, Stop: 25283, Start Num: 30

Candidate Starts for Sneeze_27:

(Start: 26 @23952 has 9 MA's), (Start: 30 @23967 has 45 MA's), (Start: 36 @23988 has 66 MA's), (43, 24108), (45, 24150), (48, 24201), (61, 24327), (71, 24450), (84, 24600), (116, 24867), (126, 24981), (134, 25029), (144, 25116), (159, 25212), (166, 25275),

Gene: Soile_48 Start: 40093, Stop: 41409, Start Num: 29

Candidate Starts for Soile_48:

(Start: 19 @40054 has 24 MA's), (21, 40063), (Start: 29 @40093 has 135 MA's), (Start: 32 @40102 has 12 MA's), (Start: 35 @40114 has 12 MA's), (Start: 36 @40120 has 66 MA's), (43, 40240), (45, 40282), (48, 40333), (59, 40447), (61, 40459), (67, 40561), (81, 40648), (82, 40651), (86, 40735), (89, 40753), (99, 40828), (105, 40903), (113, 40966), (119, 41011), (124, 41089), (125, 41098), (136, 41158), (140, 41194), (146, 41242), (156, 41329),

Gene: Solosis_47 Start: 40091, Stop: 41407, Start Num: 29

Candidate Starts for Solosis_47:

(Start: 19 @40052 has 24 MA's), (21, 40061), (Start: 29 @40091 has 135 MA's), (Start: 32 @40100 has 12 MA's), (Start: 35 @40112 has 12 MA's), (Start: 36 @40118 has 66 MA's), (43, 40238), (45, 40280), (48, 40331), (59, 40445), (61, 40457), (67, 40559), (81, 40646), (82, 40649), (86, 40733), (89, 40751), (99, 40826), (105, 40901), (119, 41009), (124, 41087), (125, 41096), (136, 41156), (140, 41192), (146, 41240), (156, 41327),

Gene: Sophia_47 Start: 40085, Stop: 41401, Start Num: 29

Candidate Starts for Sophia_47:

(Start: 19 @40046 has 24 MA's), (21, 40055), (Start: 29 @40085 has 135 MA's), (Start: 32 @40094 has 12 MA's), (Start: 35 @40106 has 12 MA's), (Start: 36 @40112 has 66 MA's), (43, 40232), (45, 40274), (48, 40325), (59, 40439), (61, 40451), (67, 40553), (81, 40640), (82, 40643), (86, 40727), (89, 40745), (99, 40820), (105, 40895), (113, 40958), (119, 41003), (124, 41081), (125, 41090), (136, 41150), (140, 41186), (146, 41234), (156, 41321),

Gene: Soto_48 Start: 40352, Stop: 41707, Start Num: 19

Candidate Starts for Soto_48:

(Start: 19 @40352 has 24 MA's), (21, 40361), (Start: 29 @40391 has 135 MA's), (Start: 32 @40400 has 12 MA's), (Start: 35 @40412 has 12 MA's), (Start: 36 @40418 has 66 MA's), (43, 40538), (45, 40580), (48, 40631), (59, 40745), (61, 40757), (67, 40859), (81, 40946), (82, 40949), (86, 41033), (89, 41051), (99, 41126), (105, 41201), (113, 41264), (119, 41309), (124, 41387), (125, 41396), (136, 41456), (140, 41492), (146, 41540), (156, 41627),

Gene: Spartan300_48 Start: 40376, Stop: 41692, Start Num: 29

Candidate Starts for Spartan300_48:

(Start: 19 @40337 has 24 MA's), (21, 40346), (Start: 29 @40376 has 135 MA's), (Start: 32 @40385 has 12 MA's), (Start: 35 @40397 has 12 MA's), (Start: 36 @40403 has 66 MA's), (43, 40523), (45, 40565), (48, 40616), (59, 40730), (61, 40742), (67, 40844), (81, 40931), (82, 40934), (86, 41018), (89, 41036), (99, 41111), (105, 41186), (113, 41249), (119, 41294), (124, 41372), (125, 41381), (136, 41441), (140, 41477), (146, 41525), (156, 41612),

Gene: Squid_48 Start: 40103, Stop: 41413, Start Num: 35

Candidate Starts for Squid_48:

(Start: 19 @40043 has 24 MA's), (21, 40052), (Start: 29 @40082 has 135 MA's), (Start: 32 @40091 has 12 MA's), (Start: 35 @40103 has 12 MA's), (43, 40229), (45, 40271), (48, 40322), (56, 40391), (61, 40448), (67, 40562), (68, 40565), (81, 40652), (82, 40655), (86, 40739), (87, 40742), (89, 40757), (99, 40832), (105, 40907), (119, 41015), (124, 41093), (125, 41102), (136, 41162), (140, 41198), (146, 41246), (156, 41333),

Gene: Squiggle_48 Start: 40127, Stop: 41416, Start Num: 36

Candidate Starts for Squiggle_48:

(Start: 19 @40061 has 24 MA's), (21, 40070), (Start: 29 @40100 has 135 MA's), (Start: 32 @40109 has 12 MA's), (Start: 35 @40121 has 12 MA's), (Start: 36 @40127 has 66 MA's), (43, 40247), (45, 40289), (48, 40340), (59, 40454), (61, 40466), (67, 40568), (81, 40655), (82, 40658), (86, 40742), (89, 40760), (99, 40835), (105, 40910), (119, 41018), (124, 41096), (125, 41105), (136, 41165), (140, 41201), (146, 41249), (156, 41336),

Gene: StAB_21 Start: 19864, Stop: 21096, Start Num: 31

Candidate Starts for StAB_21:

(11, 19534), (12, 19549), (14, 19555), (Start: 31 @19864 has 25 MA's), (34, 19873), (52, 20110), (54, 20128), (64, 20257), (66, 20305), (91, 20503), (97, 20569), (102, 20593), (106, 20626), (121, 20752), (122, 20803), (136, 20866),

Gene: Struggle_47 Start: 39959, Stop: 41248, Start Num: 36

Candidate Starts for Struggle_47:

(Start: 19 @39893 has 24 MA's), (21, 39902), (Start: 29 @39932 has 135 MA's), (Start: 32 @39941 has 12 MA's), (Start: 35 @39953 has 12 MA's), (Start: 36 @39959 has 66 MA's), (43, 40079), (45, 40121), (48, 40172), (59, 40286), (61, 40298), (67, 40400), (81, 40487), (82, 40490), (86, 40574), (89, 40592), (99, 40667), (105, 40742), (119, 40850), (124, 40928), (125, 40937), (136, 40997), (140, 41033), (146, 41081), (156, 41168),

Gene: Suffolk_48 Start: 40342, Stop: 41697, Start Num: 19

Candidate Starts for Suffolk_48:

(Start: 19 @40342 has 24 MA's), (21, 40351), (Start: 29 @40381 has 135 MA's), (Start: 32 @40390 has 12 MA's), (Start: 35 @40402 has 12 MA's), (Start: 36 @40408 has 66 MA's), (43, 40528), (45, 40570), (48, 40621), (59, 40735), (61, 40747), (67, 40849), (81, 40936), (82, 40939), (86, 41023), (89, 41041), (99, 41116), (105, 41191), (119, 41299), (124, 41377), (125, 41386), (129, 41401), (136, 41446), (140, 41482), (146, 41530), (156, 41617),

Gene: Surely_48 Start: 40387, Stop: 41703, Start Num: 29

Candidate Starts for Surely_48:

(Start: 19 @40348 has 24 MA's), (21, 40357), (Start: 29 @40387 has 135 MA's), (Start: 32 @40396 has 12 MA's), (Start: 35 @40408 has 12 MA's), (43, 40534), (45, 40576), (48, 40627), (59, 40741), (61, 40753), (67, 40855), (81, 40942), (82, 40945), (86, 41029), (89, 41047), (99, 41122), (105, 41197), (119, 41305), (124, 41383), (125, 41392), (136, 41452), (140, 41488), (146, 41536), (156, 41623),

Gene: Sweets_27 Start: 23880, Stop: 25196, Start Num: 30

Candidate Starts for Sweets_27:

(Start: 26 @23865 has 9 MA's), (Start: 30 @23880 has 45 MA's), (Start: 36 @23901 has 66 MA's), (43, 24021), (45, 24063), (48, 24114), (61, 24240), (71, 24363), (84, 24513), (116, 24780), (134, 24942), (144, 25029), (159, 25125), (166, 25188),

Gene: Swiphy_50 Start: 40391, Stop: 41698, Start Num: 32

Candidate Starts for Swiphy_50:

(Start: 19 @40343 has 24 MA's), (21, 40352), (Start: 29 @40382 has 135 MA's), (Start: 32 @40391 has 12 MA's), (Start: 35 @40403 has 12 MA's), (Start: 36 @40409 has 66 MA's), (43, 40529), (45, 40571), (48, 40622), (59, 40736), (61, 40748), (67, 40850), (81, 40937), (82, 40940), (86, 41024), (89, 41042), (99, 41117), (105, 41192), (119, 41300), (124, 41378), (125, 41387), (136, 41447), (140, 41483), (146, 41531), (156, 41618),

Gene: Swish_49 Start: 40505, Stop: 41821, Start Num: 29

Candidate Starts for Swish_49:

(Start: 19 @40466 has 24 MA's), (21, 40475), (Start: 29 @40505 has 135 MA's), (Start: 32 @40514 has 12 MA's), (Start: 35 @40526 has 12 MA's), (Start: 36 @40532 has 66 MA's), (43, 40652), (45, 40694), (48, 40745), (59, 40859), (61, 40871), (67, 40973), (81, 41060), (82, 41063), (86, 41147), (89, 41165), (99, 41240), (105, 41315), (119, 41423), (124, 41501), (125, 41510), (136, 41570), (140, 41606), (146, 41654), (156, 41741),

Gene: TallGrassMM_48 Start: 40000, Stop: 41316, Start Num: 29

Candidate Starts for TallGrassMM_48:

(Start: 19 @39961 has 24 MA's), (21, 39970), (Start: 29 @40000 has 135 MA's), (Start: 32 @40009 has 12 MA's), (Start: 35 @40021 has 12 MA's), (Start: 36 @40027 has 66 MA's), (43, 40147), (45, 40189), (48, 40240), (59, 40354), (61, 40366), (67, 40468), (81, 40555), (82, 40558), (86, 40642), (89, 40660), (99, 40735), (105, 40810), (119, 40918), (124, 40996), (125, 41005), (136, 41065), (140, 41101), (146, 41149), (156, 41236),

Gene: Tangerine_41 Start: 36012, Stop: 37595, Start Num: 31

Candidate Starts for Tangerine_41:

(Start: 20 @35973 has 1 MA's), (Start: 31 @36012 has 25 MA's), (Start: 35 @36027 has 12 MA's), (59, 36378), (63, 36417), (73, 36501), (88, 36672), (90, 36681), (92, 36687), (93, 36690), (94, 36720), (98, 36750), (106, 36831), (113, 36891), (124, 37017), (125, 37026), (163, 37308), (167, 37356), (168, 37377), (169, 37380), (172, 37404), (173, 37419), (174, 37452), (183, 37569),

Gene: Tardus_43 Start: 37065, Stop: 38660, Start Num: 35

Candidate Starts for Tardus_43:

(Start: 31 @37050 has 25 MA's), (Start: 35 @37065 has 12 MA's), (59, 37416), (63, 37455), (67, 37539), (87, 37728), (103, 37857), (106, 37896), (120, 38022), (125, 38097), (128, 38109), (147, 38238), (153, 38289), (158, 38328), (163, 38379), (168, 38445), (170, 38451), (173, 38487), (179, 38580), (181, 38625), (184, 38646),

Gene: Telesworld_47 Start: 40079, Stop: 41395, Start Num: 29

Candidate Starts for Telesworld_47:

(Start: 19 @40040 has 24 MA's), (21, 40049), (Start: 29 @40079 has 135 MA's), (Start: 32 @40088 has 12 MA's), (Start: 35 @40100 has 12 MA's), (Start: 36 @40106 has 66 MA's), (43, 40226), (45, 40268), (48, 40319), (59, 40433), (61, 40445), (67, 40547), (81, 40634), (82, 40637), (86, 40721), (89, 40739), (99, 40814), (105, 40889), (119, 40997), (124, 41075), (125, 41084), (136, 41144), (140, 41180), (146, 41228), (156, 41315),

Gene: Thora_48 Start: 40386, Stop: 41702, Start Num: 29

Candidate Starts for Thora_48:

(Start: 19 @40347 has 24 MA's), (21, 40356), (Start: 29 @40386 has 135 MA's), (Start: 32 @40395 has 12 MA's), (Start: 35 @40407 has 12 MA's), (Start: 36 @40413 has 66 MA's), (43, 40533), (45, 40575), (48, 40626), (59, 40740), (61, 40752), (67, 40854), (81, 40941), (82, 40944), (86, 41028), (87, 41031), (89, 41046), (99, 41121), (105, 41196), (119, 41304), (124, 41382), (125, 41391), (136, 41451), (140, 41487), (146, 41535), (156, 41622),

Gene: ThreeOh3D2_49 Start: 40546, Stop: 41835, Start Num: 36

Candidate Starts for ThreeOh3D2_49:

(Start: 19 @40480 has 24 MA's), (21, 40489), (Start: 29 @40519 has 135 MA's), (Start: 32 @40528 has 12 MA's), (Start: 35 @40540 has 12 MA's), (Start: 36 @40546 has 66 MA's), (43, 40666), (45, 40708), (48, 40759), (59, 40873), (61, 40885), (67, 40987), (81, 41074), (82, 41077), (86, 41161), (89, 41179), (99, 41254), (105, 41329), (119, 41437), (124, 41515), (125, 41524), (136, 41584), (140, 41620), (146, 41668), (156, 41755),

Gene: Thunderbird_48 Start: 40096, Stop: 41403, Start Num: 32

Candidate Starts for Thunderbird_48:

(Start: 19 @40048 has 24 MA's), (21, 40057), (Start: 29 @40087 has 135 MA's), (Start: 32 @40096 has 12 MA's), (Start: 35 @40108 has 12 MA's), (Start: 36 @40114 has 66 MA's), (43, 40234), (45, 40276), (48, 40327), (59, 40441), (61, 40453), (67, 40555), (81, 40642), (82, 40645), (86, 40729), (89, 40747), (99, 40822), (105, 40897), (119, 41005), (124, 41083), (125, 41092), (136, 41152), (140, 41188), (146, 41236), (156, 41323),

Gene: Timmi_47 Start: 40095, Stop: 41402, Start Num: 32

Candidate Starts for Timmi_47:

(Start: 19 @40047 has 24 MA's), (21, 40056), (Start: 29 @40086 has 135 MA's), (Start: 32 @40095 has 12 MA's), (Start: 35 @40107 has 12 MA's), (Start: 36 @40113 has 66 MA's), (43, 40233), (45, 40275), (48, 40326), (59, 40440), (61, 40452), (67, 40554), (81, 40641), (82, 40644), (86, 40728), (89, 40746), (99, 40821), (105, 40896), (119, 41004), (124, 41082), (125, 41091), (136, 41151), (140, 41187), (146, 41235), (156, 41322),

Gene: TomBombadil_48 Start: 40371, Stop: 41687, Start Num: 29

Candidate Starts for TomBombadil_48:

(Start: 19 @40332 has 24 MA's), (21, 40341), (Start: 29 @40371 has 135 MA's), (Start: 32 @40380 has 12 MA's), (Start: 35 @40392 has 12 MA's), (Start: 36 @40398 has 66 MA's), (43, 40518), (45, 40560), (48, 40611), (59, 40725), (61, 40737), (67, 40839), (81, 40926), (82, 40929), (86, 41013), (89, 41031), (99, 41106), (105, 41181), (119, 41289), (124, 41367), (125, 41376), (136, 41436), (140, 41472), (146, 41520), (156, 41607),

Gene: TomBrady_27 Start: 23886, Stop: 25202, Start Num: 30

Candidate Starts for TomBrady_27:

(Start: 26 @23871 has 9 MA's), (Start: 30 @23886 has 45 MA's), (Start: 36 @23907 has 66 MA's), (43, 24027), (45, 24069), (48, 24120), (61, 24246), (71, 24369), (84, 24519), (116, 24786), (134, 24948), (144, 25035), (159, 25131), (166, 25194),

Gene: Tomlarah_48 Start: 40374, Stop: 41690, Start Num: 29

Candidate Starts for Tomlarah_48:

(Start: 19 @40335 has 24 MA's), (21, 40344), (Start: 29 @40374 has 135 MA's), (Start: 32 @40383 has 12 MA's), (Start: 35 @40395 has 12 MA's), (Start: 36 @40401 has 66 MA's), (43, 40521), (45, 40563), (48, 40614), (59, 40728), (61, 40740), (67, 40842), (81, 40929), (82, 40932), (86, 41016), (89, 41034), (99, 41109), (105, 41184), (119, 41292), (124, 41370), (125, 41379), (136, 41439), (140, 41475), (146, 41523), (156, 41610),

Gene: Toni_47 Start: 40078, Stop: 41394, Start Num: 29

Candidate Starts for Toni_47:

(Start: 19 @40039 has 24 MA's), (21, 40048), (Start: 29 @40078 has 135 MA's), (Start: 32 @40087 has 12 MA's), (Start: 35 @40099 has 12 MA's), (Start: 36 @40105 has 66 MA's), (43, 40225), (45, 40267), (48, 40318), (59, 40432), (61, 40444), (67, 40546), (81, 40633), (82, 40636), (86, 40720), (89, 40738), (99, 40813), (105, 40888), (119, 40996), (124, 41074), (125, 41083), (136, 41143), (140, 41179), (146, 41227), (156, 41314),

Gene: Tooj_48 Start: 40441, Stop: 41769, Start Num: 29

Candidate Starts for Tooj_48:

(Start: 19 @40402 has 24 MA's), (21, 40411), (Start: 29 @40441 has 135 MA's), (Start: 32 @40450 has 12 MA's), (Start: 35 @40462 has 12 MA's), (43, 40588), (45, 40630), (48, 40681), (56, 40750), (61, 40807), (67, 40921), (81, 41008), (82, 41011), (86, 41095), (87, 41098), (89, 41113), (99, 41188), (105, 41263), (119, 41371), (124, 41449), (125, 41458), (129, 41473), (136, 41518), (140, 41554), (146, 41602), (156, 41689),

Gene: Troy_21 Start: 19818, Stop: 21044, Start Num: 31

Candidate Starts for Troy_21:

(Start: 31 @19818 has 25 MA's), (34, 19827), (Start: 36 @19833 has 66 MA's), (52, 20064), (54, 20082), (64, 20211), (66, 20259), (91, 20457), (97, 20523), (102, 20547), (106, 20580), (122, 20757), (136, 20820),

Gene: True_47 Start: 40084, Stop: 41400, Start Num: 29

Candidate Starts for True_47:

(Start: 19 @40045 has 24 MA's), (21, 40054), (Start: 29 @40084 has 135 MA's), (Start: 32 @40093 has 12 MA's), (Start: 35 @40105 has 12 MA's), (43, 40231), (45, 40273), (48, 40324), (59, 40438), (61, 40450), (67, 40552), (81, 40639), (82, 40642), (86, 40726), (89, 40744), (99, 40819), (105, 40894), (119, 41002), (124, 41080), (125, 41089), (136, 41149), (140, 41185), (146, 41233), (156, 41320),

Gene: Trypo_49 Start: 40542, Stop: 41831, Start Num: 36

Candidate Starts for Trypo_49:

(Start: 19 @40476 has 24 MA's), (21, 40485), (Start: 29 @40515 has 135 MA's), (Start: 32 @40524 has 12 MA's), (Start: 35 @40536 has 12 MA's), (Start: 36 @40542 has 66 MA's), (43, 40662), (45, 40704), (48, 40755), (59, 40869), (61, 40881), (67, 40983), (81, 41070), (82, 41073), (86, 41157), (89, 41175), (99, 41250), (105, 41325), (119, 41433), (124, 41511), (125, 41520), (136, 41580), (140, 41616), (146, 41664), (156, 41751),

Gene: Tycho_41 Start: 36099, Stop: 37682, Start Num: 31

Candidate Starts for Tycho_41:

(Start: 20 @36060 has 1 MA's), (Start: 31 @36099 has 25 MA's), (Start: 35 @36114 has 12 MA's), (54, 36384), (59, 36465), (63, 36504), (73, 36588), (88, 36759), (90, 36768), (92, 36774), (93, 36777), (94, 36807), (98, 36837), (106, 36918), (113, 36978), (124, 37104), (125, 37113), (163, 37395), (167, 37443), (168, 37464), (169, 37467), (172, 37491), (173, 37506), (174, 37539), (183, 37656),

Gene: TyrionL_47 Start: 39901, Stop: 41256, Start Num: 19

Candidate Starts for TyrionL_47:

(Start: 19 @39901 has 24 MA's), (21, 39910), (Start: 29 @39940 has 135 MA's), (Start: 32 @39949 has 12 MA's), (Start: 35 @39961 has 12 MA's), (Start: 36 @39967 has 66 MA's), (43, 40087), (45, 40129), (48, 40180), (59, 40294), (61, 40306), (67, 40408), (81, 40495), (82, 40498), (86, 40582), (89, 40600), (99, 40675), (105, 40750), (119, 40858), (124, 40936), (125, 40945), (136, 41005), (140, 41041), (146, 41089), (156, 41176),

Gene: UAch1_48 Start: 40354, Stop: 41724, Start Num: 19

Candidate Starts for UAch1_48:

(Start: 19 @40354 has 24 MA's), (21, 40363), (Start: 29 @40393 has 135 MA's), (Start: 32 @40402 has 12 MA's), (Start: 35 @40414 has 12 MA's), (43, 40540), (45, 40582), (48, 40633), (56, 40702), (61, 40759), (67, 40873), (68, 40876), (81, 40963), (82, 40966), (86, 41050), (87, 41053), (89, 41068), (99, 41143), (105, 41218), (119, 41326), (124, 41404), (125, 41413), (129, 41428), (136, 41473), (140, 41509), (146, 41557), (156, 41644),

Gene: UncleHowie_48 Start: 40083, Stop: 41399, Start Num: 29

Candidate Starts for UncleHowie_48:

(Start: 19 @40044 has 24 MA's), (21, 40053), (Start: 29 @40083 has 135 MA's), (Start: 32 @40092 has 12 MA's), (Start: 35 @40104 has 12 MA's), (43, 40230), (45, 40272), (48, 40323), (59, 40437), (61, 40449), (67, 40551), (81, 40638), (82, 40641), (86, 40725), (89, 40743), (99, 40818), (105, 40893), (119, 41001), (124, 41079), (125, 41088), (136, 41148), (140, 41184), (146, 41232), (156, 41319),

Gene: Usavi_48 Start: 40409, Stop: 41698, Start Num: 36

Candidate Starts for Usavi_48:

(1, 39623), (2, 39626), (3, 39638), (4, 39647), (5, 39650), (6, 39653), (7, 39680), (8, 39683), (9, 39821), (10, 40004), (15, 40133), (Start: 19 @40343 has 24 MA's), (21, 40352), (Start: 29 @40382 has 135 MA's), (Start: 32 @40391 has 12 MA's), (Start: 35 @40403 has 12 MA's), (Start: 36 @40409 has 66 MA's), (43, 40529), (45, 40571), (48, 40622), (59, 40736), (61, 40748), (67, 40850), (81, 40937), (82, 40940), (86, 41024), (89, 41042), (99, 41117), (105, 41192), (119, 41300), (124, 41378), (125, 41387), (129, 41402), (136, 41447), (140, 41483), (146, 41531), (156, 41618),

Gene: Vaishali24_47 Start: 40042, Stop: 41370, Start Num: 29

Candidate Starts for Vaishali24_47:

(Start: 19 @40003 has 24 MA's), (21, 40012), (Start: 29 @40042 has 135 MA's), (Start: 32 @40051 has 12 MA's), (Start: 35 @40063 has 12 MA's), (43, 40189), (45, 40231), (48, 40282), (56, 40351), (61, 40408), (67, 40522), (81, 40609), (82, 40612), (86, 40696), (87, 40699), (89, 40714), (99, 40789), (105, 40864), (119, 40972), (124, 41050), (125, 41059), (129, 41074), (136, 41119), (140, 41155), (146, 41203), (156, 41290),

Gene: Valjean_48 Start: 40379, Stop: 41695, Start Num: 29

Candidate Starts for Valjean_48:

(Start: 19 @40340 has 24 MA's), (21, 40349), (Start: 29 @40379 has 135 MA's), (Start: 32 @40388 has 12 MA's), (Start: 35 @40400 has 12 MA's), (Start: 36 @40406 has 66 MA's), (43, 40526), (45, 40568), (48, 40619), (59, 40733), (61, 40745), (67, 40847), (81, 40934), (82, 40937), (86, 41021), (89, 41039), (99, 41114), (105, 41189), (119, 41297), (124, 41375), (125, 41384), (136, 41444), (140, 41480), (146, 41528), (156, 41615),

Gene: Vaticameos_44 Start: 38065, Stop: 39381, Start Num: 29

Candidate Starts for Vaticameos_44:

(Start: 19 @38026 has 24 MA's), (21, 38035), (Start: 29 @38065 has 135 MA's), (Start: 32 @38074 has 12 MA's), (Start: 35 @38086 has 12 MA's), (Start: 36 @38092 has 66 MA's), (43, 38212), (45, 38254), (48, 38305), (59, 38419), (61, 38431), (67, 38533), (81, 38620), (82, 38623), (86, 38707), (89, 38725), (99, 38800), (105, 38875), (119, 38983), (124, 39061), (125, 39070), (136, 39130), (140, 39166), (146, 39214), (156, 39301),

Gene: Veritas_47 Start: 39973, Stop: 41277, Start Num: 36

Candidate Starts for Veritas_47:

(Start: 19 @39907 has 24 MA's), (21, 39916), (Start: 29 @39946 has 135 MA's), (Start: 32 @39955 has 12 MA's), (Start: 35 @39967 has 12 MA's), (Start: 36 @39973 has 66 MA's), (43, 40093), (45, 40135), (48, 40186), (61, 40312), (67, 40426), (68, 40429), (81, 40516), (82, 40519), (86, 40603), (87, 40606), (89, 40621), (99, 40696), (105, 40771), (119, 40879), (124, 40957), (125, 40966), (136, 41026), (140, 41062), (146, 41110), (156, 41197),

Gene: Verity_41 Start: 37882, Stop: 39492, Start Num: 31

Candidate Starts for Verity_41:

(Start: 31 @37882 has 25 MA's), (Start: 35 @37897 has 12 MA's), (59, 38248), (63, 38287), (67, 38371), (85, 38554), (87, 38560), (106, 38728), (120, 38854), (125, 38929), (128, 38941), (147, 39070), (151, 39109), (153, 39121), (158, 39160), (163, 39211), (168, 39277), (170, 39283), (173, 39319), (179, 39412), (181, 39457), (183, 39475), (184, 39478),

Gene: ViaConlectus_42 Start: 36330, Stop: 37937, Start Num: 31

Candidate Starts for ViaConlectus_42:

(24, 36312), (Start: 31 @36330 has 25 MA's), (Start: 35 @36345 has 12 MA's), (59, 36696), (63, 36735), (67, 36816), (87, 37005), (103, 37134), (106, 37173), (120, 37299), (125, 37374), (128, 37386), (147, 37515), (153, 37566), (158, 37605), (163, 37656), (168, 37722), (170, 37728), (173, 37764), (179, 37857), (181, 37902), (184, 37923),

Gene: Virapocalypse_48 Start: 40401, Stop: 41690, Start Num: 36

Candidate Starts for Virapocalypse_48:

(Start: 19 @40335 has 24 MA's), (21, 40344), (Start: 29 @40374 has 135 MA's), (Start: 32 @40383 has 12 MA's), (Start: 35 @40395 has 12 MA's), (Start: 36 @40401 has 66 MA's), (43, 40521), (45, 40563), (48, 40614), (59, 40728), (61, 40740), (67, 40842), (81, 40929), (82, 40932), (86, 41016), (87, 41019), (89, 41034), (99, 41109), (105, 41184), (119, 41292), (124, 41370), (125, 41379), (129, 41394), (136, 41439), (140, 41475), (146, 41523), (156, 41610),

Gene: Vista_48 Start: 40405, Stop: 41700, Start Num: 35

Candidate Starts for Vista_48:

(Start: 19 @40345 has 24 MA's), (21, 40354), (Start: 29 @40384 has 135 MA's), (Start: 32 @40393 has 12 MA's), (Start: 35 @40405 has 12 MA's), (43, 40531), (45, 40573), (48, 40624), (59, 40738), (61, 40750), (67, 40852), (81, 40939), (82, 40942), (86, 41026), (89, 41044), (99, 41119), (105, 41194), (119, 41302), (124, 41380), (125, 41389), (136, 41449), (140, 41485), (146, 41533), (156, 41620),

Gene: Vivaldi_49 Start: 40768, Stop: 42135, Start Num: 19

Candidate Starts for Vivaldi_49:

(Start: 19 @40768 has 24 MA's), (21, 40777), (Start: 29 @40807 has 135 MA's), (Start: 32 @40816 has 12 MA's), (Start: 35 @40828 has 12 MA's), (43, 40954), (45, 40996), (48, 41047), (56, 41116), (61, 41173), (67, 41287), (81, 41374), (82, 41377), (86, 41461), (87, 41464), (89, 41479), (99, 41554), (105, 41629), (119, 41737), (124, 41815), (125, 41824), (129, 41839), (136, 41884), (140, 41920), (146, 41968), (156, 42055),

Gene: Wallhey_47 Start: 39944, Stop: 41260, Start Num: 29

Candidate Starts for Wallhey_47:

(Start: 19 @39905 has 24 MA's), (21, 39914), (Start: 29 @39944 has 135 MA's), (Start: 32 @39953 has 12 MA's), (Start: 35 @39965 has 12 MA's), (Start: 36 @39971 has 66 MA's), (43, 40091), (45, 40133), (48, 40184), (59, 40298), (61, 40310), (67, 40412), (81, 40499), (82, 40502), (86, 40586), (89, 40604), (99, 40679), (105, 40754), (119, 40862), (124, 40940), (125, 40949), (136, 41009), (140, 41045), (146, 41093), (156, 41180),

Gene: Waterdiva_48 Start: 40376, Stop: 41692, Start Num: 29

Candidate Starts for Waterdiva_48:

(Start: 19 @40337 has 24 MA's), (21, 40346), (Start: 29 @40376 has 135 MA's), (Start: 32 @40385 has 12 MA's), (Start: 35 @40397 has 12 MA's), (Start: 36 @40403 has 66 MA's), (43, 40523), (45, 40565), (48, 40616), (59, 40730), (61, 40742), (67, 40844), (81, 40931), (82, 40934), (86, 41018), (89, 41036), (99, 41111), (105, 41186), (119, 41294), (124, 41372), (125, 41381), (136, 41441), (140, 41477), (146, 41525), (156, 41612),

Gene: Weher20_48 Start: 40375, Stop: 41691, Start Num: 29

Candidate Starts for Weher20_48:

(Start: 19 @40336 has 24 MA's), (21, 40345), (Start: 29 @40375 has 135 MA's), (Start: 32 @40384 has 12 MA's), (Start: 35 @40396 has 12 MA's), (Start: 36 @40402 has 66 MA's), (43, 40522), (45, 40564), (48, 40615), (59, 40729), (61, 40741), (67, 40843), (81, 40930), (82, 40933), (86, 41017), (87, 41020), (89, 41035), (99, 41110), (105, 41185), (119, 41293), (124, 41371), (125, 41380), (129, 41395), (136, 41440), (140, 41476), (146, 41524), (156, 41611),

Gene: Windsor_47 Start: 40107, Stop: 41396, Start Num: 36

Candidate Starts for Windsor_47:

(Start: 19 @40041 has 24 MA's), (21, 40050), (Start: 29 @40080 has 135 MA's), (Start: 32 @40089 has 12 MA's), (Start: 35 @40101 has 12 MA's), (Start: 36 @40107 has 66 MA's), (43, 40227), (45, 40269), (48, 40320), (59, 40434), (61, 40446), (67, 40548), (81, 40635), (82, 40638), (86, 40722), (89,

40740), (99, 40815), (105, 40890), (119, 40998), (124, 41076), (125, 41085), (136, 41145), (140, 41181), (146, 41229), (156, 41316),

Gene: Xavier_47 Start: 40088, Stop: 41404, Start Num: 29

Candidate Starts for Xavier_47:

(Start: 19 @40049 has 24 MA's), (21, 40058), (Start: 29 @40088 has 135 MA's), (Start: 32 @40097 has 12 MA's), (Start: 35 @40109 has 12 MA's), (Start: 36 @40115 has 66 MA's), (43, 40235), (45, 40277), (48, 40328), (59, 40442), (61, 40454), (67, 40556), (81, 40643), (82, 40646), (86, 40730), (89, 40748), (99, 40823), (105, 40898), (119, 41006), (124, 41084), (125, 41093), (136, 41153), (140, 41189), (146, 41237), (156, 41324),

Gene: YorkOnyx_42 Start: 36358, Stop: 37941, Start Num: 31

Candidate Starts for YorkOnyx_42:

(Start: 20 @36319 has 1 MA's), (Start: 31 @36358 has 25 MA's), (Start: 35 @36373 has 12 MA's), (59, 36724), (63, 36763), (73, 36847), (88, 37018), (90, 37027), (92, 37033), (93, 37036), (94, 37066), (98, 37096), (106, 37177), (113, 37237), (124, 37363), (125, 37372), (154, 37576), (161, 37642), (163, 37654), (167, 37702), (168, 37723), (169, 37726), (171, 37738), (172, 37750), (173, 37765), (174, 37798), (175, 37825), (183, 37915),

Gene: Yoshand_49 Start: 40518, Stop: 41834, Start Num: 29

Candidate Starts for Yoshand_49:

(Start: 19 @40479 has 24 MA's), (21, 40488), (Start: 29 @40518 has 135 MA's), (Start: 32 @40527 has 12 MA's), (Start: 35 @40539 has 12 MA's), (Start: 36 @40545 has 66 MA's), (43, 40665), (45, 40707), (48, 40758), (59, 40872), (61, 40884), (67, 40986), (81, 41073), (82, 41076), (86, 41160), (89, 41178), (99, 41253), (105, 41328), (119, 41436), (124, 41514), (125, 41523), (136, 41583), (140, 41619), (146, 41667), (156, 41754),

Gene: YouGoGlencoco_48 Start: 40378, Stop: 41694, Start Num: 29

Candidate Starts for YouGoGlencoco_48:

(Start: 19 @40339 has 24 MA's), (21, 40348), (Start: 29 @40378 has 135 MA's), (Start: 32 @40387 has 12 MA's), (Start: 35 @40399 has 12 MA's), (43, 40525), (45, 40567), (48, 40618), (59, 40732), (61, 40744), (67, 40846), (81, 40933), (82, 40936), (86, 41020), (89, 41038), (99, 41113), (105, 41188), (119, 41296), (124, 41374), (125, 41383), (136, 41443), (140, 41479), (146, 41527), (156, 41614),

Gene: Zaider_49 Start: 40608, Stop: 41924, Start Num: 29

Candidate Starts for Zaider_49:

(Start: 19 @40569 has 24 MA's), (21, 40578), (Start: 29 @40608 has 135 MA's), (Start: 32 @40617 has 12 MA's), (Start: 35 @40629 has 12 MA's), (43, 40755), (45, 40797), (48, 40848), (59, 40962), (61, 40974), (67, 41076), (81, 41163), (82, 41166), (86, 41250), (89, 41268), (99, 41343), (105, 41418), (119, 41526), (124, 41604), (125, 41613), (136, 41673), (140, 41709), (146, 41757), (156, 41844),

Gene: Zelda_48 Start: 40425, Stop: 41741, Start Num: 29

Candidate Starts for Zelda_48:

(Start: 19 @40386 has 24 MA's), (21, 40395), (Start: 29 @40425 has 135 MA's), (Start: 32 @40434 has 12 MA's), (Start: 35 @40446 has 12 MA's), (43, 40572), (45, 40614), (48, 40665), (59, 40779), (61, 40791), (67, 40893), (81, 40980), (82, 40983), (86, 41067), (89, 41085), (99, 41160), (105, 41235), (119, 41343), (124, 41421), (125, 41430), (136, 41490), (140, 41526), (146, 41574), (156, 41661),

Gene: Zipp_41 Start: 37800, Stop: 39395, Start Num: 35

Candidate Starts for Zipp_41:

(Start: 31 @37785 has 25 MA's), (Start: 35 @37800 has 12 MA's), (59, 38151), (63, 38190), (67, 38274), (87, 38463), (103, 38592), (106, 38631), (120, 38757), (128, 38844), (147, 38973), (151, 39012), (153, 39024), (158, 39063), (163, 39114), (167, 39159), (168, 39180), (170, 39186), (173,

39222), (179, 39315), (181, 39360), (183, 39378), (184, 39381), (185, 39387),

Gene: Zitch_45 Start: 36483, Stop: 38093, Start Num: 31

Candidate Starts for Zitch_45:

(Start: 31 @36483 has 25 MA's), (Start: 35 @36498 has 12 MA's), (59, 36849), (63, 36888), (67, 36972), (74, 37002), (85, 37155), (87, 37161), (97, 37245), (103, 37290), (106, 37329), (120, 37455), (125, 37530), (128, 37542), (147, 37671), (151, 37710), (153, 37722), (158, 37761), (163, 37812), (168, 37878), (170, 37884), (173, 37920), (179, 38013), (181, 38058), (184, 38079),

Gene: ZoMa_27 Start: 23870, Stop: 25201, Start Num: 26

Candidate Starts for ZoMa_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Zombie_27 Start: 23885, Stop: 25201, Start Num: 30

Candidate Starts for Zombie_27:

(Start: 26 @23870 has 9 MA's), (Start: 30 @23885 has 45 MA's), (Start: 36 @23906 has 66 MA's), (43, 24026), (45, 24068), (48, 24119), (61, 24245), (71, 24368), (84, 24518), (116, 24785), (134, 24947), (144, 25034), (159, 25130), (166, 25193),

Gene: Zonia_48 Start: 40356, Stop: 41711, Start Num: 19

Candidate Starts for Zonia_48:

(Start: 19 @40356 has 24 MA's), (21, 40365), (Start: 29 @40395 has 135 MA's), (Start: 32 @40404 has 12 MA's), (Start: 35 @40416 has 12 MA's), (Start: 36 @40422 has 66 MA's), (43, 40542), (45, 40584), (48, 40635), (59, 40749), (61, 40761), (67, 40863), (81, 40950), (82, 40953), (86, 41037), (89, 41055), (99, 41130), (105, 41205), (119, 41313), (124, 41391), (125, 41400), (136, 41460), (140, 41496), (146, 41544), (156, 41631),