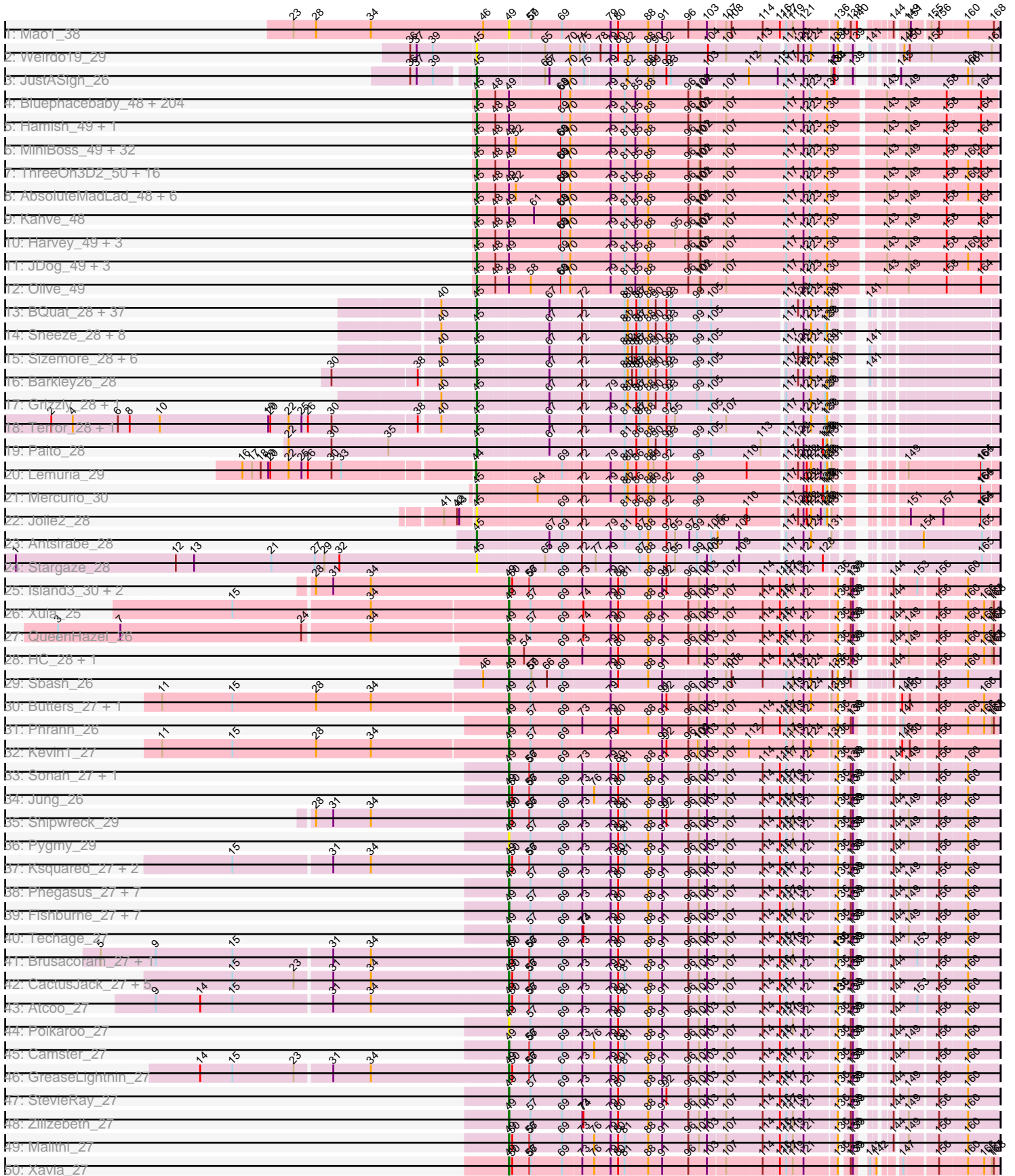
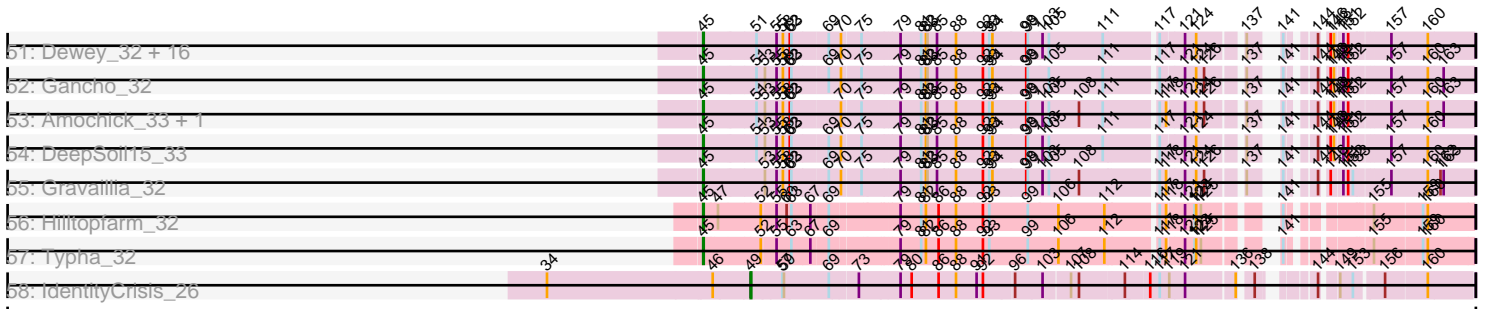


Pham 163262



Pham 163262



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 163262 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163262 has 420 members, 37 are drafts.

Phages represented in each track:

- Track 1 : Mao1_38
- Track 2 : Weirido19_29
- Track 3 : JustASigh_26
- Track 4 : Bluephacebaby_48, Morgushi_49, Spartan300_49, Kwadwo_48, Beaglebox_48, PhenghisKhan_48, DoesntMatter_48, JangoPhett_49, Horchata_49, Scrick_49, Haleema_48, Chute_48, Eremos_49, Solosis_48, True_48, Timmi_48, Lulumae_48, Keitherie_49, Charles1_49, Telesworld_48, Cobra_49, Riggan_49, UAch1_49, Kloppinator_50, Trypo_50, Phunky_49, Jiraiya_51, Quisquillae_49, Squiggle_49, Phergie_49, Wallhey_48, Boehler_49, Phipps_49, Xavier_48, Fringe_50, Jillium_48, Held_49, HenryJackson_48, Slatt_49, Pherdinand_50, Vaishali24_48, FugateOSU_48, Orwigg_50, Mag7_48, Orfeu_49, DaddyDaniels_49, Nyala_48, Lasso_49, Megamind20_49, Apizium_49, Andre_52, Kikipoo_50, Ricotta_49, Morty_50, Roscoe_50, DonSanchon_48, Vivaldi_50, ABU_50, Gophee_49, Mikota_49, Vaticameos_45, Hartsy_49, HighStump_49, Piglet_0049, CamL_49, KingTut_40, Puhltonio_49, Labeouficaum_48, Mesh1_49, PhatLouie_49, Rimu_51, ShiVal_49, Inchworm_50, YouGoGlencoco_49, TomBombadil_49, Lumine_48, Anderson_49, Swish_50, Fang_50, BlackStallion_50, CharlieGBrown_48, Maskar_49, Matalotodo_49, Placalicious_48, BatteryCK_48, Cosmolli16_48, Struggle_48, FriarPreacher_48, Derpp_48, Zelda_49, Kwksand96_48, Podrick_49, Carthage_47, TallGrassMM_49, Cannibal_49, Dione_48, Buckeye_49, Samaymay_49, Sheila_49, Selr12_51, DuchessDung_48, Phleuron_48, LuckyMarjie_48, Usavi_49, Pipsqueak_49, Chaelin_49, Burr_48, Cher_48, Vortex_49, Valjean_49, Veritas_48, MrPhizzler_48, Murdoc_49, Serpentine_0049, Phamished_50, Mulan_49, MichaelPhcott_48, Iridoclysis_49, Magic8_49, Numberten_49, Zonia_49, Maru_48, CampRoach_50, Chunky_49, Childish_48, Bishoperium_48, Mcshane_48, Craff_50, Durga_50, Sigman_50, Banjo_48, Gareth_48, Plmatters_49, Oline_48, DelRivs_48, Tomlarah_49, Waterdiva_49, Nicole21_49, PhrodoBaggins_49, Jiminy_48, Frankicide_49, Freya_48, Adriana_50, Grand2040_48, LasagnaCat_50, KLucky39_49, Altwerkus_48, Suffolk_49, Basato_50, Swiphy_51, Roy17_49, Katniss_50, Windsor_48, Dice_51, Pacifista_51, Coletti_48, ImtiyazSitla_49, Ashraf_49, Lopsy_48, Skippy_49, Orion_50, Scoot17C_50, Eugenia_49, Emiris_50, Duggie_48, Megatron_50, Mutante_48, Serendipity_49, ProfessorX_49, UncleHowie_49, Kailash_49, Fozzie_48, IsaacEli_50, QueenBeane_49, PhatCats2014_50, Gyarad_0049, LeeLot_49, GeneCoco_49, Olak_49, Vista_49, PhrankReynolds_47, PinheadLarry_49, Doddsville_49, Pinkman_48, Lulwa_49, Longacauda_48, Virgeve_48, Lego3393_48, Thunderbird_49, JacAttac_50, TyrionL_48, Toni_48,

FluffyNinja_50, Virapocalypse_49, Chah_51, Yoshand_50, PG1_50, Hocus_48, Simielle_48, Legolas_49, Schadenfreude_48, LemonSlice_49, Phareon_49, Daffy_49, Hetaeria_49

- Track 5 : Hamish_49, Haimas_49
- Track 6 : MiniBoss_49, Soile_49, LostAndPhound_48, Omniscient_49, LeiMonet_50, Brilliant_49, SassyCat97_48, Badfish_50, Zaider_50, Roliet_49, AltPhacts_49, KingVeVeVe_49, Potter_48, Nacho_0050, BlueHusk_49, MRabcd_48, Kimbrough_49, Soto_49, EmpTee_49, Giraffe_49, SDcharge11_49, JakeO_48, Mosaic_48, MitKao_49, Sophia_48, Crownjwl_49, Schueller_49, Mana_48, Dingo_49, MelsMeow_49, Mecca_48, Chorkpop_49, Squid_49
- Track 7 : ThreeOh3D2_50, Colbert_49, Tooj_49, Oosterbaan_49, Thora_49, RedMaple_49, OSmaximus_50, Pops_49, OliverWalter_49, DirtJuice_49, Manad_49, Cornobble_48, Etaye_49, Surely_49, CheetO_49, Inverness_49, Hertubise_49
- Track 8 : AbsoluteMadLad_48, Daka_50, Prickles_49, HSavage_49, KlimbOn_49, Gwilliam_50, Newman_49
- Track 9 : Kahve_48
- Track 10 : Harvey_49, Robyn_48, Aelin_48, Antonia_48
- Track 11 : JDog_49, Melc17_49, Weher20_49, Dati_49
- Track 12 : Olive_49
- Track 13 : BQuat_28, Jane_28, BPs_28, LouisV14_28, Mowgli_28, PinkYoshi_28, Phish_28, CassieYates_28, Remy19_28, Camri_28, BruceB_28, Sweets_28, Kareem_28, Hope_28, Frosty24_28, TomBrady_28, OctaviousRex_28, Renaissance_28, Gideon_28, JorRay_28, Phreak_28, CLED96_28, Coleslaw_28, Olga_28, DNAlII_0028, Cedasite_28, Plagueis_28, Annihilator_28, ShaboiShabazz_28, DMoney_28, Cherrybomb426_28, Gomashi_28, Darionha_28, Crespo_28, Zombie_28, Marmie_28, Avrafan_28, ZoMa_28
- Track 14 : Sneeze_28, Aroostook_28, Jonghyun_28, Hotshotbaby7_28, ECartman_28, Chance64_28, Jolene_28, Rabbs_28, Periodt_28
- Track 15 : Sizemore_28, Kasen3_28, Peeb_28, Halo_28, Angel_28, GoldenAsh_28, Schiebel_28
- Track 16 : Barkley26_28
- Track 17 : Grizzly_28, Liefie_28
- Track 18 : Terror_28, Taheera_28
- Track 19 : Paito_28
- Track 20 : Lemuria_29
- Track 21 : Mercurio_30
- Track 22 : Jolie2_28
- Track 23 : Antsirabe_28
- Track 24 : Stargaze_28
- Track 25 : Island3_30, Bogie_29, Brujita_30
- Track 26 : Xula_25
- Track 27 : QueenHazel_26
- Track 28 : HC_28, Babsiella_27
- Track 29 : Sbash_26
- Track 30 : Butters_27, Rubeelu_27
- Track 31 : Phrann_26
- Track 32 : Kevin1_27
- Track 33 : Sonah_27, Necropolis_27
- Track 34 : Jung_26
- Track 35 : Shipwreck_29
- Track 36 : Pygmy_29
- Track 37 : Ksquared_27, Juniormint_27, Bunnies_27

- Track 38 : Phegasus_27, Jebeks_27, Dynamo_27, Mangethe_27, Majeke_27, Phineas_27, Donovan_27, Arib1_27
- Track 39 : Fishburne_27, Kari_27, Bartholomew_26, Venti_27, HUHilltop_27, FirstPlacePfu_27, Langerak_27, Vidya_27
- Track 40 : Techage_27
- Track 41 : Brusacoram_27, Thespis_27
- Track 42 : CactusJack_27, StressBall_27, Glaske_27, Megiddo_27, KilKor_27, Phalm_27
- Track 43 : Atcoo_27
- Track 44 : Polkaroo_27
- Track 45 : Camster_27
- Track 46 : GreaseLightnin_27
- Track 47 : StevieRay_27
- Track 48 : Zilizebeth_27
- Track 49 : Malithi_27
- Track 50 : Xavia_27
- Track 51 : Dewey_32, Forge_32, Hail_32, OBUpride_33, Luna22_32, Hadrien_33, HH92_32, Wishmaker_32, Amymech_33, Webster2_33, Luke_33, Giles_32, LilHazelNut_33, Ubuntu_33, Kinbote_33, Evanesce_32, Ein37_33
- Track 52 : Gancho_32
- Track 53 : Amochick_33, Daegal_34
- Track 54 : DeepSoil15_33
- Track 55 : Gravallia_32
- Track 56 : Hilltopfarm_32
- Track 57 : Typha_32
- Track 58 : IdentityCrisis_26

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

The start number called the most often in the published annotations is 45, it was called in 332 of the 383 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_50, AbsoluteMadLad_48, Adriana_50, Aelin_48, AltPhacts_49, Altwerkus_48, Amochick_33, Amymech_33, Anderson_49, Andre_52, Angel_28, Annihilator_28, Antonia_48, Antsirabe_28, Apizium_49, Aroostook_28, Ashraf_49, Avrafan_28, BPs_28, BQuat_28, Badfish_50, Banjo_48, Barkley26_28, Basato_50, BatteryCK_48, Beaglebox_48, Bishoperium_48, BlackStallion_50, BlueHusk_49, Bluephacebaby_48, Bohler_49, Brilliant_49, BruceB_28, Buckeye_49, Burr_48, CLED96_28, CamL_49, CampRoach_50, Camri_28, Cannibal_49, Carthage_47, CassieYates_28, Cedasite_28, Chaelin_49, Chah_51, Chance64_28, Charles1_49, CharlieGBrown_48, CheetO_49, Cher_48, Cherrybomb426_28, Childish_48, Chorkpop_49, Chunky_49, Chute_48, Cobra_49, Colbert_49, Coleslaw_28, Coletti_48, Cornobble_48, Cosmolli16_48, Craff_50, Crespo_28, Crownjwl_49, DMoney_28, DNAIII_0028, DaddyDaniels_49, Daegal_34, Daffy_49, Daka_50, Darionha_28, Dati_49, DeepSoil15_33, DeRivs_48, Derpp_48, Dewey_32, Dice_51, Dingo_49, Dione_48, DirtJuice_49, Doddsville_49, DoesntMatter_48, DonSanchon_48, DuchessDung_48, Duggie_48, Durga_50, ECartman_28, Ein37_33, Emiris_50, EmpTee_49, Eremos_49, Etaye_49, Eugenia_49, Evanesce_32, Fang_50, FluffyNinja_50, Forge_32, Fozzie_48, Frankicide_49,

Freya_48, FriarPreacher_48, Fringe_50, Frosty24_28, FugateOSU_48, Gancho_32, Gareth_48, GeneCoco_49, Gideon_28, Giles_32, Giraffe_49, GoldenAsh_28, Gomashi_28, Gophee_49, Grand2040_48, Gravaillia_32, Grizzly_28, Gwilliam_50, Gyarad_0049, HH92_32, HSavage_49, Hadrien_33, Hail_32, Haimas_49, Haleema_48, Halo_28, Hamish_49, Hartsy_49, Harvey_49, Held_49, HenryJackson_48, Hertubise_49, Hetaeria_49, HighStump_49, Hilltopfarm_32, Hocus_48, Hope_28, Horchata_49, Hotshotbaby7_28, ImtiyazSitla_49, Inchworm_50, Inverness_49, Iridoclysis_49, IsaacEli_50, JDog_49, JacAttac_50, JakeO_48, Jane_28, JangoPhett_49, Jillium_48, Jiminy_48, Jiraiya_51, Jolene_28, Jolie2_28, Jonghyun_28, JorRay_28, JustASigh_26, KLucky39_49, Kahve_48, Kailash_49, Kareem_28, Kasen3_28, Katniss_50, Keitherie_49, Kikipoo_50, Kimbrough_49, Kinbote_33, KingTut_40, KingVeVeVe_49, KlimbOn_49, Kloppinator_50, Kwadwo_48, Kwksand96_48, Labeouficaum_48, LasagnaCat_50, Lasso_49, LeeLot_49, Lego3393_48, Legolas_49, LeiMonet_50, LemonSlice_49, Liefie_28, LilHazelNut_33, Longacauda_48, Lopsy_48, LostAndPhound_48, LouisV14_28, LuckyMarjie_48, Luke_33, Lulumae_48, Lulwa_49, Lumine_48, Luna22_32, MRabcd_48, Mag7_48, Magic8_49, Mana_48, Manad_49, Marmie_28, Maru_48, Maskar_49, Matalotodo_49, Mcshane_48, Mecca_48, Megamind20_49, Megatron_50, Melc17_49, MelsMeow_49, Mercurio_30, Mesh1_49, MichaelPhcott_48, Mikota_49, MiniBoss_49, MitKao_49, Morgushi_49, Morty_50, Mosaic_48, Mowgli_28, MrPhizzler_48, Mulan_49, Murdoc_49, Mutante_48, Nacho_0050, Newman_49, Nicole21_49, Numberbert_49, Nyala_48, OBUpride_33, OSmaximus_50, OctaviousRex_28, Olak_49, Olga_28, Oline_48, Olive_49, OliverWalter_49, Omniscient_49, Oosterbaan_49, Orfeu_49, Orion_50, Orwigg_50, PG1_50, Pacifista_51, Paito_28, Peeb_28, Periodt_28, Phamished_50, Phareon_49, PhatCats2014_50, PhatLouie_49, PhenghisKhan_48, Pherdinand_50, Phergie_49, Phipps_49, Phish_28, Phleuron_48, PhrankReynolds_47, Phreak_28, PhrodoBaggins_49, Phunky_49, Piglet_0049, PinheadLarry_49, PinkYoshi_28, Pinkman_48, Pipsqueak_49, Placalicious_48, Plagueis_28, Plmatters_49, Podrick_49, Pops_49, Potter_48, Prickles_49, ProfessorX_49, Puhltonio_49, QueenBeane_49, Quisquilliae_49, Rabbs_28, RedMaple_49, Remy19_28, Renaissance_28, Ricotta_49, Riggan_49, Rimu_51, Robyn_48, Roliet_49, Roscoe_50, Roy17_49, SDcharge11_49, Samaymay_49, SassyCat97_48, Schadenfreude_48, Schiebel_28, Schueller_49, Scoot17C_50, Scrick_49, Selr12_51, Serendipity_49, Serpentine_0049, ShaboiShabazz_28, Sheila_49, ShiVal_49, Sigman_50, Simielle_48, Sizemore_28, Skippy_49, Slatt_49, Sneeze_28, Soile_49, Solosis_48, Sophia_48, Soto_49, Spartan300_49, Squid_49, Squiggle_49, Stargaze_28, Struggle_48, Suffolk_49, Surely_49, Sweets_28, Swiphy_51, Swish_50, Taheera_28, TallGrassMM_49, Telesworld_48, Terror_28, Thora_49, ThreeOh3D2_50, Thunderbird_49, Timmi_48, TomBombadil_49, TomBrady_28, Tomlarah_49, Toni_48, Tooj_49, True_48, Trypo_50, Typha_32, TyrionL_48, UAch1_49, Ubuntu_33, UncleHowie_49, Usavi_49, Vaishali24_48, Valjean_49, Vaticameos_45, Veritas_48, Virapocalypse_49, Virgeve_48, Vista_49, Vivaldi_50, Vortex_49, Wallhey_48, Waterdiva_49, Webster2_33, Weher20_49, Weirdo19_29, Windsor_48, Wishmaker_32, Xavier_48, Yoshand_50, YouGoGlencoco_49, Zaider_50, Zelda_49, ZoMa_28, Zombie_28, Zonia_49,

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

-

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

- Arib1_27, Atcoo_27, Babsiella_27, Bartholomew_26, Bogie_29, Brujita_30, Brusacoram_27, Bunnies_27, Butters_27, CactusJack_27, Camster_27,

Donovan_27, Dynamo_27, FirstPlacePfu_27, Fishburne_27, Glaske_27, GreaseLightnin_27, HC_28, HUHilltop_27, IdentityCrisis_26, Island3_30, Jebeks_27, Jung_26, Juniormint_27, Kari_27, Kevin1_27, KilKor_27, Ksquared_27, Langerak_27, Lemuria_29, Majeke_27, Malithi_27, Mangethe_27, Mao1_38, Megiddo_27, Necropolis_27, Phalm_27, Phegasus_27, Phineas_27, Phrann_26, Polkaroo_27, Pygmy_29, QueenHazel_26, Rubeelu_27, Sbash_26, Shipwreck_29, Sonah_27, StevieRay_27, StressBall_27, Techage_27, Thespis_27, Venti_27, Vidya_27, Xavia_27, Xula_25, Zilizebeth_27,

Summary by start number:

Start 44:

- Found in 1 of 420 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 383
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lemuria_29 (G4),

Start 45:

- Found in 364 of 420 (86.7%) of genes in pham
- Manual Annotations of this start: 332 of 383
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ABU_50 (B1), AbsoluteMadLad_48 (B1), Adriana_50 (B1), Aelin_48 (B1), AltPhacts_49 (B1), Altwerkus_48 (B1), Amochick_33 (Q), Amymech_33 (Q), Anderson_49 (B1), Andre_52 (B1), Angel_28 (G1), Annihilator_28 (G1), Antonia_48 (B1), Antsirabe_28 (G5), Apizium_49 (B1), Aroostook_28 (G1), Ashraf_49 (B1), Avrafan_28 (G1), BPs_28 (G1), BQuat_28 (G1), Badfish_50 (B1), Banjo_48 (B1), Barkley26_28 (G1), Basato_50 (B1), BatteryCK_48 (B1), Beaglebox_48 (B1), Bishoperium_48 (B1), BlackStallion_50 (B1), BlueHusk_49 (B1), Bluephacebaby_48 (B1), Boehler_49 (B1), Brilliant_49 (B1), BruceB_28 (G1), Buckeye_49 (B1), Burr_48 (B1), CLED96_28 (G1), CamL_49 (B1), CampRoach_50 (B1), Camri_28 (G1), Cannibal_49 (B1), Carthage_47 (B1), CassieYates_28 (G1), Cedasite_28 (G1), Chaelin_49 (B1), Chah_51 (B1), Chance64_28 (G1), Charles1_49 (B1), CharlieGBrown_48 (B1), CheetO_49 (B1), Cher_48 (B1), Cherrybomb426_28 (G1), Childish_48 (B1), Chorkpop_49 (B1), Chunky_49 (B1), Chute_48 (B1), Cobra_49 (B1), Colbert_49 (B1), Coleslaw_28 (G1), Coletti_48 (B1), Cornobble_48 (B1), Cosmolli16_48 (B1), Craff_50 (B1), Crespo_28 (G1), Crownjwl_49 (B1), DMoney_28 (G1), DNAIII_0028 (G1), DaddyDaniels_49 (B1), Daegal_34 (Q), Daffy_49 (B1), Daka_50 (B1), Darionha_28 (G1), Dati_49 (B1), DeepSoil15_33 (Q), DelRivs_48 (B1), Derpp_48 (B1), Dewey_32 (Q), Dice_51 (B1), Dingo_49 (B1), Dione_48 (B1), DirtJuice_49 (B1), Doddsville_49 (B1), DoesntMatter_48 (B1), DonSanchon_48 (B1), DuchessDung_48 (B1), Duggie_48 (B1), Durga_50 (B1), ECartman_28 (G1), Ein37_33 (Q), Emiris_50 (B1), EmpTee_49 (B1), Eremos_49 (B1), Etaye_49 (B1), Eugenia_49 (B1), Evanesce_32 (Q), Fang_50 (B1), FluffyNinja_50 (B1), Forge_32 (Q), Fozzie_48 (B1), Frankicide_49 (B1), Freya_48 (B1), FriarPreacher_48 (B1), Fringe_50 (B1), Frosty24_28 (G1), FugateOSU_48 (B1), Gancho_32 (Q), Gareth_48 (B1), GeneCoco_49 (B1), Gideon_28 (G1), Giles_32 (Q), Giraffe_49 (B1), GoldenAsh_28 (G1), Gomashi_28 (G1), Gophee_49 (B1), Grand2040_48 (B1), Gravaiilia_32 (Q), Grizzly_28 (G1), Gwilliam_50 (B1), Gyarad_0049 (B1), HH92_32 (Q), HSavage_49 (B1), Hadrien_33 (Q), Hail_32 (Q), Haimas_49 (B1), Haleema_48 (B1), Halo_28 (G1), Hamish_49 (B1), Hartsy_49 (B1), Harvey_49 (B1), Held_49 (B1), HenryJackson_48 (B1), Hertubise_49 (B1), Hetaeria_49 (B1), HighStump_49 (B1), Hilltopfarm_32 (Y), Hocus_48 (B1), Hope_28 (G1), Horchata_49 (B1), Hotshotbaby7_28 (G1), ImtiyazSitla_49 (B1), Inchworm_50

(B1), Inverness_49 (B1), Iridoclysis_49 (B1), IsaacEli_50 (B1), JDog_49 (B1), JacAttac_50 (B1), JakeO_48 (B1), Jane_28 (G1), JangoPhett_49 (B1), Jillium_48 (B1), Jiminy_48 (B1), Jiraiya_51 (B1), Jolene_28 (G1), Jolie2_28 (G4), Jonghyun_28 (G1), JorRay_28 (G1), JustASigh_26 (AH), KLucky39_49 (B1), Kahve_48 (B1), Kailash_49 (B1), Kareem_28 (G1), Kasen3_28 (G1), Katniss_50 (B1), Keitherie_49 (B1), Kikipoo_50 (B1), Kimbrough_49 (B1), Kinbote_33 (Q), KingTut_40 (B1), KingVeVeVe_49 (B1), KlimbOn_49 (B1), Kloppinator_50 (B1), Kwadwo_48 (B1), Kwksand96_48 (B1), Labeouficaum_48 (B1), LasagnaCat_50 (B1), Lasso_49 (B1), LeeLot_49 (B1), Lego3393_48 (B1), Legolas_49 (B1), LeiMonet_50 (B1), LemonSlice_49 (B1), Liefie_28 (G1), LilHazelut_33 (Q), Longacauda_48 (B1), Lopsy_48 (B1), LostAndPhound_48 (B1), LouisV14_28 (G1), LuckyMarjie_48 (B1), Luke_33 (Q), Lulumae_48 (B1), Lulwa_49 (B1), Lumine_48 (B1), Luna22_32 (Q), MRabcd_48 (B1), Mag7_48 (B1), Magic8_49 (B1), Mana_48 (B1), Manad_49 (B1), Marmie_28 (G1), Maru_48 (B1), Maskar_49 (B1), Matalotodo_49 (B1), Mcshane_48 (B1), Mecca_48 (B1), Megamind20_49 (B1), Megatron_50 (B1), Melc17_49 (B1), MelsMeow_49 (B1), Mercurio_30 (G4), Mesh1_49 (B1), MichaelPhcott_48 (B1), Mikota_49 (B1), MiniBoss_49 (B1), MitKao_49 (B1), Morgushi_49 (B1), Morty_50 (B1), Mosaic_48 (B1), Mowgli_28 (G1), MrPhizzler_48 (B1), Mulan_49 (B1), Murdoc_49 (B1), Mutante_48 (B1), Nacho_0050 (B1), Newman_49 (B1), Nicole21_49 (B1), Numberten_49 (B1), Nyala_48 (B1), OBUpride_33 (Q), OSmaximus_50 (B1), OctaviousRex_28 (G1), Olak_49 (B1), Olga_28 (G1), Oline_48 (B1), Olive_49 (B1), OliverWalter_49 (B1), Omniscient_49 (B1), Oosterbaan_49 (B1), Orfeu_49 (B1), Orion_50 (B1), Orwigg_50 (B1), PG1_50 (B1), Pacifista_51 (B1), Paito_28 (G1), Peeb_28 (G1), Periodt_28 (G1), Phamished_50 (B1), Phareon_49 (B1), PhatCats2014_50 (B1), PhatLouie_49 (B1), PhenghisKhan_48 (B1), Pherdinand_50 (B1), Phergie_49 (B1), Phipps_49 (B1), Phish_28 (G1), Phleuron_48 (B1), PhrankReynolds_47 (B1), Phreak_28 (G1), PhrodoBaggins_49 (B1), Phunky_49 (B1), Piglet_0049 (B1), PinheadLarry_49 (B1), PinkYoshi_28 (G1), Pinkman_48 (B1), Pipsqueak_49 (B1), Placalicious_48 (B1), Plagueis_28 (G1), Plmatters_49 (B1), Podrick_49 (B1), Pops_49 (B1), Potter_48 (B1), Prickles_49 (B1), ProfessorX_49 (B1), Puhltonio_49 (B1), QueenBeane_49 (B1), Quisquilliae_49 (B1), Rabbs_28 (G1), RedMaple_49 (B1), Remy19_28 (G1), Renaissance_28 (G1), Ricotta_49 (B1), Riggan_49 (B1), Rimu_51 (B1), Robyn_48 (B1), Roliet_49 (B1), Roscoe_50 (B1), Roy17_49 (B1), SDcharge11_49 (B1), Samaymay_49 (B1), SassyCat97_48 (B1), Schadenfreude_48 (B1), Schiebel_28 (G1), Schueller_49 (B1), Scoot17C_50 (B1), Scrick_49 (B1), Selr12_51 (B1), Serendipity_49 (B1), Serpentine_0049 (B1), ShaboiShabazz_28 (G1), Sheila_49 (B1), ShiVal_49 (B1), Sigman_50 (B1), Simielle_48 (B1), Sizemore_28 (G1), Skippy_49 (B1), Slatt_49 (B1), Sneeze_28 (G1), Soile_49 (B1), Solosis_48 (B1), Sophia_48 (B1), Soto_49 (B1), Spartan300_49 (B1), Squid_49 (B1), Squiggle_49 (B1), Stargaze_28 (G5), Struggle_48 (B1), Suffolk_49 (B1), Surely_49 (B1), Sweets_28 (G1), Swiphy_51 (B1), Swish_50 (B1), Taheera_28 (G1), TallGrassMM_49 (B1), Telesworld_48 (B1), Terror_28 (G1), Thora_49 (B1), ThreeOh3D2_50 (B1), Thunderbird_49 (B1), Timmi_48 (B1), TomBombadil_49 (B1), TomBrady_28 (G1), Tomlarah_49 (B1), Toni_48 (B1), Tooj_49 (B1), True_48 (B1), Trypo_50 (B1), Typha_32 (Y), TyrionL_48 (B1), UAch1_49 (B1), Ubuntu_33 (Q), UncleHowie_49 (B1), Usavi_49 (B1), Vaishali24_48 (B1), Valjean_49 (B1), Vaticameos_45 (B1), Veritas_48 (B1), Virapocalypse_49 (B1), Virgeve_48 (B1), Vista_49 (B1), Vivaldi_50 (B1), Vortex_49 (B1), Wallhey_48 (B1), Waterdiva_49 (B1), Webster2_33 (Q), Weher20_49 (B1), Weirdo19_29 (AH), Windsor_48 (B1), Wishmaker_32 (Q), Xavier_48 (B1), Yoshand_50 (B1), YouGoGlencoco_49 (B1), Zaidler_50 (B1), Zelda_49 (B1), ZoMa_28 (G1), Zombie_28 (G1), Zonia_49 (B1),

Start 49:

- Found in 329 of 420 (78.3%) of genes in pham
- Manual Annotations of this start: 50 of 383
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Arib1_27 (P1), Atcoo_27 (P1), Babsiella_27 (I1), Bartholomew_26 (P1), Bogie_29 (P1), Brujita_30 (I1), Brusacoram_27 (P1), Bunnies_27 (P1), Butters_27 (N), CactusJack_27 (P1), Camster_27 (P1), Donovan_27 (P1), Dynamo_27 (P1), FirstPlacePfu_27 (P1), Fishburne_27 (P1), Glaske_27 (P1), GreaseLightnin_27 (P1), HC_28 (I1), HUHilltop_27 (P1), IdentityCrisis_26 (singleton), Island3_30 (I1), Jebeks_27 (P1), Jung_26 (P1), Juniormint_27 (P1), Kari_27 (P1), Kevin1_27 (N), KilKor_27 (P1), Ksquared_27 (P1), Langerak_27 (P1), Majeke_27 (P1), Malithi_27 (P1), Mangethe_27 (P1), Mao1_38 (AD), Megiddo_27 (P1), Necropolis_27 (P1), Phalm_27 (P1), Phegasus_27 (P1), Phineas_27 (P1), Phrann_26 (N), Polkaroo_27 (P1), Pygmy_29 (P1), QueenHazel_26 (I1), Rubeelu_27 (N), Sbash_26 (I2), Shipwreck_29 (P1), Sonah_27 (P1), StevieRay_27 (P1), StressBall_27 (P1), Techage_27 (P1), Thespis_27 (P1), Venti_27 (P1), Vidya_27 (P1), Xavia_27 (P3), Xula_25 (I1), Zilizebeth_27 (P1),

Summary by clusters:

There are 14 clusters represented in this pham: P3, singleton, G4, AD, G1, I1, AH, I2, G5, N, Q, P1, B1, Y,

Info for manual annotations of cluster AH:

- Start number 45 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster B1:

- Start number 45 was manually annotated 247 times for cluster B1.

Info for manual annotations of cluster G1:

- Start number 45 was manually annotated 58 times for cluster G1.

Info for manual annotations of cluster G4:

- Start number 44 was manually annotated 1 time for cluster G4.
- Start number 45 was manually annotated 1 time for cluster G4.

Info for manual annotations of cluster G5:

- Start number 45 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster I1:

- Start number 49 was manually annotated 6 times for cluster I1.

Info for manual annotations of cluster I2:

- Start number 49 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster N:

- Start number 49 was manually annotated 4 times for cluster N.

Info for manual annotations of cluster P1:

- Start number 49 was manually annotated 37 times for cluster P1.

Info for manual annotations of cluster P3:

- Start number 49 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster Q:

- Start number 45 was manually annotated 22 times for cluster Q.

Info for manual annotations of cluster Y:

- Start number 45 was manually annotated 2 times for cluster Y.

Gene Information:

Gene: ABU_50 Start: 41835, Stop: 43190, Start Num: 45

Candidate Starts for ABU_50:

(Start: 45 @41835 has 332 MA's), (48, 41886), (Start: 49 @41919 has 50 MA's), (68, 42048), (69, 42051), (70, 42066), (79, 42162), (81, 42201), (85, 42231), (88, 42267), (96, 42378), (101, 42408), (102, 42411), (107, 42477), (117, 42636), (121, 42684), (123, 42702), (130, 42750), (143, 42894), (149, 42954), (158, 43059), (164, 43146),

Gene: AbsoluteMadLad_48 Start: 41712, Stop: 43067, Start Num: 45

Candidate Starts for AbsoluteMadLad_48:

(Start: 45 @41712 has 332 MA's), (48, 41763), (Start: 49 @41796 has 50 MA's), (52, 41814), (68, 41925), (69, 41928), (70, 41943), (79, 42039), (81, 42078), (85, 42108), (88, 42144), (96, 42255), (101, 42285), (102, 42288), (107, 42354), (117, 42513), (121, 42561), (123, 42579), (130, 42627), (143, 42771), (149, 42831), (158, 42936), (160, 42990), (164, 43023),

Gene: Adriana_50 Start: 41833, Stop: 43188, Start Num: 45

Candidate Starts for Adriana_50:

(Start: 45 @41833 has 332 MA's), (48, 41884), (Start: 49 @41917 has 50 MA's), (68, 42046), (69, 42049), (70, 42064), (79, 42160), (81, 42199), (85, 42229), (88, 42265), (96, 42376), (101, 42406), (102, 42409), (107, 42475), (117, 42634), (121, 42682), (123, 42700), (130, 42748), (143, 42892), (149, 42952), (158, 43057), (164, 43144),

Gene: Aelin_48 Start: 41276, Stop: 42631, Start Num: 45

Candidate Starts for Aelin_48:

(Start: 45 @41276 has 332 MA's), (48, 41327), (Start: 49 @41360 has 50 MA's), (68, 41489), (69, 41492), (70, 41507), (79, 41603), (81, 41642), (85, 41672), (88, 41708), (95, 41783), (96, 41819), (101, 41849), (102, 41852), (107, 41918), (117, 42077), (121, 42125), (123, 42143), (130, 42191), (143, 42335), (149, 42395), (158, 42500), (164, 42587),

Gene: AltPhacts_49 Start: 41685, Stop: 43040, Start Num: 45

Candidate Starts for AltPhacts_49:

(Start: 45 @41685 has 332 MA's), (48, 41736), (Start: 49 @41769 has 50 MA's), (52, 41787), (68, 41898), (69, 41901), (70, 41916), (79, 42012), (81, 42051), (85, 42081), (88, 42117), (96, 42228), (101, 42258), (102, 42261), (107, 42327), (117, 42486), (121, 42534), (123, 42552), (130, 42600), (143, 42744), (149, 42804), (158, 42909), (164, 42996),

Gene: Altwerkus_48 Start: 41391, Stop: 42746, Start Num: 45

Candidate Starts for Altwerkus_48:

(Start: 45 @41391 has 332 MA's), (48, 41442), (Start: 49 @41475 has 50 MA's), (68, 41604), (69, 41607), (70, 41622), (79, 41718), (81, 41757), (85, 41787), (88, 41823), (96, 41934), (101, 41964), (102, 41967), (107, 42033), (117, 42192), (121, 42240), (123, 42258), (130, 42306), (143, 42450),

(149, 42510), (158, 42615), (164, 42702),

Gene: Amochick_33 Start: 28345, Stop: 29580, Start Num: 45

Candidate Starts for Amochick_33:

(Start: 45 @28345 has 332 MA's), (51, 28438), (53, 28450), (55, 28471), (58, 28483), (62, 28495), (63, 28498), (70, 28579), (75, 28612), (79, 28672), (81, 28711), (82, 28720), (83, 28723), (85, 28741), (88, 28777), (92, 28825), (93, 28837), (94, 28843), (98, 28906), (99, 28909), (103, 28936), (105, 28948), (108, 29005), (111, 29050), (117, 29137), (118, 29149), (121, 29176), (124, 29197), (126, 29212), (137, 29266), (141, 29296), (144, 29329), (146, 29338), (148, 29344), (151, 29356), (152, 29365), (157, 29428), (160, 29497), (163, 29524),

Gene: Amymech_33 Start: 28339, Stop: 29574, Start Num: 45

Candidate Starts for Amymech_33:

(Start: 45 @28339 has 332 MA's), (51, 28432), (55, 28465), (58, 28477), (62, 28489), (63, 28492), (69, 28555), (70, 28573), (75, 28606), (79, 28666), (81, 28705), (82, 28714), (83, 28717), (85, 28735), (88, 28771), (92, 28819), (93, 28831), (94, 28837), (98, 28900), (99, 28903), (103, 28930), (105, 28942), (111, 29044), (117, 29131), (121, 29170), (124, 29191), (137, 29260), (141, 29290), (144, 29323), (146, 29332), (148, 29338), (151, 29350), (152, 29359), (157, 29422), (160, 29491),

Gene: Anderson_49 Start: 41690, Stop: 43045, Start Num: 45

Candidate Starts for Anderson_49:

(Start: 45 @41690 has 332 MA's), (48, 41741), (Start: 49 @41774 has 50 MA's), (68, 41903), (69, 41906), (70, 41921), (79, 42017), (81, 42056), (85, 42086), (88, 42122), (96, 42233), (101, 42263), (102, 42266), (107, 42332), (117, 42491), (121, 42539), (123, 42557), (130, 42605), (143, 42749), (149, 42809), (158, 42914), (164, 43001),

Gene: Andre_52 Start: 41827, Stop: 43182, Start Num: 45

Candidate Starts for Andre_52:

(Start: 45 @41827 has 332 MA's), (48, 41878), (Start: 49 @41911 has 50 MA's), (68, 42040), (69, 42043), (70, 42058), (79, 42154), (81, 42193), (85, 42223), (88, 42259), (96, 42370), (101, 42400), (102, 42403), (107, 42469), (117, 42628), (121, 42676), (123, 42694), (130, 42742), (143, 42886), (149, 42946), (158, 43051), (164, 43138),

Gene: Angel_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Angel_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (84, 25567), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Annihilator_28 Start: 25192, Stop: 26400, Start Num: 45

Candidate Starts for Annihilator_28:

(40, 25099), (Start: 45 @25192 has 332 MA's), (67, 25366), (72, 25438), (81, 25537), (82, 25546), (86, 25570), (87, 25579), (88, 25603), (90, 25624), (92, 25651), (93, 25663), (99, 25735), (105, 25774), (117, 25963), (120, 25987), (121, 26002), (124, 26023), (130, 26068), (131, 26071), (141, 26122),

Gene: Antonia_48 Start: 41276, Stop: 42631, Start Num: 45

Candidate Starts for Antonia_48:

(Start: 45 @41276 has 332 MA's), (48, 41327), (Start: 49 @41360 has 50 MA's), (68, 41489), (69, 41492), (70, 41507), (79, 41603), (81, 41642), (85, 41672), (88, 41708), (95, 41783), (96, 41819), (101, 41849), (102, 41852), (107, 41918), (117, 42077), (121, 42125), (123, 42143), (130, 42191), (143, 42335), (149, 42395), (158, 42500), (164, 42587),

Gene: Antsirabe_28 Start: 26892, Stop: 28115, Start Num: 45

Candidate Starts for Antsirabe_28:

(Start: 45 @26892 has 332 MA's), (67, 27066), (69, 27096), (72, 27138), (79, 27210), (81, 27249), (87, 27291), (88, 27315), (92, 27363), (95, 27387), (97, 27426), (99, 27447), (105, 27486), (106, 27504), (109, 27564), (117, 27675), (121, 27714), (124, 27735), (131, 27783), (154, 27927), (165, 28077),

Gene: Apizium_49 Start: 41591, Stop: 42946, Start Num: 45

Candidate Starts for Apizium_49:

(Start: 45 @41591 has 332 MA's), (48, 41642), (Start: 49 @41675 has 50 MA's), (68, 41804), (69, 41807), (70, 41822), (79, 41918), (81, 41957), (85, 41987), (88, 42023), (96, 42134), (101, 42164), (102, 42167), (107, 42233), (117, 42392), (121, 42440), (123, 42458), (130, 42506), (143, 42650), (149, 42710), (158, 42815), (164, 42902),

Gene: Arib1_27 Start: 24058, Stop: 25224, Start Num: 49

Candidate Starts for Arib1_27:

(Start: 49 @24058 has 50 MA's), (57, 24115), (69, 24202), (73, 24247), (79, 24322), (80, 24343), (88, 24427), (91, 24466), (96, 24532), (101, 24562), (103, 24583), (107, 24628), (114, 24724), (116, 24763), (117, 24778), (121, 24817), (136, 24904), (138, 24922), (139, 24928), (144, 24976), (149, 24997), (156, 25069), (160, 25144),

Gene: Aroostook_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Aroostook_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (121, 26011), (124, 26032), (129, 26071), (130, 26077),

Gene: Ashraf_49 Start: 41392, Stop: 42747, Start Num: 45

Candidate Starts for Ashraf_49:

(Start: 45 @41392 has 332 MA's), (48, 41443), (Start: 49 @41476 has 50 MA's), (68, 41605), (69, 41608), (70, 41623), (79, 41719), (81, 41758), (85, 41788), (88, 41824), (96, 41935), (101, 41965), (102, 41968), (107, 42034), (117, 42193), (121, 42241), (123, 42259), (130, 42307), (143, 42451), (149, 42511), (158, 42616), (164, 42703),

Gene: Atcoo_27 Start: 24541, Stop: 25707, Start Num: 49

Candidate Starts for Atcoo_27:

(9, 23575), (14, 23698), (15, 23788), (31, 24055), (34, 24160), (Start: 49 @24541 has 50 MA's), (50, 24550), (56, 24595), (57, 24598), (69, 24685), (73, 24730), (79, 24805), (80, 24826), (81, 24844), (88, 24910), (91, 24949), (96, 25015), (101, 25045), (103, 25066), (107, 25111), (114, 25207), (116, 25246), (117, 25261), (121, 25300), (135, 25384), (136, 25387), (138, 25405), (139, 25411), (144, 25459), (153, 25504), (156, 25552), (160, 25627),

Gene: Avrafan_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Avrafan_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: BPs_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for BPs_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: BQuat_28 Start: 25192, Stop: 26400, Start Num: 45

Candidate Starts for BQuat_28:

(40, 25099), (Start: 45 @25192 has 332 MA's), (67, 25366), (72, 25438), (81, 25537), (82, 25546), (86, 25570), (87, 25579), (88, 25603), (90, 25624), (92, 25651), (93, 25663), (99, 25735), (105, 25774), (117, 25963), (120, 25987), (121, 26002), (124, 26023), (130, 26068), (131, 26071), (141, 26122),

Gene: Babsiella_27 Start: 24108, Stop: 25286, Start Num: 49

Candidate Starts for Babsiella_27:

(Start: 49 @24108 has 50 MA's), (54, 24150), (69, 24255), (73, 24309), (79, 24384), (80, 24405), (88, 24489), (91, 24528), (96, 24594), (101, 24624), (103, 24645), (107, 24690), (114, 24786), (116, 24825), (117, 24840), (121, 24879), (136, 24966), (138, 24984), (139, 24990), (144, 25038), (149, 25059), (156, 25131), (160, 25206), (166, 25248), (167, 25269), (168, 25275),

Gene: Badfish_50 Start: 41858, Stop: 43213, Start Num: 45

Candidate Starts for Badfish_50:

(Start: 45 @41858 has 332 MA's), (48, 41909), (Start: 49 @41942 has 50 MA's), (52, 41960), (68, 42071), (69, 42074), (70, 42089), (79, 42185), (81, 42224), (85, 42254), (88, 42290), (96, 42401), (101, 42431), (102, 42434), (107, 42500), (117, 42659), (121, 42707), (123, 42725), (130, 42773), (143, 42917), (149, 42977), (158, 43082), (164, 43169),

Gene: Banjo_48 Start: 41389, Stop: 42744, Start Num: 45

Candidate Starts for Banjo_48:

(Start: 45 @41389 has 332 MA's), (48, 41440), (Start: 49 @41473 has 50 MA's), (68, 41602), (69, 41605), (70, 41620), (79, 41716), (81, 41755), (85, 41785), (88, 41821), (96, 41932), (101, 41962), (102, 41965), (107, 42031), (117, 42190), (121, 42238), (123, 42256), (130, 42304), (143, 42448), (149, 42508), (158, 42613), (164, 42700),

Gene: Barkley26_28 Start: 25223, Stop: 26431, Start Num: 45

Candidate Starts for Barkley26_28:

(30, 24851), (38, 25079), (40, 25130), (Start: 45 @25223 has 332 MA's), (67, 25397), (72, 25469), (81, 25568), (82, 25577), (84, 25589), (86, 25601), (87, 25610), (88, 25634), (90, 25655), (92, 25682), (93, 25694), (99, 25766), (105, 25805), (117, 25994), (120, 26018), (121, 26033), (124, 26054), (130, 26099), (131, 26102), (141, 26153),

Gene: Bartholomew_26 Start: 24052, Stop: 25218, Start Num: 49

Candidate Starts for Bartholomew_26:

(Start: 49 @24052 has 50 MA's), (57, 24109), (69, 24196), (73, 24241), (79, 24316), (80, 24337), (88, 24421), (91, 24460), (96, 24526), (101, 24556), (103, 24577), (107, 24622), (114, 24718), (116, 24757), (117, 24772), (119, 24784), (121, 24811), (136, 24898), (138, 24916), (139, 24922), (144, 24970), (149, 24991), (156, 25063), (160, 25138),

Gene: Basato_50 Start: 41974, Stop: 43329, Start Num: 45

Candidate Starts for Basato_50:

(Start: 45 @41974 has 332 MA's), (48, 42025), (Start: 49 @42058 has 50 MA's), (68, 42187), (69, 42190), (70, 42205), (79, 42301), (81, 42340), (85, 42370), (88, 42406), (96, 42517), (101, 42547), (102, 42550), (107, 42616), (117, 42775), (121, 42823), (123, 42841), (130, 42889), (143, 43033), (149, 43093), (158, 43198), (164, 43285),

Gene: BatteryCK_48 Start: 41332, Stop: 42687, Start Num: 45

Candidate Starts for BatteryCK_48:

(Start: 45 @41332 has 332 MA's), (48, 41383), (Start: 49 @41416 has 50 MA's), (68, 41545), (69, 41548), (70, 41563), (79, 41659), (81, 41698), (85, 41728), (88, 41764), (96, 41875), (101, 41905), (102, 41908), (107, 41974), (117, 42133), (121, 42181), (123, 42199), (130, 42247), (143, 42391),

(149, 42451), (158, 42556), (164, 42643),

Gene: Beaglebox_48 Start: 41410, Stop: 42765, Start Num: 45

Candidate Starts for Beaglebox_48:

(Start: 45 @41410 has 332 MA's), (48, 41461), (Start: 49 @41494 has 50 MA's), (68, 41623), (69, 41626), (70, 41641), (79, 41737), (81, 41776), (85, 41806), (88, 41842), (96, 41953), (101, 41983), (102, 41986), (107, 42052), (117, 42211), (121, 42259), (123, 42277), (130, 42325), (143, 42469), (149, 42529), (158, 42634), (164, 42721),

Gene: Bishoperium_48 Start: 41404, Stop: 42759, Start Num: 45

Candidate Starts for Bishoperium_48:

(Start: 45 @41404 has 332 MA's), (48, 41455), (Start: 49 @41488 has 50 MA's), (68, 41617), (69, 41620), (70, 41635), (79, 41731), (81, 41770), (85, 41800), (88, 41836), (96, 41947), (101, 41977), (102, 41980), (107, 42046), (117, 42205), (121, 42253), (123, 42271), (130, 42319), (143, 42463), (149, 42523), (158, 42628), (164, 42715),

Gene: BlackStallion_50 Start: 41843, Stop: 43219, Start Num: 45

Candidate Starts for BlackStallion_50:

(Start: 45 @41843 has 332 MA's), (48, 41894), (Start: 49 @41927 has 50 MA's), (68, 42056), (69, 42059), (70, 42074), (79, 42170), (81, 42209), (85, 42239), (88, 42275), (96, 42386), (101, 42416), (102, 42419), (107, 42485), (117, 42644), (121, 42692), (123, 42710), (130, 42758), (143, 42923), (149, 42983), (158, 43088), (164, 43175),

Gene: BlueHusk_49 Start: 41210, Stop: 42565, Start Num: 45

Candidate Starts for BlueHusk_49:

(Start: 45 @41210 has 332 MA's), (48, 41261), (Start: 49 @41294 has 50 MA's), (52, 41312), (68, 41423), (69, 41426), (70, 41441), (79, 41537), (81, 41576), (85, 41606), (88, 41642), (96, 41753), (101, 41783), (102, 41786), (107, 41852), (117, 42011), (121, 42059), (123, 42077), (130, 42125), (143, 42269), (149, 42329), (158, 42434), (164, 42521),

Gene: Bluephacebaby_48 Start: 41407, Stop: 42762, Start Num: 45

Candidate Starts for Bluephacebaby_48:

(Start: 45 @41407 has 332 MA's), (48, 41458), (Start: 49 @41491 has 50 MA's), (68, 41620), (69, 41623), (70, 41638), (79, 41734), (81, 41773), (85, 41803), (88, 41839), (96, 41950), (101, 41980), (102, 41983), (107, 42049), (117, 42208), (121, 42256), (123, 42274), (130, 42322), (143, 42466), (149, 42526), (158, 42631), (164, 42718),

Gene: Boehler_49 Start: 41713, Stop: 43068, Start Num: 45

Candidate Starts for Boehler_49:

(Start: 45 @41713 has 332 MA's), (48, 41764), (Start: 49 @41797 has 50 MA's), (68, 41926), (69, 41929), (70, 41944), (79, 42040), (81, 42079), (85, 42109), (88, 42145), (96, 42256), (101, 42286), (102, 42289), (107, 42355), (117, 42514), (121, 42562), (123, 42580), (130, 42628), (143, 42772), (149, 42832), (158, 42937), (164, 43024),

Gene: Bogie_29 Start: 25888, Stop: 27054, Start Num: 49

Candidate Starts for Bogie_29:

(28, 25354), (31, 25402), (34, 25507), (Start: 49 @25888 has 50 MA's), (50, 25897), (56, 25942), (57, 25945), (69, 26032), (73, 26077), (79, 26152), (80, 26173), (81, 26191), (88, 26257), (91, 26296), (92, 26308), (96, 26362), (101, 26392), (103, 26413), (107, 26458), (114, 26554), (116, 26593), (117, 26608), (119, 26620), (121, 26647), (136, 26734), (138, 26752), (139, 26758), (144, 26806), (153, 26851), (156, 26899), (160, 26974),

Gene: Brilliant_49 Start: 41406, Stop: 42761, Start Num: 45

Candidate Starts for Brilliant_49:

(Start: 45 @41406 has 332 MA's), (48, 41457), (Start: 49 @41490 has 50 MA's), (52, 41508), (68, 41619), (69, 41622), (70, 41637), (79, 41733), (81, 41772), (85, 41802), (88, 41838), (96, 41949), (101, 41979), (102, 41982), (107, 42048), (117, 42207), (121, 42255), (123, 42273), (130, 42321), (143, 42465), (149, 42525), (158, 42630), (164, 42717),

Gene: BruceB_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for BruceB_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Brujita_30 Start: 26243, Stop: 27409, Start Num: 49

Candidate Starts for Brujita_30:

(28, 25709), (31, 25757), (34, 25862), (Start: 49 @26243 has 50 MA's), (50, 26252), (56, 26297), (57, 26300), (69, 26387), (73, 26432), (79, 26507), (80, 26528), (81, 26546), (88, 26612), (91, 26651), (92, 26663), (96, 26717), (101, 26747), (103, 26768), (107, 26813), (114, 26909), (116, 26948), (117, 26963), (119, 26975), (121, 27002), (136, 27089), (138, 27107), (139, 27113), (144, 27161), (153, 27206), (156, 27254), (160, 27329),

Gene: Brusacoram_27 Start: 24047, Stop: 25213, Start Num: 49

Candidate Starts for Brusacoram_27:

(5, 22928), (9, 23081), (15, 23294), (31, 23561), (34, 23666), (Start: 49 @24047 has 50 MA's), (50, 24056), (56, 24101), (57, 24104), (69, 24191), (73, 24236), (79, 24311), (80, 24332), (88, 24416), (91, 24455), (96, 24521), (101, 24551), (103, 24572), (107, 24617), (114, 24713), (116, 24752), (117, 24767), (119, 24779), (121, 24806), (135, 24890), (136, 24893), (138, 24911), (139, 24917), (144, 24965), (153, 25010), (156, 25058), (160, 25133),

Gene: Buckeye_49 Start: 41727, Stop: 43082, Start Num: 45

Candidate Starts for Buckeye_49:

(Start: 45 @41727 has 332 MA's), (48, 41778), (Start: 49 @41811 has 50 MA's), (68, 41940), (69, 41943), (70, 41958), (79, 42054), (81, 42093), (85, 42123), (88, 42159), (96, 42270), (101, 42300), (102, 42303), (107, 42369), (117, 42528), (121, 42576), (123, 42594), (130, 42642), (143, 42786), (149, 42846), (158, 42951), (164, 43038),

Gene: Bunnies_27 Start: 24068, Stop: 25234, Start Num: 49

Candidate Starts for Bunnies_27:

(15, 23315), (31, 23582), (34, 23687), (Start: 49 @24068 has 50 MA's), (50, 24077), (56, 24122), (57, 24125), (69, 24212), (73, 24257), (79, 24332), (80, 24353), (81, 24371), (88, 24437), (91, 24476), (96, 24542), (101, 24572), (103, 24593), (107, 24638), (114, 24734), (116, 24773), (117, 24788), (121, 24827), (136, 24914), (138, 24932), (139, 24938), (144, 24986), (156, 25079), (160, 25154),

Gene: Burr_48 Start: 41401, Stop: 42756, Start Num: 45

Candidate Starts for Burr_48:

(Start: 45 @41401 has 332 MA's), (48, 41452), (Start: 49 @41485 has 50 MA's), (68, 41614), (69, 41617), (70, 41632), (79, 41728), (81, 41767), (85, 41797), (88, 41833), (96, 41944), (101, 41974), (102, 41977), (107, 42043), (117, 42202), (121, 42250), (123, 42268), (130, 42316), (143, 42460), (149, 42520), (158, 42625), (164, 42712),

Gene: Butters_27 Start: 22757, Stop: 23917, Start Num: 49

Candidate Starts for Butters_27:

(11, 21803), (15, 21998), (28, 22232), (34, 22385), (Start: 49 @22757 has 50 MA's), (57, 22814), (69, 22901), (79, 23021), (91, 23165), (92, 23177), (96, 23231), (101, 23261), (103, 23282), (107, 23327),

(117, 23477), (119, 23489), (121, 23516), (124, 23537), (131, 23585), (136, 23603), (146, 23681), (150, 23696), (156, 23762), (166, 23879),

Gene: CLED96_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for CLED96_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: CactusJack_27 Start: 24311, Stop: 25477, Start Num: 49

Candidate Starts for CactusJack_27:

(15, 23558), (23, 23729), (31, 23825), (34, 23930), (Start: 49 @24311 has 50 MA's), (50, 24320), (56, 24365), (57, 24368), (69, 24455), (73, 24500), (79, 24575), (80, 24596), (81, 24614), (88, 24680), (91, 24719), (96, 24785), (101, 24815), (103, 24836), (107, 24881), (114, 24977), (116, 25016), (117, 25031), (121, 25070), (136, 25157), (138, 25175), (139, 25181), (144, 25229), (156, 25322), (160, 25397),

Gene: CamL_49 Start: 41696, Stop: 43051, Start Num: 45

Candidate Starts for CamL_49:

(Start: 45 @41696 has 332 MA's), (48, 41747), (Start: 49 @41780 has 50 MA's), (68, 41909), (69, 41912), (70, 41927), (79, 42023), (81, 42062), (85, 42092), (88, 42128), (96, 42239), (101, 42269), (102, 42272), (107, 42338), (117, 42497), (121, 42545), (123, 42563), (130, 42611), (143, 42755), (149, 42815), (158, 42920), (164, 43007),

Gene: CampRoach_50 Start: 41830, Stop: 43185, Start Num: 45

Candidate Starts for CampRoach_50:

(Start: 45 @41830 has 332 MA's), (48, 41881), (Start: 49 @41914 has 50 MA's), (68, 42043), (69, 42046), (70, 42061), (79, 42157), (81, 42196), (85, 42226), (88, 42262), (96, 42373), (101, 42403), (102, 42406), (107, 42472), (117, 42631), (121, 42679), (123, 42697), (130, 42745), (143, 42889), (149, 42949), (158, 43054), (164, 43141),

Gene: Camri_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Camri_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Camster_27 Start: 24084, Stop: 25250, Start Num: 49

Candidate Starts for Camster_27:

(Start: 49 @24084 has 50 MA's), (56, 24138), (57, 24141), (69, 24228), (73, 24273), (76, 24306), (79, 24348), (80, 24369), (81, 24387), (88, 24453), (91, 24492), (96, 24558), (101, 24588), (103, 24609), (107, 24654), (114, 24750), (116, 24789), (117, 24804), (121, 24843), (136, 24930), (138, 24948), (139, 24954), (144, 25002), (149, 25023), (156, 25095), (160, 25170),

Gene: Cannibal_49 Start: 41679, Stop: 43034, Start Num: 45

Candidate Starts for Cannibal_49:

(Start: 45 @41679 has 332 MA's), (48, 41730), (Start: 49 @41763 has 50 MA's), (68, 41892), (69, 41895), (70, 41910), (79, 42006), (81, 42045), (85, 42075), (88, 42111), (96, 42222), (101, 42252), (102, 42255), (107, 42321), (117, 42480), (121, 42528), (123, 42546), (130, 42594), (143, 42738), (149, 42798), (158, 42903), (164, 42990),

Gene: Carthage_47 Start: 40626, Stop: 41981, Start Num: 45

Candidate Starts for Carthage_47:

(Start: 45 @40626 has 332 MA's), (48, 40677), (Start: 49 @40710 has 50 MA's), (68, 40839), (69, 40842), (70, 40857), (79, 40953), (81, 40992), (85, 41022), (88, 41058), (96, 41169), (101, 41199), (102, 41202), (107, 41268), (117, 41427), (121, 41475), (123, 41493), (130, 41541), (143, 41685), (149, 41745), (158, 41850), (164, 41937),

Gene: CassieYates_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for CassieYates_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Cedasite_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Cedasite_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Chaelin_49 Start: 41402, Stop: 42757, Start Num: 45

Candidate Starts for Chaelin_49:

(Start: 45 @41402 has 332 MA's), (48, 41453), (Start: 49 @41486 has 50 MA's), (68, 41615), (69, 41618), (70, 41633), (79, 41729), (81, 41768), (85, 41798), (88, 41834), (96, 41945), (101, 41975), (102, 41978), (107, 42044), (117, 42203), (121, 42251), (123, 42269), (130, 42317), (143, 42461), (149, 42521), (158, 42626), (164, 42713),

Gene: Chah_51 Start: 41857, Stop: 43212, Start Num: 45

Candidate Starts for Chah_51:

(Start: 45 @41857 has 332 MA's), (48, 41908), (Start: 49 @41941 has 50 MA's), (68, 42070), (69, 42073), (70, 42088), (79, 42184), (81, 42223), (85, 42253), (88, 42289), (96, 42400), (101, 42430), (102, 42433), (107, 42499), (117, 42658), (121, 42706), (123, 42724), (130, 42772), (143, 42916), (149, 42976), (158, 43081), (164, 43168),

Gene: Chance64_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Chance64_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (121, 26011), (124, 26032), (129, 26071), (130, 26077),

Gene: Charles1_49 Start: 41687, Stop: 43042, Start Num: 45

Candidate Starts for Charles1_49:

(Start: 45 @41687 has 332 MA's), (48, 41738), (Start: 49 @41771 has 50 MA's), (68, 41900), (69, 41903), (70, 41918), (79, 42014), (81, 42053), (85, 42083), (88, 42119), (96, 42230), (101, 42260), (102, 42263), (107, 42329), (117, 42488), (121, 42536), (123, 42554), (130, 42602), (143, 42746), (149, 42806), (158, 42911), (164, 42998),

Gene: CharlieGBrown_48 Start: 41277, Stop: 42632, Start Num: 45

Candidate Starts for CharlieGBrown_48:

(Start: 45 @41277 has 332 MA's), (48, 41328), (Start: 49 @41361 has 50 MA's), (68, 41490), (69, 41493), (70, 41508), (79, 41604), (81, 41643), (85, 41673), (88, 41709), (96, 41820), (101, 41850), (102, 41853), (107, 41919), (117, 42078), (121, 42126), (123, 42144), (130, 42192), (143, 42336), (149, 42396), (158, 42501), (164, 42588),

Gene: CheetO_49 Start: 41719, Stop: 43074, Start Num: 45

Candidate Starts for CheetO_49:

(Start: 45 @41719 has 332 MA's), (48, 41770), (Start: 49 @41803 has 50 MA's), (68, 41932), (69, 41935), (70, 41950), (79, 42046), (81, 42085), (85, 42115), (88, 42151), (96, 42262), (101, 42292), (102, 42295), (107, 42361), (117, 42520), (121, 42568), (123, 42586), (130, 42634), (143, 42778), (149, 42838), (158, 42943), (160, 42997), (164, 43030),

Gene: Cher_48 Start: 41424, Stop: 42779, Start Num: 45

Candidate Starts for Cher_48:

(Start: 45 @41424 has 332 MA's), (48, 41475), (Start: 49 @41508 has 50 MA's), (68, 41637), (69, 41640), (70, 41655), (79, 41751), (81, 41790), (85, 41820), (88, 41856), (96, 41967), (101, 41997), (102, 42000), (107, 42066), (117, 42225), (121, 42273), (123, 42291), (130, 42339), (143, 42483), (149, 42543), (158, 42648), (164, 42735),

Gene: Cherrybomb426_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Cherrybomb426_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Childish_48 Start: 41427, Stop: 42782, Start Num: 45

Candidate Starts for Childish_48:

(Start: 45 @41427 has 332 MA's), (48, 41478), (Start: 49 @41511 has 50 MA's), (68, 41640), (69, 41643), (70, 41658), (79, 41754), (81, 41793), (85, 41823), (88, 41859), (96, 41970), (101, 42000), (102, 42003), (107, 42069), (117, 42228), (121, 42276), (123, 42294), (130, 42342), (143, 42486), (149, 42546), (158, 42651), (164, 42738),

Gene: Chorkpop_49 Start: 41435, Stop: 42790, Start Num: 45

Candidate Starts for Chorkpop_49:

(Start: 45 @41435 has 332 MA's), (48, 41486), (Start: 49 @41519 has 50 MA's), (52, 41537), (68, 41648), (69, 41651), (70, 41666), (79, 41762), (81, 41801), (85, 41831), (88, 41867), (96, 41978), (101, 42008), (102, 42011), (107, 42077), (117, 42236), (121, 42284), (123, 42302), (130, 42350), (143, 42494), (149, 42554), (158, 42659), (164, 42746),

Gene: Chunky_49 Start: 41722, Stop: 43086, Start Num: 45

Candidate Starts for Chunky_49:

(Start: 45 @41722 has 332 MA's), (48, 41773), (Start: 49 @41806 has 50 MA's), (68, 41935), (69, 41938), (70, 41953), (79, 42049), (81, 42088), (85, 42118), (88, 42154), (96, 42265), (101, 42295), (102, 42298), (107, 42364), (117, 42523), (121, 42571), (123, 42589), (130, 42637), (143, 42781), (149, 42841), (158, 42946), (164, 43033),

Gene: Chute_48 Start: 41751, Stop: 43106, Start Num: 45

Candidate Starts for Chute_48:

(Start: 45 @41751 has 332 MA's), (48, 41802), (Start: 49 @41835 has 50 MA's), (68, 41964), (69, 41967), (70, 41982), (79, 42078), (81, 42117), (85, 42147), (88, 42183), (96, 42294), (101, 42324), (102, 42327), (107, 42393), (117, 42552), (121, 42600), (123, 42618), (130, 42666), (143, 42810), (149, 42870), (158, 42975), (164, 43062),

Gene: Cobra_49 Start: 41708, Stop: 43063, Start Num: 45

Candidate Starts for Cobra_49:

(Start: 45 @41708 has 332 MA's), (48, 41759), (Start: 49 @41792 has 50 MA's), (68, 41921), (69, 41924), (70, 41939), (79, 42035), (81, 42074), (85, 42104), (88, 42140), (96, 42251), (101, 42281), (102, 42284), (107, 42350), (117, 42509), (121, 42557), (123, 42575), (130, 42623), (143, 42767), (149, 42827), (158, 42932), (164, 43019),

Gene: Colbert_49 Start: 41775, Stop: 43130, Start Num: 45

Candidate Starts for Colbert_49:

(Start: 45 @41775 has 332 MA's), (48, 41826), (Start: 49 @41859 has 50 MA's), (68, 41988), (69, 41991), (70, 42006), (79, 42102), (81, 42141), (85, 42171), (88, 42207), (96, 42318), (101, 42348), (102, 42351), (107, 42417), (117, 42576), (121, 42624), (123, 42642), (130, 42690), (143, 42834), (149, 42894), (158, 42999), (160, 43053), (164, 43086),

Gene: Coleslaw_28 Start: 25192, Stop: 26400, Start Num: 45

Candidate Starts for Coleslaw_28:

(40, 25099), (Start: 45 @25192 has 332 MA's), (67, 25366), (72, 25438), (81, 25537), (82, 25546), (86, 25570), (87, 25579), (88, 25603), (90, 25624), (92, 25651), (93, 25663), (99, 25735), (105, 25774), (117, 25963), (120, 25987), (121, 26002), (124, 26023), (130, 26068), (131, 26071), (141, 26122),

Gene: Coletti_48 Start: 41751, Stop: 43106, Start Num: 45

Candidate Starts for Coletti_48:

(Start: 45 @41751 has 332 MA's), (48, 41802), (Start: 49 @41835 has 50 MA's), (68, 41964), (69, 41967), (70, 41982), (79, 42078), (81, 42117), (85, 42147), (88, 42183), (96, 42294), (101, 42324), (102, 42327), (107, 42393), (117, 42552), (121, 42600), (123, 42618), (130, 42666), (143, 42810), (149, 42870), (158, 42975), (164, 43062),

Gene: Cornobble_48 Start: 41265, Stop: 42620, Start Num: 45

Candidate Starts for Cornobble_48:

(Start: 45 @41265 has 332 MA's), (48, 41316), (Start: 49 @41349 has 50 MA's), (68, 41478), (69, 41481), (70, 41496), (79, 41592), (81, 41631), (85, 41661), (88, 41697), (96, 41808), (101, 41838), (102, 41841), (107, 41907), (117, 42066), (121, 42114), (123, 42132), (130, 42180), (143, 42324), (149, 42384), (158, 42489), (160, 42543), (164, 42576),

Gene: Cosmolli16_48 Start: 41415, Stop: 42770, Start Num: 45

Candidate Starts for Cosmolli16_48:

(Start: 45 @41415 has 332 MA's), (48, 41466), (Start: 49 @41499 has 50 MA's), (68, 41628), (69, 41631), (70, 41646), (79, 41742), (81, 41781), (85, 41811), (88, 41847), (96, 41958), (101, 41988), (102, 41991), (107, 42057), (117, 42216), (121, 42264), (123, 42282), (130, 42330), (143, 42474), (149, 42534), (158, 42639), (164, 42726),

Gene: Craff_50 Start: 41843, Stop: 43198, Start Num: 45

Candidate Starts for Craff_50:

(Start: 45 @41843 has 332 MA's), (48, 41894), (Start: 49 @41927 has 50 MA's), (68, 42056), (69, 42059), (70, 42074), (79, 42170), (81, 42209), (85, 42239), (88, 42275), (96, 42386), (101, 42416), (102, 42419), (107, 42485), (117, 42644), (121, 42692), (123, 42710), (130, 42758), (143, 42902), (149, 42962), (158, 43067), (164, 43154),

Gene: Crespo_28 Start: 25202, Stop: 26410, Start Num: 45

Candidate Starts for Crespo_28:

(40, 25109), (Start: 45 @25202 has 332 MA's), (67, 25376), (72, 25448), (81, 25547), (82, 25556), (86, 25580), (87, 25589), (88, 25613), (90, 25634), (92, 25661), (93, 25673), (99, 25745), (105, 25784), (117, 25973), (120, 25997), (121, 26012), (124, 26033), (130, 26078), (131, 26081), (141, 26132),

Gene: Crownjwl_49 Start: 41484, Stop: 42839, Start Num: 45

Candidate Starts for Crownjwl_49:

(Start: 45 @41484 has 332 MA's), (48, 41535), (Start: 49 @41568 has 50 MA's), (52, 41586), (68, 41697), (69, 41700), (70, 41715), (79, 41811), (81, 41850), (85, 41880), (88, 41916), (96, 42027), (101, 42057), (102, 42060), (107, 42126), (117, 42285), (121, 42333), (123, 42351), (130, 42399), (143, 42543), (149, 42603), (158, 42708), (164, 42795),

Gene: DMoney_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for DMoney_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: DNAIII_0028 Start: 24952, Stop: 26160, Start Num: 45

Candidate Starts for DNAIII_0028:

(40, 24859), (Start: 45 @24952 has 332 MA's), (67, 25126), (72, 25198), (81, 25297), (82, 25306), (86, 25330), (87, 25339), (88, 25363), (90, 25384), (92, 25411), (93, 25423), (99, 25495), (105, 25534), (117, 25723), (120, 25747), (121, 25762), (124, 25783), (130, 25828), (131, 25831), (141, 25882),

Gene: DaddyDaniels_49 Start: 41396, Stop: 42751, Start Num: 45

Candidate Starts for DaddyDaniels_49:

(Start: 45 @41396 has 332 MA's), (48, 41447), (Start: 49 @41480 has 50 MA's), (68, 41609), (69, 41612), (70, 41627), (79, 41723), (81, 41762), (85, 41792), (88, 41828), (96, 41939), (101, 41969), (102, 41972), (107, 42038), (117, 42197), (121, 42245), (123, 42263), (130, 42311), (143, 42455), (149, 42515), (158, 42620), (164, 42707),

Gene: Daegal_34 Start: 28633, Stop: 29868, Start Num: 45

Candidate Starts for Daegal_34:

(Start: 45 @28633 has 332 MA's), (51, 28726), (53, 28738), (55, 28759), (58, 28771), (62, 28783), (63, 28786), (70, 28867), (75, 28900), (79, 28960), (81, 28999), (82, 29008), (83, 29011), (85, 29029), (88, 29065), (92, 29113), (93, 29125), (94, 29131), (98, 29194), (99, 29197), (103, 29224), (105, 29236), (108, 29293), (111, 29338), (117, 29425), (118, 29437), (121, 29464), (124, 29485), (126, 29500), (137, 29554), (141, 29584), (144, 29617), (146, 29626), (148, 29632), (151, 29644), (152, 29653), (157, 29716), (160, 29785), (163, 29812),

Gene: Daffy_49 Start: 41421, Stop: 42776, Start Num: 45

Candidate Starts for Daffy_49:

(Start: 45 @41421 has 332 MA's), (48, 41472), (Start: 49 @41505 has 50 MA's), (68, 41634), (69, 41637), (70, 41652), (79, 41748), (81, 41787), (85, 41817), (88, 41853), (96, 41964), (101, 41994), (102, 41997), (107, 42063), (117, 42222), (121, 42270), (123, 42288), (130, 42336), (143, 42480), (149, 42540), (158, 42645), (164, 42732),

Gene: Daka_50 Start: 41700, Stop: 43055, Start Num: 45

Candidate Starts for Daka_50:

(Start: 45 @41700 has 332 MA's), (48, 41751), (Start: 49 @41784 has 50 MA's), (52, 41802), (68, 41913), (69, 41916), (70, 41931), (79, 42027), (81, 42066), (85, 42096), (88, 42132), (96, 42243), (101, 42273), (102, 42276), (107, 42342), (117, 42501), (121, 42549), (123, 42567), (130, 42615), (143, 42759), (149, 42819), (158, 42924), (160, 42978), (164, 43011),

Gene: Darionha_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Darionha_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Dati_49 Start: 41424, Stop: 42779, Start Num: 45

Candidate Starts for Dati_49:

(Start: 45 @41424 has 332 MA's), (48, 41475), (Start: 49 @41508 has 50 MA's), (69, 41640), (70, 41655), (79, 41751), (81, 41790), (85, 41820), (88, 41856), (96, 41967), (101, 41997), (102, 42000),

(107, 42066), (117, 42225), (121, 42273), (123, 42291), (130, 42339), (143, 42483), (149, 42543), (158, 42648), (160, 42702), (164, 42735),

Gene: DeepSoil15_33 Start: 28339, Stop: 29574, Start Num: 45

Candidate Starts for DeepSoil15_33:

(Start: 45 @28339 has 332 MA's), (51, 28432), (53, 28444), (55, 28465), (58, 28477), (62, 28489), (63, 28492), (69, 28555), (70, 28573), (75, 28606), (79, 28666), (81, 28705), (82, 28714), (83, 28717), (85, 28735), (88, 28771), (92, 28819), (93, 28831), (94, 28837), (98, 28900), (99, 28903), (103, 28930), (105, 28942), (111, 29044), (117, 29131), (121, 29170), (124, 29191), (137, 29260), (141, 29290), (144, 29323), (146, 29332), (148, 29338), (151, 29350), (152, 29359), (157, 29422), (160, 29491),

Gene: DelRivs_48 Start: 41428, Stop: 42783, Start Num: 45

Candidate Starts for DelRivs_48:

(Start: 45 @41428 has 332 MA's), (48, 41479), (Start: 49 @41512 has 50 MA's), (68, 41641), (69, 41644), (70, 41659), (79, 41755), (81, 41794), (85, 41824), (88, 41860), (96, 41971), (101, 42001), (102, 42004), (107, 42070), (117, 42229), (121, 42277), (123, 42295), (130, 42343), (143, 42487), (149, 42547), (158, 42652), (164, 42739),

Gene: Derpp_48 Start: 41266, Stop: 42621, Start Num: 45

Candidate Starts for Derpp_48:

(Start: 45 @41266 has 332 MA's), (48, 41317), (Start: 49 @41350 has 50 MA's), (68, 41479), (69, 41482), (70, 41497), (79, 41593), (81, 41632), (85, 41662), (88, 41698), (96, 41809), (101, 41839), (102, 41842), (107, 41908), (117, 42067), (121, 42115), (123, 42133), (130, 42181), (143, 42325), (149, 42385), (158, 42490), (164, 42577),

Gene: Dewey_32 Start: 28339, Stop: 29574, Start Num: 45

Candidate Starts for Dewey_32:

(Start: 45 @28339 has 332 MA's), (51, 28432), (55, 28465), (58, 28477), (62, 28489), (63, 28492), (69, 28555), (70, 28573), (75, 28606), (79, 28666), (81, 28705), (82, 28714), (83, 28717), (85, 28735), (88, 28771), (92, 28819), (93, 28831), (94, 28837), (98, 28900), (99, 28903), (103, 28930), (105, 28942), (111, 29044), (117, 29131), (121, 29170), (124, 29191), (137, 29260), (141, 29290), (144, 29323), (146, 29332), (148, 29338), (151, 29350), (152, 29359), (157, 29422), (160, 29491),

Gene: Dice_51 Start: 41392, Stop: 42747, Start Num: 45

Candidate Starts for Dice_51:

(Start: 45 @41392 has 332 MA's), (48, 41443), (Start: 49 @41476 has 50 MA's), (68, 41605), (69, 41608), (70, 41623), (79, 41719), (81, 41758), (85, 41788), (88, 41824), (96, 41935), (101, 41965), (102, 41968), (107, 42034), (117, 42193), (121, 42241), (123, 42259), (130, 42307), (143, 42451), (149, 42511), (158, 42616), (164, 42703),

Gene: Dingo_49 Start: 41691, Stop: 43046, Start Num: 45

Candidate Starts for Dingo_49:

(Start: 45 @41691 has 332 MA's), (48, 41742), (Start: 49 @41775 has 50 MA's), (52, 41793), (68, 41904), (69, 41907), (70, 41922), (79, 42018), (81, 42057), (85, 42087), (88, 42123), (96, 42234), (101, 42264), (102, 42267), (107, 42333), (117, 42492), (121, 42540), (123, 42558), (130, 42606), (143, 42750), (149, 42810), (158, 42915), (164, 43002),

Gene: Dione_48 Start: 41400, Stop: 42755, Start Num: 45

Candidate Starts for Dione_48:

(Start: 45 @41400 has 332 MA's), (48, 41451), (Start: 49 @41484 has 50 MA's), (68, 41613), (69, 41616), (70, 41631), (79, 41727), (81, 41766), (85, 41796), (88, 41832), (96, 41943), (101, 41973), (102, 41976), (107, 42042), (117, 42201), (121, 42249), (123, 42267), (130, 42315), (143, 42459), (149, 42519), (158, 42624), (164, 42711),

Gene: DirtJuice_49 Start: 41690, Stop: 43045, Start Num: 45

Candidate Starts for DirtJuice_49:

(Start: 45 @41690 has 332 MA's), (48, 41741), (Start: 49 @41774 has 50 MA's), (68, 41903), (69, 41906), (70, 41921), (79, 42017), (81, 42056), (85, 42086), (88, 42122), (96, 42233), (101, 42263), (102, 42266), (107, 42332), (117, 42491), (121, 42539), (123, 42557), (130, 42605), (143, 42749), (149, 42809), (158, 42914), (160, 42968), (164, 43001),

Gene: Doddsville_49 Start: 41420, Stop: 42775, Start Num: 45

Candidate Starts for Doddsville_49:

(Start: 45 @41420 has 332 MA's), (48, 41471), (Start: 49 @41504 has 50 MA's), (68, 41633), (69, 41636), (70, 41651), (79, 41747), (81, 41786), (85, 41816), (88, 41852), (96, 41963), (101, 41993), (102, 41996), (107, 42062), (117, 42221), (121, 42269), (123, 42287), (130, 42335), (143, 42479), (149, 42539), (158, 42644), (164, 42731),

Gene: DoesntMatter_48 Start: 41693, Stop: 43048, Start Num: 45

Candidate Starts for DoesntMatter_48:

(Start: 45 @41693 has 332 MA's), (48, 41744), (Start: 49 @41777 has 50 MA's), (68, 41906), (69, 41909), (70, 41924), (79, 42020), (81, 42059), (85, 42089), (88, 42125), (96, 42236), (101, 42266), (102, 42269), (107, 42335), (117, 42494), (121, 42542), (123, 42560), (130, 42608), (143, 42752), (149, 42812), (158, 42917), (164, 43004),

Gene: DonSanchon_48 Start: 41403, Stop: 42758, Start Num: 45

Candidate Starts for DonSanchon_48:

(Start: 45 @41403 has 332 MA's), (48, 41454), (Start: 49 @41487 has 50 MA's), (68, 41616), (69, 41619), (70, 41634), (79, 41730), (81, 41769), (85, 41799), (88, 41835), (96, 41946), (101, 41976), (102, 41979), (107, 42045), (117, 42204), (121, 42252), (123, 42270), (130, 42318), (143, 42462), (149, 42522), (158, 42627), (164, 42714),

Gene: Donovan_27 Start: 24041, Stop: 25207, Start Num: 49

Candidate Starts for Donovan_27:

(Start: 49 @24041 has 50 MA's), (57, 24098), (69, 24185), (73, 24230), (79, 24305), (80, 24326), (88, 24410), (91, 24449), (96, 24515), (101, 24545), (103, 24566), (107, 24611), (114, 24707), (116, 24746), (117, 24761), (121, 24800), (136, 24887), (138, 24905), (139, 24911), (144, 24959), (149, 24980), (156, 25052), (160, 25127),

Gene: DuchessDung_48 Start: 40692, Stop: 42047, Start Num: 45

Candidate Starts for DuchessDung_48:

(Start: 45 @40692 has 332 MA's), (48, 40743), (Start: 49 @40776 has 50 MA's), (68, 40905), (69, 40908), (70, 40923), (79, 41019), (81, 41058), (85, 41088), (88, 41124), (96, 41235), (101, 41265), (102, 41268), (107, 41334), (117, 41493), (121, 41541), (123, 41559), (130, 41607), (143, 41751), (149, 41811), (158, 41916), (164, 42003),

Gene: Duggie_48 Start: 41422, Stop: 42777, Start Num: 45

Candidate Starts for Duggie_48:

(Start: 45 @41422 has 332 MA's), (48, 41473), (Start: 49 @41506 has 50 MA's), (68, 41635), (69, 41638), (70, 41653), (79, 41749), (81, 41788), (85, 41818), (88, 41854), (96, 41965), (101, 41995), (102, 41998), (107, 42064), (117, 42223), (121, 42271), (123, 42289), (130, 42337), (143, 42481), (149, 42541), (158, 42646), (164, 42733),

Gene: Durga_50 Start: 41858, Stop: 43213, Start Num: 45

Candidate Starts for Durga_50:

(Start: 45 @41858 has 332 MA's), (48, 41909), (Start: 49 @41942 has 50 MA's), (68, 42071), (69, 42074), (70, 42089), (79, 42185), (81, 42224), (85, 42254), (88, 42290), (96, 42401), (101, 42431), (102, 42434), (107, 42500), (117, 42659), (121, 42707), (123, 42725), (130, 42773), (143, 42917), (149, 42977), (158, 43082), (164, 43169),

Gene: Dynamo_27 Start: 24463, Stop: 25629, Start Num: 49

Candidate Starts for Dynamo_27:

(Start: 49 @24463 has 50 MA's), (57, 24520), (69, 24607), (73, 24652), (79, 24727), (80, 24748), (88, 24832), (91, 24871), (96, 24937), (101, 24967), (103, 24988), (107, 25033), (114, 25129), (116, 25168), (117, 25183), (121, 25222), (136, 25309), (138, 25327), (139, 25333), (144, 25381), (149, 25402), (156, 25474), (160, 25549),

Gene: ECartman_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for ECartman_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (121, 26011), (124, 26032), (129, 26071), (130, 26077),

Gene: Ein37_33 Start: 28339, Stop: 29574, Start Num: 45

Candidate Starts for Ein37_33:

(Start: 45 @28339 has 332 MA's), (51, 28432), (55, 28465), (58, 28477), (62, 28489), (63, 28492), (69, 28555), (70, 28573), (75, 28606), (79, 28666), (81, 28705), (82, 28714), (83, 28717), (85, 28735), (88, 28771), (92, 28819), (93, 28831), (94, 28837), (98, 28900), (99, 28903), (103, 28930), (105, 28942), (111, 29044), (117, 29131), (121, 29170), (124, 29191), (137, 29260), (141, 29290), (144, 29323), (146, 29332), (148, 29338), (151, 29350), (152, 29359), (157, 29422), (160, 29491),

Gene: Emiris_50 Start: 41826, Stop: 43181, Start Num: 45

Candidate Starts for Emiris_50:

(Start: 45 @41826 has 332 MA's), (48, 41877), (Start: 49 @41910 has 50 MA's), (68, 42039), (69, 42042), (70, 42057), (79, 42153), (81, 42192), (85, 42222), (88, 42258), (96, 42369), (101, 42399), (102, 42402), (107, 42468), (117, 42627), (121, 42675), (123, 42693), (130, 42741), (143, 42885), (149, 42945), (158, 43050), (164, 43137),

Gene: EmpTee_49 Start: 41706, Stop: 43061, Start Num: 45

Candidate Starts for EmpTee_49:

(Start: 45 @41706 has 332 MA's), (48, 41757), (Start: 49 @41790 has 50 MA's), (52, 41808), (68, 41919), (69, 41922), (70, 41937), (79, 42033), (81, 42072), (85, 42102), (88, 42138), (96, 42249), (101, 42279), (102, 42282), (107, 42348), (117, 42507), (121, 42555), (123, 42573), (130, 42621), (143, 42765), (149, 42825), (158, 42930), (164, 43017),

Gene: Eremos_49 Start: 41699, Stop: 43054, Start Num: 45

Candidate Starts for Eremos_49:

(Start: 45 @41699 has 332 MA's), (48, 41750), (Start: 49 @41783 has 50 MA's), (68, 41912), (69, 41915), (70, 41930), (79, 42026), (81, 42065), (85, 42095), (88, 42131), (96, 42242), (101, 42272), (102, 42275), (107, 42341), (117, 42500), (121, 42548), (123, 42566), (130, 42614), (143, 42758), (149, 42818), (158, 42923), (164, 43010),

Gene: Etaye_49 Start: 41693, Stop: 43048, Start Num: 45

Candidate Starts for Etaye_49:

(Start: 45 @41693 has 332 MA's), (48, 41744), (Start: 49 @41777 has 50 MA's), (68, 41906), (69, 41909), (70, 41924), (79, 42020), (81, 42059), (85, 42089), (88, 42125), (96, 42236), (101, 42266), (102, 42269), (107, 42335), (117, 42494), (121, 42542), (123, 42560), (130, 42608), (143, 42752), (149, 42812), (158, 42917), (160, 42971), (164, 43004),

Gene: Eugenia_49 Start: 41703, Stop: 43058, Start Num: 45

Candidate Starts for Eugenia_49:

(Start: 45 @41703 has 332 MA's), (48, 41754), (Start: 49 @41787 has 50 MA's), (68, 41916), (69, 41919), (70, 41934), (79, 42030), (81, 42069), (85, 42099), (88, 42135), (96, 42246), (101, 42276), (102, 42279), (107, 42345), (117, 42504), (121, 42552), (123, 42570), (130, 42618), (143, 42762), (149, 42822), (158, 42927), (164, 43014),

Gene: Evanesce_32 Start: 28339, Stop: 29574, Start Num: 45

Candidate Starts for Evanesce_32:

(Start: 45 @28339 has 332 MA's), (51, 28432), (55, 28465), (58, 28477), (62, 28489), (63, 28492), (69, 28555), (70, 28573), (75, 28606), (79, 28666), (81, 28705), (82, 28714), (83, 28717), (85, 28735), (88, 28771), (92, 28819), (93, 28831), (94, 28837), (98, 28900), (99, 28903), (103, 28930), (105, 28942), (111, 29044), (117, 29131), (121, 29170), (124, 29191), (137, 29260), (141, 29290), (144, 29323), (146, 29332), (148, 29338), (151, 29350), (152, 29359), (157, 29422), (160, 29491),

Gene: Fang_50 Start: 41851, Stop: 43206, Start Num: 45

Candidate Starts for Fang_50:

(Start: 45 @41851 has 332 MA's), (48, 41902), (Start: 49 @41935 has 50 MA's), (68, 42064), (69, 42067), (70, 42082), (79, 42178), (81, 42217), (85, 42247), (88, 42283), (96, 42394), (101, 42424), (102, 42427), (107, 42493), (117, 42652), (121, 42700), (123, 42718), (130, 42766), (143, 42910), (149, 42970), (158, 43075), (164, 43162),

Gene: FirstPlacePfu_27 Start: 24052, Stop: 25218, Start Num: 49

Candidate Starts for FirstPlacePfu_27:

(Start: 49 @24052 has 50 MA's), (57, 24109), (69, 24196), (73, 24241), (79, 24316), (80, 24337), (88, 24421), (91, 24460), (96, 24526), (101, 24556), (103, 24577), (107, 24622), (114, 24718), (116, 24757), (117, 24772), (119, 24784), (121, 24811), (136, 24898), (138, 24916), (139, 24922), (144, 24970), (149, 24991), (156, 25063), (160, 25138),

Gene: Fishburne_27 Start: 24052, Stop: 25218, Start Num: 49

Candidate Starts for Fishburne_27:

(Start: 49 @24052 has 50 MA's), (57, 24109), (69, 24196), (73, 24241), (79, 24316), (80, 24337), (88, 24421), (91, 24460), (96, 24526), (101, 24556), (103, 24577), (107, 24622), (114, 24718), (116, 24757), (117, 24772), (119, 24784), (121, 24811), (136, 24898), (138, 24916), (139, 24922), (144, 24970), (149, 24991), (156, 25063), (160, 25138),

Gene: FluffyNinja_50 Start: 41844, Stop: 43220, Start Num: 45

Candidate Starts for FluffyNinja_50:

(Start: 45 @41844 has 332 MA's), (48, 41895), (Start: 49 @41928 has 50 MA's), (68, 42057), (69, 42060), (70, 42075), (79, 42171), (81, 42210), (85, 42240), (88, 42276), (96, 42387), (101, 42417), (102, 42420), (107, 42486), (117, 42645), (121, 42693), (123, 42711), (130, 42759), (143, 42924), (149, 42984), (158, 43089), (164, 43176),

Gene: Forge_32 Start: 28339, Stop: 29574, Start Num: 45

Candidate Starts for Forge_32:

(Start: 45 @28339 has 332 MA's), (51, 28432), (55, 28465), (58, 28477), (62, 28489), (63, 28492), (69, 28555), (70, 28573), (75, 28606), (79, 28666), (81, 28705), (82, 28714), (83, 28717), (85, 28735), (88, 28771), (92, 28819), (93, 28831), (94, 28837), (98, 28900), (99, 28903), (103, 28930), (105, 28942), (111, 29044), (117, 29131), (121, 29170), (124, 29191), (137, 29260), (141, 29290), (144, 29323), (146, 29332), (148, 29338), (151, 29350), (152, 29359), (157, 29422), (160, 29491),

Gene: Fozzie_48 Start: 41728, Stop: 43083, Start Num: 45

Candidate Starts for Fozzie_48:

(Start: 45 @41728 has 332 MA's), (48, 41779), (Start: 49 @41812 has 50 MA's), (68, 41941), (69, 41944), (70, 41959), (79, 42055), (81, 42094), (85, 42124), (88, 42160), (96, 42271), (101, 42301), (102, 42304), (107, 42370), (117, 42529), (121, 42577), (123, 42595), (130, 42643), (143, 42787), (149, 42847), (158, 42952), (164, 43039),

Gene: Frankicide_49 Start: 41730, Stop: 43085, Start Num: 45

Candidate Starts for Frankicide_49:

(Start: 45 @41730 has 332 MA's), (48, 41781), (Start: 49 @41814 has 50 MA's), (68, 41943), (69, 41946), (70, 41961), (79, 42057), (81, 42096), (85, 42126), (88, 42162), (96, 42273), (101, 42303), (102, 42306), (107, 42372), (117, 42531), (121, 42579), (123, 42597), (130, 42645), (143, 42789), (149, 42849), (158, 42954), (164, 43041),

Gene: Freya_48 Start: 41391, Stop: 42746, Start Num: 45

Candidate Starts for Freya_48:

(Start: 45 @41391 has 332 MA's), (48, 41442), (Start: 49 @41475 has 50 MA's), (68, 41604), (69, 41607), (70, 41622), (79, 41718), (81, 41757), (85, 41787), (88, 41823), (96, 41934), (101, 41964), (102, 41967), (107, 42033), (117, 42192), (121, 42240), (123, 42258), (130, 42306), (143, 42450), (149, 42510), (158, 42615), (164, 42702),

Gene: FriarPreacher_48 Start: 41742, Stop: 43097, Start Num: 45

Candidate Starts for FriarPreacher_48:

(Start: 45 @41742 has 332 MA's), (48, 41793), (Start: 49 @41826 has 50 MA's), (68, 41955), (69, 41958), (70, 41973), (79, 42069), (81, 42108), (85, 42138), (88, 42174), (96, 42285), (101, 42315), (102, 42318), (107, 42384), (117, 42543), (121, 42591), (123, 42609), (130, 42657), (143, 42801), (149, 42861), (158, 42966), (164, 43053),

Gene: Fringe_50 Start: 41827, Stop: 43182, Start Num: 45

Candidate Starts for Fringe_50:

(Start: 45 @41827 has 332 MA's), (48, 41878), (Start: 49 @41911 has 50 MA's), (68, 42040), (69, 42043), (70, 42058), (79, 42154), (81, 42193), (85, 42223), (88, 42259), (96, 42370), (101, 42400), (102, 42403), (107, 42469), (117, 42628), (121, 42676), (123, 42694), (130, 42742), (143, 42886), (149, 42946), (158, 43051), (164, 43138),

Gene: Frosty24_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Frosty24_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: FugateOSU_48 Start: 41405, Stop: 42760, Start Num: 45

Candidate Starts for FugateOSU_48:

(Start: 45 @41405 has 332 MA's), (48, 41456), (Start: 49 @41489 has 50 MA's), (68, 41618), (69, 41621), (70, 41636), (79, 41732), (81, 41771), (85, 41801), (88, 41837), (96, 41948), (101, 41978), (102, 41981), (107, 42047), (117, 42206), (121, 42254), (123, 42272), (130, 42320), (143, 42464), (149, 42524), (158, 42629), (164, 42716),

Gene: Gancho_32 Start: 28062, Stop: 29297, Start Num: 45

Candidate Starts for Gancho_32:

(Start: 45 @28062 has 332 MA's), (51, 28155), (53, 28167), (55, 28188), (58, 28200), (62, 28212), (63, 28215), (69, 28278), (70, 28296), (75, 28329), (79, 28389), (81, 28428), (82, 28437), (83, 28440), (85, 28458), (88, 28494), (92, 28542), (93, 28554), (94, 28560), (98, 28623), (99, 28626), (105, 28665), (111, 28767), (117, 28854), (121, 28893), (124, 28914), (126, 28929), (137, 28983), (141, 29013),

(144, 29046), (146, 29055), (148, 29061), (151, 29073), (152, 29082), (157, 29145), (160, 29214), (163, 29241),

Gene: Gareth_48 Start: 41399, Stop: 42754, Start Num: 45

Candidate Starts for Gareth_48:

(Start: 45 @41399 has 332 MA's), (48, 41450), (Start: 49 @41483 has 50 MA's), (68, 41612), (69, 41615), (70, 41630), (79, 41726), (81, 41765), (85, 41795), (88, 41831), (96, 41942), (101, 41972), (102, 41975), (107, 42041), (117, 42200), (121, 42248), (123, 42266), (130, 42314), (143, 42458), (149, 42518), (158, 42623), (164, 42710),

Gene: GeneCoco_49 Start: 41714, Stop: 43069, Start Num: 45

Candidate Starts for GeneCoco_49:

(Start: 45 @41714 has 332 MA's), (48, 41765), (Start: 49 @41798 has 50 MA's), (68, 41927), (69, 41930), (70, 41945), (79, 42041), (81, 42080), (85, 42110), (88, 42146), (96, 42257), (101, 42287), (102, 42290), (107, 42356), (117, 42515), (121, 42563), (123, 42581), (130, 42629), (143, 42773), (149, 42833), (158, 42938), (164, 43025),

Gene: Gideon_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Gideon_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Giles_32 Start: 28339, Stop: 29574, Start Num: 45

Candidate Starts for Giles_32:

(Start: 45 @28339 has 332 MA's), (51, 28432), (55, 28465), (58, 28477), (62, 28489), (63, 28492), (69, 28555), (70, 28573), (75, 28606), (79, 28666), (81, 28705), (82, 28714), (83, 28717), (85, 28735), (88, 28771), (92, 28819), (93, 28831), (94, 28837), (98, 28900), (99, 28903), (103, 28930), (105, 28942), (111, 29044), (117, 29131), (121, 29170), (124, 29191), (137, 29260), (141, 29290), (144, 29323), (146, 29332), (148, 29338), (151, 29350), (152, 29359), (157, 29422), (160, 29491),

Gene: Giraffe_49 Start: 41423, Stop: 42778, Start Num: 45

Candidate Starts for Giraffe_49:

(Start: 45 @41423 has 332 MA's), (48, 41474), (Start: 49 @41507 has 50 MA's), (52, 41525), (68, 41636), (69, 41639), (70, 41654), (79, 41750), (81, 41789), (85, 41819), (88, 41855), (96, 41966), (101, 41996), (102, 41999), (107, 42065), (117, 42224), (121, 42272), (123, 42290), (130, 42338), (143, 42482), (149, 42542), (158, 42647), (164, 42734),

Gene: Glaske_27 Start: 24311, Stop: 25477, Start Num: 49

Candidate Starts for Glaske_27:

(15, 23558), (23, 23729), (31, 23825), (34, 23930), (Start: 49 @24311 has 50 MA's), (50, 24320), (56, 24365), (57, 24368), (69, 24455), (73, 24500), (79, 24575), (80, 24596), (81, 24614), (88, 24680), (91, 24719), (96, 24785), (101, 24815), (103, 24836), (107, 24881), (114, 24977), (116, 25016), (117, 25031), (121, 25070), (136, 25157), (138, 25175), (139, 25181), (144, 25229), (156, 25322), (160, 25397),

Gene: GoldenAsh_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for GoldenAsh_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (84, 25567), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Gomashi_28 Start: 25202, Stop: 26410, Start Num: 45

Candidate Starts for Gomashi_28:

(40, 25109), (Start: 45 @25202 has 332 MA's), (67, 25376), (72, 25448), (81, 25547), (82, 25556), (86, 25580), (87, 25589), (88, 25613), (90, 25634), (92, 25661), (93, 25673), (99, 25745), (105, 25784), (117, 25973), (120, 25997), (121, 26012), (124, 26033), (130, 26078), (131, 26081), (141, 26132),

Gene: Gophee_49 Start: 41697, Stop: 43052, Start Num: 45

Candidate Starts for Gophee_49:

(Start: 45 @41697 has 332 MA's), (48, 41748), (Start: 49 @41781 has 50 MA's), (68, 41910), (69, 41913), (70, 41928), (79, 42024), (81, 42063), (85, 42093), (88, 42129), (96, 42240), (101, 42270), (102, 42273), (107, 42339), (117, 42498), (121, 42546), (123, 42564), (130, 42612), (143, 42756), (149, 42816), (158, 42921), (164, 43008),

Gene: Grand2040_48 Start: 41417, Stop: 42772, Start Num: 45

Candidate Starts for Grand2040_48:

(Start: 45 @41417 has 332 MA's), (48, 41468), (Start: 49 @41501 has 50 MA's), (68, 41630), (69, 41633), (70, 41648), (79, 41744), (81, 41783), (85, 41813), (88, 41849), (96, 41960), (101, 41990), (102, 41993), (107, 42059), (117, 42218), (121, 42266), (123, 42284), (130, 42332), (143, 42476), (149, 42536), (158, 42641), (164, 42728),

Gene: Gravallia_32 Start: 28068, Stop: 29303, Start Num: 45

Candidate Starts for Gravallia_32:

(Start: 45 @28068 has 332 MA's), (53, 28173), (55, 28194), (58, 28206), (62, 28218), (63, 28221), (69, 28284), (70, 28302), (75, 28335), (79, 28395), (81, 28434), (82, 28443), (83, 28446), (85, 28464), (88, 28500), (92, 28548), (93, 28560), (94, 28566), (98, 28629), (99, 28632), (103, 28659), (105, 28671), (108, 28728), (117, 28860), (118, 28872), (121, 28899), (124, 28920), (126, 28935), (137, 28989), (141, 29019), (144, 29052), (146, 29061), (151, 29079), (152, 29088), (153, 29097), (157, 29151), (160, 29220), (162, 29241), (163, 29247),

Gene: GreaseLightnin_27 Start: 24303, Stop: 25469, Start Num: 49

Candidate Starts for GreaseLightnin_27:

(14, 23460), (15, 23550), (23, 23721), (31, 23817), (34, 23922), (Start: 49 @24303 has 50 MA's), (50, 24312), (56, 24357), (57, 24360), (69, 24447), (73, 24492), (79, 24567), (80, 24588), (81, 24606), (88, 24672), (91, 24711), (96, 24777), (101, 24807), (103, 24828), (107, 24873), (114, 24969), (116, 25008), (117, 25023), (121, 25062), (136, 25149), (138, 25167), (139, 25173), (144, 25221), (156, 25314), (160, 25389),

Gene: Grizzly_28 Start: 25205, Stop: 26413, Start Num: 45

Candidate Starts for Grizzly_28:

(40, 25112), (Start: 45 @25205 has 332 MA's), (67, 25379), (72, 25451), (79, 25511), (81, 25550), (82, 25559), (86, 25583), (87, 25592), (88, 25616), (90, 25637), (92, 25664), (93, 25676), (99, 25748), (105, 25787), (117, 25976), (121, 26015), (124, 26036), (129, 26075), (130, 26081),

Gene: Gwilliam_50 Start: 41703, Stop: 43058, Start Num: 45

Candidate Starts for Gwilliam_50:

(Start: 45 @41703 has 332 MA's), (48, 41754), (Start: 49 @41787 has 50 MA's), (52, 41805), (68, 41916), (69, 41919), (70, 41934), (79, 42030), (81, 42069), (85, 42099), (88, 42135), (96, 42246), (101, 42276), (102, 42279), (107, 42345), (117, 42504), (121, 42552), (123, 42570), (130, 42618), (143, 42762), (149, 42822), (158, 42927), (160, 42981), (164, 43014),

Gene: Gyarad_0049 Start: 41717, Stop: 43072, Start Num: 45

Candidate Starts for Gyarad_0049:

(Start: 45 @41717 has 332 MA's), (48, 41768), (Start: 49 @41801 has 50 MA's), (68, 41930), (69, 41933), (70, 41948), (79, 42044), (81, 42083), (85, 42113), (88, 42149), (96, 42260), (101, 42290), (102, 42293), (107, 42359), (117, 42518), (121, 42566), (123, 42584), (130, 42632), (143, 42776), (149, 42836), (158, 42941), (164, 43028),

Gene: HC_28 Start: 24164, Stop: 25342, Start Num: 49

Candidate Starts for HC_28:

(Start: 49 @24164 has 50 MA's), (54, 24206), (69, 24311), (73, 24365), (79, 24440), (80, 24461), (88, 24545), (91, 24584), (96, 24650), (101, 24680), (103, 24701), (107, 24746), (114, 24842), (116, 24881), (117, 24896), (121, 24935), (136, 25022), (138, 25040), (139, 25046), (144, 25094), (149, 25115), (156, 25187), (160, 25262), (166, 25304), (167, 25325), (168, 25331),

Gene: HH92_32 Start: 28339, Stop: 29574, Start Num: 45

Candidate Starts for HH92_32:

(Start: 45 @28339 has 332 MA's), (51, 28432), (55, 28465), (58, 28477), (62, 28489), (63, 28492), (69, 28555), (70, 28573), (75, 28606), (79, 28666), (81, 28705), (82, 28714), (83, 28717), (85, 28735), (88, 28771), (92, 28819), (93, 28831), (94, 28837), (98, 28900), (99, 28903), (103, 28930), (105, 28942), (111, 29044), (117, 29131), (121, 29170), (124, 29191), (137, 29260), (141, 29290), (144, 29323), (146, 29332), (148, 29338), (151, 29350), (152, 29359), (157, 29422), (160, 29491),

Gene: HSavage_49 Start: 41709, Stop: 43064, Start Num: 45

Candidate Starts for HSavage_49:

(Start: 45 @41709 has 332 MA's), (48, 41760), (Start: 49 @41793 has 50 MA's), (52, 41811), (68, 41922), (69, 41925), (70, 41940), (79, 42036), (81, 42075), (85, 42105), (88, 42141), (96, 42252), (101, 42282), (102, 42285), (107, 42351), (117, 42510), (121, 42558), (123, 42576), (130, 42624), (143, 42768), (149, 42828), (158, 42933), (160, 42987), (164, 43020),

Gene: HUHilltop_27 Start: 24052, Stop: 25218, Start Num: 49

Candidate Starts for HUHilltop_27:

(Start: 49 @24052 has 50 MA's), (57, 24109), (69, 24196), (73, 24241), (79, 24316), (80, 24337), (88, 24421), (91, 24460), (96, 24526), (101, 24556), (103, 24577), (107, 24622), (114, 24718), (116, 24757), (117, 24772), (119, 24784), (121, 24811), (136, 24898), (138, 24916), (139, 24922), (144, 24970), (149, 24991), (156, 25063), (160, 25138),

Gene: Hadrien_33 Start: 28339, Stop: 29574, Start Num: 45

Candidate Starts for Hadrien_33:

(Start: 45 @28339 has 332 MA's), (51, 28432), (55, 28465), (58, 28477), (62, 28489), (63, 28492), (69, 28555), (70, 28573), (75, 28606), (79, 28666), (81, 28705), (82, 28714), (83, 28717), (85, 28735), (88, 28771), (92, 28819), (93, 28831), (94, 28837), (98, 28900), (99, 28903), (103, 28930), (105, 28942), (111, 29044), (117, 29131), (121, 29170), (124, 29191), (137, 29260), (141, 29290), (144, 29323), (146, 29332), (148, 29338), (151, 29350), (152, 29359), (157, 29422), (160, 29491),

Gene: Hail_32 Start: 28339, Stop: 29574, Start Num: 45

Candidate Starts for Hail_32:

(Start: 45 @28339 has 332 MA's), (51, 28432), (55, 28465), (58, 28477), (62, 28489), (63, 28492), (69, 28555), (70, 28573), (75, 28606), (79, 28666), (81, 28705), (82, 28714), (83, 28717), (85, 28735), (88, 28771), (92, 28819), (93, 28831), (94, 28837), (98, 28900), (99, 28903), (103, 28930), (105, 28942), (111, 29044), (117, 29131), (121, 29170), (124, 29191), (137, 29260), (141, 29290), (144, 29323), (146, 29332), (148, 29338), (151, 29350), (152, 29359), (157, 29422), (160, 29491),

Gene: Haimas_49 Start: 41703, Stop: 43058, Start Num: 45

Candidate Starts for Haimas_49:

(Start: 45 @41703 has 332 MA's), (48, 41754), (Start: 49 @41787 has 50 MA's), (69, 41919), (70, 41934), (79, 42030), (81, 42069), (85, 42099), (88, 42135), (96, 42246), (101, 42276), (102, 42279), (107, 42345), (117, 42504), (121, 42552), (123, 42570), (130, 42618), (143, 42762), (149, 42822), (158, 42927), (164, 43014),

Gene: Haleema_48 Start: 41417, Stop: 42772, Start Num: 45

Candidate Starts for Haleema_48:

(Start: 45 @41417 has 332 MA's), (48, 41468), (Start: 49 @41501 has 50 MA's), (68, 41630), (69, 41633), (70, 41648), (79, 41744), (81, 41783), (85, 41813), (88, 41849), (96, 41960), (101, 41990), (102, 41993), (107, 42059), (117, 42218), (121, 42266), (123, 42284), (130, 42332), (143, 42476), (149, 42536), (158, 42641), (164, 42728),

Gene: Halo_28 Start: 25196, Stop: 26404, Start Num: 45

Candidate Starts for Halo_28:

(40, 25103), (Start: 45 @25196 has 332 MA's), (67, 25370), (72, 25442), (81, 25541), (82, 25550), (84, 25562), (86, 25574), (87, 25583), (88, 25607), (90, 25628), (92, 25655), (93, 25667), (99, 25739), (105, 25778), (117, 25967), (120, 25991), (121, 26006), (124, 26027), (130, 26072), (131, 26075), (141, 26126),

Gene: Hamish_49 Start: 41695, Stop: 43050, Start Num: 45

Candidate Starts for Hamish_49:

(Start: 45 @41695 has 332 MA's), (48, 41746), (Start: 49 @41779 has 50 MA's), (69, 41911), (70, 41926), (79, 42022), (81, 42061), (85, 42091), (88, 42127), (96, 42238), (101, 42268), (102, 42271), (107, 42337), (117, 42496), (121, 42544), (123, 42562), (130, 42610), (143, 42754), (149, 42814), (158, 42919), (164, 43006),

Gene: Hartsy_49 Start: 41746, Stop: 43101, Start Num: 45

Candidate Starts for Hartsy_49:

(Start: 45 @41746 has 332 MA's), (48, 41797), (Start: 49 @41830 has 50 MA's), (68, 41959), (69, 41962), (70, 41977), (79, 42073), (81, 42112), (85, 42142), (88, 42178), (96, 42289), (101, 42319), (102, 42322), (107, 42388), (117, 42547), (121, 42595), (123, 42613), (130, 42661), (143, 42805), (149, 42865), (158, 42970), (164, 43057),

Gene: Harvey_49 Start: 41733, Stop: 43088, Start Num: 45

Candidate Starts for Harvey_49:

(Start: 45 @41733 has 332 MA's), (48, 41784), (Start: 49 @41817 has 50 MA's), (68, 41946), (69, 41949), (70, 41964), (79, 42060), (81, 42099), (85, 42129), (88, 42165), (95, 42240), (96, 42276), (101, 42306), (102, 42309), (107, 42375), (117, 42534), (121, 42582), (123, 42600), (130, 42648), (143, 42792), (149, 42852), (158, 42957), (164, 43044),

Gene: Held_49 Start: 41422, Stop: 42777, Start Num: 45

Candidate Starts for Held_49:

(Start: 45 @41422 has 332 MA's), (48, 41473), (Start: 49 @41506 has 50 MA's), (68, 41635), (69, 41638), (70, 41653), (79, 41749), (81, 41788), (85, 41818), (88, 41854), (96, 41965), (101, 41995), (102, 41998), (107, 42064), (117, 42223), (121, 42271), (123, 42289), (130, 42337), (143, 42481), (149, 42541), (158, 42646), (164, 42733),

Gene: HenryJackson_48 Start: 41417, Stop: 42772, Start Num: 45

Candidate Starts for HenryJackson_48:

(Start: 45 @41417 has 332 MA's), (48, 41468), (Start: 49 @41501 has 50 MA's), (68, 41630), (69, 41633), (70, 41648), (79, 41744), (81, 41783), (85, 41813), (88, 41849), (96, 41960), (101, 41990), (102, 41993), (107, 42059), (117, 42218), (121, 42266), (123, 42284), (130, 42332), (143, 42476), (149, 42536), (158, 42641), (164, 42728),

Gene: Hertubise_49 Start: 41717, Stop: 43072, Start Num: 45

Candidate Starts for Hertubise_49:

(Start: 45 @41717 has 332 MA's), (48, 41768), (Start: 49 @41801 has 50 MA's), (68, 41930), (69, 41933), (70, 41948), (79, 42044), (81, 42083), (85, 42113), (88, 42149), (96, 42260), (101, 42290), (102, 42293), (107, 42359), (117, 42518), (121, 42566), (123, 42584), (130, 42632), (143, 42776), (149, 42836), (158, 42941), (160, 42995), (164, 43028),

Gene: Hetaeria_49 Start: 41734, Stop: 43089, Start Num: 45

Candidate Starts for Hetaeria_49:

(Start: 45 @41734 has 332 MA's), (48, 41785), (Start: 49 @41818 has 50 MA's), (68, 41947), (69, 41950), (70, 41965), (79, 42061), (81, 42100), (85, 42130), (88, 42166), (96, 42277), (101, 42307), (102, 42310), (107, 42376), (117, 42535), (121, 42583), (123, 42601), (130, 42649), (143, 42793), (149, 42853), (158, 42958), (164, 43045),

Gene: HighStump_49 Start: 41544, Stop: 42899, Start Num: 45

Candidate Starts for HighStump_49:

(Start: 45 @41544 has 332 MA's), (48, 41595), (Start: 49 @41628 has 50 MA's), (68, 41757), (69, 41760), (70, 41775), (79, 41871), (81, 41910), (85, 41940), (88, 41976), (96, 42087), (101, 42117), (102, 42120), (107, 42186), (117, 42345), (121, 42393), (123, 42411), (130, 42459), (143, 42603), (149, 42663), (158, 42768), (164, 42855),

Gene: Hilltopfarm_32 Start: 29119, Stop: 30342, Start Num: 45

Candidate Starts for Hilltopfarm_32:

(Start: 45 @29119 has 332 MA's), (47, 29143), (52, 29215), (55, 29239), (60, 29257), (63, 29266), (67, 29299), (69, 29329), (79, 29434), (81, 29473), (82, 29482), (86, 29506), (88, 29539), (92, 29587), (93, 29599), (99, 29671), (106, 29728), (112, 29815), (117, 29902), (118, 29914), (121, 29941), (123, 29959), (124, 29962), (125, 29971), (141, 30061), (155, 30166), (159, 30253), (160, 30262),

Gene: Hocus_48 Start: 41406, Stop: 42761, Start Num: 45

Candidate Starts for Hocus_48:

(Start: 45 @41406 has 332 MA's), (48, 41457), (Start: 49 @41490 has 50 MA's), (68, 41619), (69, 41622), (70, 41637), (79, 41733), (81, 41772), (85, 41802), (88, 41838), (96, 41949), (101, 41979), (102, 41982), (107, 42048), (117, 42207), (121, 42255), (123, 42273), (130, 42321), (143, 42465), (149, 42525), (158, 42630), (164, 42717),

Gene: Hope_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Hope_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Horchata_49 Start: 41709, Stop: 43064, Start Num: 45

Candidate Starts for Horchata_49:

(Start: 45 @41709 has 332 MA's), (48, 41760), (Start: 49 @41793 has 50 MA's), (68, 41922), (69, 41925), (70, 41940), (79, 42036), (81, 42075), (85, 42105), (88, 42141), (96, 42252), (101, 42282), (102, 42285), (107, 42351), (117, 42510), (121, 42558), (123, 42576), (130, 42624), (143, 42768), (149, 42828), (158, 42933), (164, 43020),

Gene: Hotshotbaby7_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Hotshotbaby7_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783),

(117, 25972), (121, 26011), (124, 26032), (129, 26071), (130, 26077),

Gene: IdentityCrisis_26 Start: 21810, Stop: 22982, Start Num: 49

Candidate Starts for IdentityCrisis_26:

(34, 21432), (46, 21741), (Start: 49 @21810 has 50 MA's), (57, 21864), (59, 21867), (69, 21951), (73, 21996), (79, 22071), (80, 22092), (86, 22143), (88, 22176), (91, 22215), (92, 22227), (96, 22281), (103, 22332), (107, 22377), (108, 22392), (114, 22473), (116, 22512), (117, 22527), (119, 22539), (121, 22566), (136, 22653), (138, 22671), (144, 22734), (149, 22755), (153, 22779), (156, 22827), (160, 22902),

Gene: ImtiyazSitla_49 Start: 41392, Stop: 42747, Start Num: 45

Candidate Starts for ImtiyazSitla_49:

(Start: 45 @41392 has 332 MA's), (48, 41443), (Start: 49 @41476 has 50 MA's), (68, 41605), (69, 41608), (70, 41623), (79, 41719), (81, 41758), (85, 41788), (88, 41824), (96, 41935), (101, 41965), (102, 41968), (107, 42034), (117, 42193), (121, 42241), (123, 42259), (130, 42307), (143, 42451), (149, 42511), (158, 42616), (164, 42703),

Gene: Inchworm_50 Start: 41830, Stop: 43185, Start Num: 45

Candidate Starts for Inchworm_50:

(Start: 45 @41830 has 332 MA's), (48, 41881), (Start: 49 @41914 has 50 MA's), (68, 42043), (69, 42046), (70, 42061), (79, 42157), (81, 42196), (85, 42226), (88, 42262), (96, 42373), (101, 42403), (102, 42406), (107, 42472), (117, 42631), (121, 42679), (123, 42697), (130, 42745), (143, 42889), (149, 42949), (158, 43054), (164, 43141),

Gene: Inverness_49 Start: 41718, Stop: 43073, Start Num: 45

Candidate Starts for Inverness_49:

(Start: 45 @41718 has 332 MA's), (48, 41769), (Start: 49 @41802 has 50 MA's), (68, 41931), (69, 41934), (70, 41949), (79, 42045), (81, 42084), (85, 42114), (88, 42150), (96, 42261), (101, 42291), (102, 42294), (107, 42360), (117, 42519), (121, 42567), (123, 42585), (130, 42633), (143, 42777), (149, 42837), (158, 42942), (160, 42996), (164, 43029),

Gene: Iridoclysis_49 Start: 41689, Stop: 43044, Start Num: 45

Candidate Starts for Iridoclysis_49:

(Start: 45 @41689 has 332 MA's), (48, 41740), (Start: 49 @41773 has 50 MA's), (68, 41902), (69, 41905), (70, 41920), (79, 42016), (81, 42055), (85, 42085), (88, 42121), (96, 42232), (101, 42262), (102, 42265), (107, 42331), (117, 42490), (121, 42538), (123, 42556), (130, 42604), (143, 42748), (149, 42808), (158, 42913), (164, 43000),

Gene: IsaacEli_50 Start: 41848, Stop: 43203, Start Num: 45

Candidate Starts for IsaacEli_50:

(Start: 45 @41848 has 332 MA's), (48, 41899), (Start: 49 @41932 has 50 MA's), (68, 42061), (69, 42064), (70, 42079), (79, 42175), (81, 42214), (85, 42244), (88, 42280), (96, 42391), (101, 42421), (102, 42424), (107, 42490), (117, 42649), (121, 42697), (123, 42715), (130, 42763), (143, 42907), (149, 42967), (158, 43072), (164, 43159),

Gene: Island3_30 Start: 26243, Stop: 27409, Start Num: 49

Candidate Starts for Island3_30:

(28, 25709), (31, 25757), (34, 25862), (Start: 49 @26243 has 50 MA's), (50, 26252), (56, 26297), (57, 26300), (69, 26387), (73, 26432), (79, 26507), (80, 26528), (81, 26546), (88, 26612), (91, 26651), (92, 26663), (96, 26717), (101, 26747), (103, 26768), (107, 26813), (114, 26909), (116, 26948), (117, 26963), (119, 26975), (121, 27002), (136, 27089), (138, 27107), (139, 27113), (144, 27161), (153, 27206), (156, 27254), (160, 27329),

Gene: JDog_49 Start: 41426, Stop: 42781, Start Num: 45

Candidate Starts for JDog_49:

(Start: 45 @41426 has 332 MA's), (48, 41477), (Start: 49 @41510 has 50 MA's), (69, 41642), (70, 41657), (79, 41753), (81, 41792), (85, 41822), (88, 41858), (96, 41969), (101, 41999), (102, 42002), (107, 42068), (117, 42227), (121, 42275), (123, 42293), (130, 42341), (143, 42485), (149, 42545), (158, 42650), (160, 42704), (164, 42737),

Gene: JacAttac_50 Start: 41830, Stop: 43185, Start Num: 45

Candidate Starts for JacAttac_50:

(Start: 45 @41830 has 332 MA's), (48, 41881), (Start: 49 @41914 has 50 MA's), (68, 42043), (69, 42046), (70, 42061), (79, 42157), (81, 42196), (85, 42226), (88, 42262), (96, 42373), (101, 42403), (102, 42406), (107, 42472), (117, 42631), (121, 42679), (123, 42697), (130, 42745), (143, 42889), (149, 42949), (158, 43054), (164, 43141),

Gene: JakeO_48 Start: 41425, Stop: 42780, Start Num: 45

Candidate Starts for JakeO_48:

(Start: 45 @41425 has 332 MA's), (48, 41476), (Start: 49 @41509 has 50 MA's), (52, 41527), (68, 41638), (69, 41641), (70, 41656), (79, 41752), (81, 41791), (85, 41821), (88, 41857), (96, 41968), (101, 41998), (102, 42001), (107, 42067), (117, 42226), (121, 42274), (123, 42292), (130, 42340), (143, 42484), (149, 42544), (158, 42649), (164, 42736),

Gene: Jane_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Jane_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: JangoPhett_49 Start: 41700, Stop: 43055, Start Num: 45

Candidate Starts for JangoPhett_49:

(Start: 45 @41700 has 332 MA's), (48, 41751), (Start: 49 @41784 has 50 MA's), (68, 41913), (69, 41916), (70, 41931), (79, 42027), (81, 42066), (85, 42096), (88, 42132), (96, 42243), (101, 42273), (102, 42276), (107, 42342), (117, 42501), (121, 42549), (123, 42567), (130, 42615), (143, 42759), (149, 42819), (158, 42924), (164, 43011),

Gene: Jebeks_27 Start: 24037, Stop: 25203, Start Num: 49

Candidate Starts for Jebeks_27:

(Start: 49 @24037 has 50 MA's), (57, 24094), (69, 24181), (73, 24226), (79, 24301), (80, 24322), (88, 24406), (91, 24445), (96, 24511), (101, 24541), (103, 24562), (107, 24607), (114, 24703), (116, 24742), (117, 24757), (121, 24796), (136, 24883), (138, 24901), (139, 24907), (144, 24955), (149, 24976), (156, 25048), (160, 25123),

Gene: Jillium_48 Start: 41419, Stop: 42774, Start Num: 45

Candidate Starts for Jillium_48:

(Start: 45 @41419 has 332 MA's), (48, 41470), (Start: 49 @41503 has 50 MA's), (68, 41632), (69, 41635), (70, 41650), (79, 41746), (81, 41785), (85, 41815), (88, 41851), (96, 41962), (101, 41992), (102, 41995), (107, 42061), (117, 42220), (121, 42268), (123, 42286), (130, 42334), (143, 42478), (149, 42538), (158, 42643), (164, 42730),

Gene: Jiminy_48 Start: 41260, Stop: 42615, Start Num: 45

Candidate Starts for Jiminy_48:

(Start: 45 @41260 has 332 MA's), (48, 41311), (Start: 49 @41344 has 50 MA's), (68, 41473), (69, 41476), (70, 41491), (79, 41587), (81, 41626), (85, 41656), (88, 41692), (96, 41803), (101, 41833), (102, 41836), (107, 41902), (117, 42061), (121, 42109), (123, 42127), (130, 42175), (143, 42319),

(149, 42379), (158, 42484), (164, 42571),

Gene: Jiraiya_51 Start: 41413, Stop: 42768, Start Num: 45

Candidate Starts for Jiraiya_51:

(Start: 45 @41413 has 332 MA's), (48, 41464), (Start: 49 @41497 has 50 MA's), (68, 41626), (69, 41629), (70, 41644), (79, 41740), (81, 41779), (85, 41809), (88, 41845), (96, 41956), (101, 41986), (102, 41989), (107, 42055), (117, 42214), (121, 42262), (123, 42280), (130, 42328), (143, 42472), (149, 42532), (158, 42637), (164, 42724),

Gene: Jolene_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Jolene_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (121, 26011), (124, 26032), (129, 26071), (130, 26077),

Gene: Jolie2_28 Start: 25718, Stop: 26938, Start Num: 45

Candidate Starts for Jolie2_28:

(41, 25637), (42, 25673), (43, 25679), (Start: 45 @25718 has 332 MA's), (69, 25922), (72, 25964), (81, 26072), (86, 26105), (88, 26138), (92, 26186), (99, 26270), (110, 26408), (117, 26498), (120, 26522), (121, 26537), (122, 26546), (124, 26558), (127, 26585), (129, 26597), (130, 26603), (131, 26606), (151, 26717), (157, 26798), (164, 26897), (165, 26900),

Gene: Jonghyun_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Jonghyun_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (121, 26011), (124, 26032), (129, 26071), (130, 26077),

Gene: JorRay_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for JorRay_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Jung_26 Start: 24014, Stop: 25180, Start Num: 49

Candidate Starts for Jung_26:

(Start: 49 @24014 has 50 MA's), (50, 24023), (56, 24068), (57, 24071), (69, 24158), (73, 24203), (76, 24236), (79, 24278), (80, 24299), (88, 24383), (91, 24422), (96, 24488), (101, 24518), (103, 24539), (107, 24584), (114, 24680), (116, 24719), (117, 24734), (119, 24746), (121, 24773), (136, 24860), (138, 24878), (139, 24884), (144, 24932), (156, 25025), (160, 25100),

Gene: Juniormint_27 Start: 24090, Stop: 25256, Start Num: 49

Candidate Starts for Juniormint_27:

(15, 23337), (31, 23604), (34, 23709), (Start: 49 @24090 has 50 MA's), (50, 24099), (56, 24144), (57, 24147), (69, 24234), (73, 24279), (79, 24354), (80, 24375), (81, 24393), (88, 24459), (91, 24498), (96, 24564), (101, 24594), (103, 24615), (107, 24660), (114, 24756), (116, 24795), (117, 24810), (121, 24849), (136, 24936), (138, 24954), (139, 24960), (144, 25008), (156, 25101), (160, 25176),

Gene: JustASigh_26 Start: 26068, Stop: 27300, Start Num: 45

Candidate Starts for JustASigh_26:

(36, 25912), (37, 25930), (39, 25975), (Start: 45 @26068 has 332 MA's), (65, 26224), (67, 26236), (70, 26281), (75, 26314), (79, 26365), (82, 26413), (88, 26470), (89, 26485), (92, 26521), (93, 26533), (103, 26632), (112, 26749), (115, 26830), (117, 26854), (121, 26893), (131, 26962), (133, 26968),

(134, 26971), (139, 27004), (145, 27052), (160, 27220), (161, 27232),

Gene: KLucky39_49 Start: 41716, Stop: 43071, Start Num: 45

Candidate Starts for KLucky39_49:

(Start: 45 @41716 has 332 MA's), (48, 41767), (Start: 49 @41800 has 50 MA's), (68, 41929), (69, 41932), (70, 41947), (79, 42043), (81, 42082), (85, 42112), (88, 42148), (96, 42259), (101, 42289), (102, 42292), (107, 42358), (117, 42517), (121, 42565), (123, 42583), (130, 42631), (143, 42775), (149, 42835), (158, 42940), (164, 43027),

Gene: Kahve_48 Start: 41414, Stop: 42769, Start Num: 45

Candidate Starts for Kahve_48:

(Start: 45 @41414 has 332 MA's), (48, 41465), (Start: 49 @41498 has 50 MA's), (61, 41561), (68, 41627), (69, 41630), (70, 41645), (79, 41741), (81, 41780), (85, 41810), (88, 41846), (96, 41957), (101, 41987), (102, 41990), (107, 42056), (117, 42215), (121, 42263), (123, 42281), (130, 42329), (143, 42473), (149, 42533), (158, 42638), (164, 42725),

Gene: Kailash_49 Start: 41776, Stop: 43131, Start Num: 45

Candidate Starts for Kailash_49:

(Start: 45 @41776 has 332 MA's), (48, 41827), (Start: 49 @41860 has 50 MA's), (68, 41989), (69, 41992), (70, 42007), (79, 42103), (81, 42142), (85, 42172), (88, 42208), (96, 42319), (101, 42349), (102, 42352), (107, 42418), (117, 42577), (121, 42625), (123, 42643), (130, 42691), (143, 42835), (149, 42895), (158, 43000), (164, 43087),

Gene: Kareem_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Kareem_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Kari_27 Start: 24049, Stop: 25215, Start Num: 49

Candidate Starts for Kari_27:

(Start: 49 @24049 has 50 MA's), (57, 24106), (69, 24193), (73, 24238), (79, 24313), (80, 24334), (88, 24418), (91, 24457), (96, 24523), (101, 24553), (103, 24574), (107, 24619), (114, 24715), (116, 24754), (117, 24769), (119, 24781), (121, 24808), (136, 24895), (138, 24913), (139, 24919), (144, 24967), (149, 24988), (156, 25060), (160, 25135),

Gene: Kasen3_28 Start: 25202, Stop: 26410, Start Num: 45

Candidate Starts for Kasen3_28:

(40, 25109), (Start: 45 @25202 has 332 MA's), (67, 25376), (72, 25448), (81, 25547), (82, 25556), (84, 25568), (86, 25580), (87, 25589), (88, 25613), (90, 25634), (92, 25661), (93, 25673), (99, 25745), (105, 25784), (117, 25973), (120, 25997), (121, 26012), (124, 26033), (130, 26078), (131, 26081), (141, 26132),

Gene: Katniss_50 Start: 41857, Stop: 43212, Start Num: 45

Candidate Starts for Katniss_50:

(Start: 45 @41857 has 332 MA's), (48, 41908), (Start: 49 @41941 has 50 MA's), (68, 42070), (69, 42073), (70, 42088), (79, 42184), (81, 42223), (85, 42253), (88, 42289), (96, 42400), (101, 42430), (102, 42433), (107, 42499), (117, 42658), (121, 42706), (123, 42724), (130, 42772), (143, 42916), (149, 42976), (158, 43081), (164, 43168),

Gene: Keitherie_49 Start: 41760, Stop: 43115, Start Num: 45

Candidate Starts for Keitherie_49:

(Start: 45 @41760 has 332 MA's), (48, 41811), (Start: 49 @41844 has 50 MA's), (68, 41973), (69, 41976), (70, 41991), (79, 42087), (81, 42126), (85, 42156), (88, 42192), (96, 42303), (101, 42333), (102, 42336), (107, 42402), (117, 42561), (121, 42609), (123, 42627), (130, 42675), (143, 42819), (149, 42879), (158, 42984), (164, 43071),

Gene: Kevin1_27 Start: 22755, Stop: 23915, Start Num: 49

Candidate Starts for Kevin1_27:

(11, 21801), (15, 21996), (28, 22230), (34, 22383), (Start: 49 @22755 has 50 MA's), (57, 22812), (69, 22899), (79, 23019), (91, 23163), (92, 23175), (96, 23229), (100, 23256), (101, 23259), (103, 23280), (107, 23325), (112, 23388), (117, 23475), (119, 23487), (121, 23514), (124, 23535), (131, 23583), (136, 23601), (146, 23679), (150, 23694), (156, 23760),

Gene: Kikipoo_50 Start: 41848, Stop: 43203, Start Num: 45

Candidate Starts for Kikipoo_50:

(Start: 45 @41848 has 332 MA's), (48, 41899), (Start: 49 @41932 has 50 MA's), (68, 42061), (69, 42064), (70, 42079), (79, 42175), (81, 42214), (85, 42244), (88, 42280), (96, 42391), (101, 42421), (102, 42424), (107, 42490), (117, 42649), (121, 42697), (123, 42715), (130, 42763), (143, 42907), (149, 42967), (158, 43072), (164, 43159),

Gene: KilKor_27 Start: 24311, Stop: 25477, Start Num: 49

Candidate Starts for KilKor_27:

(15, 23558), (23, 23729), (31, 23825), (34, 23930), (Start: 49 @24311 has 50 MA's), (50, 24320), (56, 24365), (57, 24368), (69, 24455), (73, 24500), (79, 24575), (80, 24596), (81, 24614), (88, 24680), (91, 24719), (96, 24785), (101, 24815), (103, 24836), (107, 24881), (114, 24977), (116, 25016), (117, 25031), (121, 25070), (136, 25157), (138, 25175), (139, 25181), (144, 25229), (156, 25322), (160, 25397),

Gene: Kimbrough_49 Start: 41421, Stop: 42776, Start Num: 45

Candidate Starts for Kimbrough_49:

(Start: 45 @41421 has 332 MA's), (48, 41472), (Start: 49 @41505 has 50 MA's), (52, 41523), (68, 41634), (69, 41637), (70, 41652), (79, 41748), (81, 41787), (85, 41817), (88, 41853), (96, 41964), (101, 41994), (102, 41997), (107, 42063), (117, 42222), (121, 42270), (123, 42288), (130, 42336), (143, 42480), (149, 42540), (158, 42645), (164, 42732),

Gene: Kinbote_33 Start: 28339, Stop: 29574, Start Num: 45

Candidate Starts for Kinbote_33:

(Start: 45 @28339 has 332 MA's), (51, 28432), (55, 28465), (58, 28477), (62, 28489), (63, 28492), (69, 28555), (70, 28573), (75, 28606), (79, 28666), (81, 28705), (82, 28714), (83, 28717), (85, 28735), (88, 28771), (92, 28819), (93, 28831), (94, 28837), (98, 28900), (99, 28903), (103, 28930), (105, 28942), (111, 29044), (117, 29131), (121, 29170), (124, 29191), (137, 29260), (141, 29290), (144, 29323), (146, 29332), (148, 29338), (151, 29350), (152, 29359), (157, 29422), (160, 29491),

Gene: KingTut_40 Start: 37084, Stop: 38439, Start Num: 45

Candidate Starts for KingTut_40:

(Start: 45 @37084 has 332 MA's), (48, 37135), (Start: 49 @37168 has 50 MA's), (68, 37297), (69, 37300), (70, 37315), (79, 37411), (81, 37450), (85, 37480), (88, 37516), (96, 37627), (101, 37657), (102, 37660), (107, 37726), (117, 37885), (121, 37933), (123, 37951), (130, 37999), (143, 38143), (149, 38203), (158, 38308), (164, 38395),

Gene: KingVeVeVe_49 Start: 41692, Stop: 43047, Start Num: 45

Candidate Starts for KingVeVeVe_49:

(Start: 45 @41692 has 332 MA's), (48, 41743), (Start: 49 @41776 has 50 MA's), (52, 41794), (68, 41905), (69, 41908), (70, 41923), (79, 42019), (81, 42058), (85, 42088), (88, 42124), (96, 42235),

(101, 42265), (102, 42268), (107, 42334), (117, 42493), (121, 42541), (123, 42559), (130, 42607), (143, 42751), (149, 42811), (158, 42916), (164, 43003),

Gene: KlimbOn_49 Start: 41710, Stop: 43065, Start Num: 45

Candidate Starts for KlimbOn_49:

(Start: 45 @41710 has 332 MA's), (48, 41761), (Start: 49 @41794 has 50 MA's), (52, 41812), (68, 41923), (69, 41926), (70, 41941), (79, 42037), (81, 42076), (85, 42106), (88, 42142), (96, 42253), (101, 42283), (102, 42286), (107, 42352), (117, 42511), (121, 42559), (123, 42577), (130, 42625), (143, 42769), (149, 42829), (158, 42934), (160, 42988), (164, 43021),

Gene: Kloppinator_50 Start: 42123, Stop: 43478, Start Num: 45

Candidate Starts for Kloppinator_50:

(Start: 45 @42123 has 332 MA's), (48, 42174), (Start: 49 @42207 has 50 MA's), (68, 42336), (69, 42339), (70, 42354), (79, 42450), (81, 42489), (85, 42519), (88, 42555), (96, 42666), (101, 42696), (102, 42699), (107, 42765), (117, 42924), (121, 42972), (123, 42990), (130, 43038), (143, 43182), (149, 43242), (158, 43347), (164, 43434),

Gene: Ksquared_27 Start: 24068, Stop: 25234, Start Num: 49

Candidate Starts for Ksquared_27:

(15, 23315), (31, 23582), (34, 23687), (Start: 49 @24068 has 50 MA's), (50, 24077), (56, 24122), (57, 24125), (69, 24212), (73, 24257), (79, 24332), (80, 24353), (81, 24371), (88, 24437), (91, 24476), (96, 24542), (101, 24572), (103, 24593), (107, 24638), (114, 24734), (116, 24773), (117, 24788), (121, 24827), (136, 24914), (138, 24932), (139, 24938), (144, 24986), (156, 25079), (160, 25154),

Gene: Kwadwo_48 Start: 41396, Stop: 42751, Start Num: 45

Candidate Starts for Kwadwo_48:

(Start: 45 @41396 has 332 MA's), (48, 41447), (Start: 49 @41480 has 50 MA's), (68, 41609), (69, 41612), (70, 41627), (79, 41723), (81, 41762), (85, 41792), (88, 41828), (96, 41939), (101, 41969), (102, 41972), (107, 42038), (117, 42197), (121, 42245), (123, 42263), (130, 42311), (143, 42455), (149, 42515), (158, 42620), (164, 42707),

Gene: Kwksand96_48 Start: 41271, Stop: 42626, Start Num: 45

Candidate Starts for Kwksand96_48:

(Start: 45 @41271 has 332 MA's), (48, 41322), (Start: 49 @41355 has 50 MA's), (68, 41484), (69, 41487), (70, 41502), (79, 41598), (81, 41637), (85, 41667), (88, 41703), (96, 41814), (101, 41844), (102, 41847), (107, 41913), (117, 42072), (121, 42120), (123, 42138), (130, 42186), (143, 42330), (149, 42390), (158, 42495), (164, 42582),

Gene: Labeouficaum_48 Start: 41266, Stop: 42621, Start Num: 45

Candidate Starts for Labeouficaum_48:

(Start: 45 @41266 has 332 MA's), (48, 41317), (Start: 49 @41350 has 50 MA's), (68, 41479), (69, 41482), (70, 41497), (79, 41593), (81, 41632), (85, 41662), (88, 41698), (96, 41809), (101, 41839), (102, 41842), (107, 41908), (117, 42067), (121, 42115), (123, 42133), (130, 42181), (143, 42325), (149, 42385), (158, 42490), (164, 42577),

Gene: Langerak_27 Start: 24036, Stop: 25202, Start Num: 49

Candidate Starts for Langerak_27:

(Start: 49 @24036 has 50 MA's), (57, 24093), (69, 24180), (73, 24225), (79, 24300), (80, 24321), (88, 24405), (91, 24444), (96, 24510), (101, 24540), (103, 24561), (107, 24606), (114, 24702), (116, 24741), (117, 24756), (119, 24768), (121, 24795), (136, 24882), (138, 24900), (139, 24906), (144, 24954), (149, 24975), (156, 25047), (160, 25122),

Gene: LasagnaCat_50 Start: 41842, Stop: 43197, Start Num: 45

Candidate Starts for LasagnaCat_50:

(Start: 45 @41842 has 332 MA's), (48, 41893), (Start: 49 @41926 has 50 MA's), (68, 42055), (69, 42058), (70, 42073), (79, 42169), (81, 42208), (85, 42238), (88, 42274), (96, 42385), (101, 42415), (102, 42418), (107, 42484), (117, 42643), (121, 42691), (123, 42709), (130, 42757), (143, 42901), (149, 42961), (158, 43066), (164, 43153),

Gene: Lasso_49 Start: 41671, Stop: 43026, Start Num: 45

Candidate Starts for Lasso_49:

(Start: 45 @41671 has 332 MA's), (48, 41722), (Start: 49 @41755 has 50 MA's), (68, 41884), (69, 41887), (70, 41902), (79, 41998), (81, 42037), (85, 42067), (88, 42103), (96, 42214), (101, 42244), (102, 42247), (107, 42313), (117, 42472), (121, 42520), (123, 42538), (130, 42586), (143, 42730), (149, 42790), (158, 42895), (164, 42982),

Gene: LeeLot_49 Start: 41723, Stop: 43078, Start Num: 45

Candidate Starts for LeeLot_49:

(Start: 45 @41723 has 332 MA's), (48, 41774), (Start: 49 @41807 has 50 MA's), (68, 41936), (69, 41939), (70, 41954), (79, 42050), (81, 42089), (85, 42119), (88, 42155), (96, 42266), (101, 42296), (102, 42299), (107, 42365), (117, 42524), (121, 42572), (123, 42590), (130, 42638), (143, 42782), (149, 42842), (158, 42947), (164, 43034),

Gene: Lego3393_48 Start: 41851, Stop: 43206, Start Num: 45

Candidate Starts for Lego3393_48:

(Start: 45 @41851 has 332 MA's), (48, 41902), (Start: 49 @41935 has 50 MA's), (68, 42064), (69, 42067), (70, 42082), (79, 42178), (81, 42217), (85, 42247), (88, 42283), (96, 42394), (101, 42424), (102, 42427), (107, 42493), (117, 42652), (121, 42700), (123, 42718), (130, 42766), (143, 42910), (149, 42970), (158, 43075), (164, 43162),

Gene: Legolas_49 Start: 41441, Stop: 42796, Start Num: 45

Candidate Starts for Legolas_49:

(Start: 45 @41441 has 332 MA's), (48, 41492), (Start: 49 @41525 has 50 MA's), (68, 41654), (69, 41657), (70, 41672), (79, 41768), (81, 41807), (85, 41837), (88, 41873), (96, 41984), (101, 42014), (102, 42017), (107, 42083), (117, 42242), (121, 42290), (123, 42308), (130, 42356), (143, 42500), (149, 42560), (158, 42665), (164, 42752),

Gene: LeiMonet_50 Start: 41403, Stop: 42758, Start Num: 45

Candidate Starts for LeiMonet_50:

(Start: 45 @41403 has 332 MA's), (48, 41454), (Start: 49 @41487 has 50 MA's), (52, 41505), (68, 41616), (69, 41619), (70, 41634), (79, 41730), (81, 41769), (85, 41799), (88, 41835), (96, 41946), (101, 41976), (102, 41979), (107, 42045), (117, 42204), (121, 42252), (123, 42270), (130, 42318), (143, 42462), (149, 42522), (158, 42627), (164, 42714),

Gene: LemonSlice_49 Start: 41408, Stop: 42763, Start Num: 45

Candidate Starts for LemonSlice_49:

(Start: 45 @41408 has 332 MA's), (48, 41459), (Start: 49 @41492 has 50 MA's), (68, 41621), (69, 41624), (70, 41639), (79, 41735), (81, 41774), (85, 41804), (88, 41840), (96, 41951), (101, 41981), (102, 41984), (107, 42050), (117, 42209), (121, 42257), (123, 42275), (130, 42323), (143, 42467), (149, 42527), (158, 42632), (164, 42719),

Gene: Lemuria_29 Start: 26871, Stop: 28088, Start Num: 44

Candidate Starts for Lemuria_29:

(16, 26262), (17, 26289), (18, 26313), (19, 26334), (20, 26340), (22, 26388), (25, 26424), (26, 26442), (30, 26508), (33, 26535), (Start: 44 @26871 has 1 MA's), (69, 27075), (72, 27117), (79, 27186), (81, 27225), (82, 27234), (86, 27258), (88, 27291), (89, 27306), (92, 27339), (99, 27423), (110, 27561),

(117, 27651), (120, 27675), (121, 27690), (122, 27699), (124, 27711), (127, 27738), (129, 27750), (130, 27756), (131, 27759), (149, 27864), (164, 28050), (165, 28053),

Gene: Liefie_28 Start: 25200, Stop: 26408, Start Num: 45

Candidate Starts for Liefie_28:

(40, 25107), (Start: 45 @25200 has 332 MA's), (67, 25374), (72, 25446), (79, 25506), (81, 25545), (82, 25554), (86, 25578), (87, 25587), (88, 25611), (90, 25632), (92, 25659), (93, 25671), (99, 25743), (105, 25782), (117, 25971), (121, 26010), (124, 26031), (129, 26070), (130, 26076),

Gene: LilHazelnut_33 Start: 28339, Stop: 29574, Start Num: 45

Candidate Starts for LilHazelnut_33:

(Start: 45 @28339 has 332 MA's), (51, 28432), (55, 28465), (58, 28477), (62, 28489), (63, 28492), (69, 28555), (70, 28573), (75, 28606), (79, 28666), (81, 28705), (82, 28714), (83, 28717), (85, 28735), (88, 28771), (92, 28819), (93, 28831), (94, 28837), (98, 28900), (99, 28903), (103, 28930), (105, 28942), (111, 29044), (117, 29131), (121, 29170), (124, 29191), (137, 29260), (141, 29290), (144, 29323), (146, 29332), (148, 29338), (151, 29350), (152, 29359), (157, 29422), (160, 29491),

Gene: Longacauda_48 Start: 41404, Stop: 42759, Start Num: 45

Candidate Starts for Longacauda_48:

(Start: 45 @41404 has 332 MA's), (48, 41455), (Start: 49 @41488 has 50 MA's), (68, 41617), (69, 41620), (70, 41635), (79, 41731), (81, 41770), (85, 41800), (88, 41836), (96, 41947), (101, 41977), (102, 41980), (107, 42046), (117, 42205), (121, 42253), (123, 42271), (130, 42319), (143, 42463), (149, 42523), (158, 42628), (164, 42715),

Gene: Lopsy_48 Start: 41269, Stop: 42624, Start Num: 45

Candidate Starts for Lopsy_48:

(Start: 45 @41269 has 332 MA's), (48, 41320), (Start: 49 @41353 has 50 MA's), (68, 41482), (69, 41485), (70, 41500), (79, 41596), (81, 41635), (85, 41665), (88, 41701), (96, 41812), (101, 41842), (102, 41845), (107, 41911), (117, 42070), (121, 42118), (123, 42136), (130, 42184), (143, 42328), (149, 42388), (158, 42493), (164, 42580),

Gene: LostAndPhound_48 Start: 41423, Stop: 42778, Start Num: 45

Candidate Starts for LostAndPhound_48:

(Start: 45 @41423 has 332 MA's), (48, 41474), (Start: 49 @41507 has 50 MA's), (52, 41525), (68, 41636), (69, 41639), (70, 41654), (79, 41750), (81, 41789), (85, 41819), (88, 41855), (96, 41966), (101, 41996), (102, 41999), (107, 42065), (117, 42224), (121, 42272), (123, 42290), (130, 42338), (143, 42482), (149, 42542), (158, 42647), (164, 42734),

Gene: LouisV14_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for LouisV14_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: LuckyMarjie_48 Start: 41411, Stop: 42766, Start Num: 45

Candidate Starts for LuckyMarjie_48:

(Start: 45 @41411 has 332 MA's), (48, 41462), (Start: 49 @41495 has 50 MA's), (68, 41624), (69, 41627), (70, 41642), (79, 41738), (81, 41777), (85, 41807), (88, 41843), (96, 41954), (101, 41984), (102, 41987), (107, 42053), (117, 42212), (121, 42260), (123, 42278), (130, 42326), (143, 42470), (149, 42530), (158, 42635), (164, 42722),

Gene: Luke_33 Start: 28294, Stop: 29529, Start Num: 45

Candidate Starts for Luke_33:

(Start: 45 @28294 has 332 MA's), (51, 28387), (55, 28420), (58, 28432), (62, 28444), (63, 28447), (69, 28510), (70, 28528), (75, 28561), (79, 28621), (81, 28660), (82, 28669), (83, 28672), (85, 28690), (88, 28726), (92, 28774), (93, 28786), (94, 28792), (98, 28855), (99, 28858), (103, 28885), (105, 28897), (111, 28999), (117, 29086), (121, 29125), (124, 29146), (137, 29215), (141, 29245), (144, 29278), (146, 29287), (148, 29293), (151, 29305), (152, 29314), (157, 29377), (160, 29446),

Gene: Lulumae_48 Start: 41396, Stop: 42751, Start Num: 45

Candidate Starts for Lulumae_48:

(Start: 45 @41396 has 332 MA's), (48, 41447), (Start: 49 @41480 has 50 MA's), (68, 41609), (69, 41612), (70, 41627), (79, 41723), (81, 41762), (85, 41792), (88, 41828), (96, 41939), (101, 41969), (102, 41972), (107, 42038), (117, 42197), (121, 42245), (123, 42263), (130, 42311), (143, 42455), (149, 42515), (158, 42620), (164, 42707),

Gene: Lulwa_49 Start: 41689, Stop: 43044, Start Num: 45

Candidate Starts for Lulwa_49:

(Start: 45 @41689 has 332 MA's), (48, 41740), (Start: 49 @41773 has 50 MA's), (68, 41902), (69, 41905), (70, 41920), (79, 42016), (81, 42055), (85, 42085), (88, 42121), (96, 42232), (101, 42262), (102, 42265), (107, 42331), (117, 42490), (121, 42538), (123, 42556), (130, 42604), (143, 42748), (149, 42808), (158, 42913), (164, 43000),

Gene: Lumine_48 Start: 41392, Stop: 42747, Start Num: 45

Candidate Starts for Lumine_48:

(Start: 45 @41392 has 332 MA's), (48, 41443), (Start: 49 @41476 has 50 MA's), (68, 41605), (69, 41608), (70, 41623), (79, 41719), (81, 41758), (85, 41788), (88, 41824), (96, 41935), (101, 41965), (102, 41968), (107, 42034), (117, 42193), (121, 42241), (123, 42259), (130, 42307), (143, 42451), (149, 42511), (158, 42616), (164, 42703),

Gene: Luna22_32 Start: 28339, Stop: 29574, Start Num: 45

Candidate Starts for Luna22_32:

(Start: 45 @28339 has 332 MA's), (51, 28432), (55, 28465), (58, 28477), (62, 28489), (63, 28492), (69, 28555), (70, 28573), (75, 28606), (79, 28666), (81, 28705), (82, 28714), (83, 28717), (85, 28735), (88, 28771), (92, 28819), (93, 28831), (94, 28837), (98, 28900), (99, 28903), (103, 28930), (105, 28942), (111, 29044), (117, 29131), (121, 29170), (124, 29191), (137, 29260), (141, 29290), (144, 29323), (146, 29332), (148, 29338), (151, 29350), (152, 29359), (157, 29422), (160, 29491),

Gene: MRabcd_48 Start: 41402, Stop: 42757, Start Num: 45

Candidate Starts for MRabcd_48:

(Start: 45 @41402 has 332 MA's), (48, 41453), (Start: 49 @41486 has 50 MA's), (52, 41504), (68, 41615), (69, 41618), (70, 41633), (79, 41729), (81, 41768), (85, 41798), (88, 41834), (96, 41945), (101, 41975), (102, 41978), (107, 42044), (117, 42203), (121, 42251), (123, 42269), (130, 42317), (143, 42461), (149, 42521), (158, 42626), (164, 42713),

Gene: Mag7_48 Start: 41326, Stop: 42681, Start Num: 45

Candidate Starts for Mag7_48:

(Start: 45 @41326 has 332 MA's), (48, 41377), (Start: 49 @41410 has 50 MA's), (68, 41539), (69, 41542), (70, 41557), (79, 41653), (81, 41692), (85, 41722), (88, 41758), (96, 41869), (101, 41899), (102, 41902), (107, 41968), (117, 42127), (121, 42175), (123, 42193), (130, 42241), (143, 42385), (149, 42445), (158, 42550), (164, 42637),

Gene: Magic8_49 Start: 41761, Stop: 43116, Start Num: 45

Candidate Starts for Magic8_49:

(Start: 45 @41761 has 332 MA's), (48, 41812), (Start: 49 @41845 has 50 MA's), (68, 41974), (69, 41977), (70, 41992), (79, 42088), (81, 42127), (85, 42157), (88, 42193), (96, 42304), (101, 42334),

(102, 42337), (107, 42403), (117, 42562), (121, 42610), (123, 42628), (130, 42676), (143, 42820), (149, 42880), (158, 42985), (164, 43072),

Gene: Majeke_27 Start: 24058, Stop: 25224, Start Num: 49

Candidate Starts for Majeke_27:

(Start: 49 @24058 has 50 MA's), (57, 24115), (69, 24202), (73, 24247), (79, 24322), (80, 24343), (88, 24427), (91, 24466), (96, 24532), (101, 24562), (103, 24583), (107, 24628), (114, 24724), (116, 24763), (117, 24778), (121, 24817), (136, 24904), (138, 24922), (139, 24928), (144, 24976), (149, 24997), (156, 25069), (160, 25144),

Gene: Malithi_27 Start: 23977, Stop: 25143, Start Num: 49

Candidate Starts for Malithi_27:

(Start: 49 @23977 has 50 MA's), (50, 23986), (56, 24031), (57, 24034), (69, 24121), (73, 24166), (76, 24199), (79, 24241), (80, 24262), (81, 24280), (88, 24346), (91, 24385), (96, 24451), (101, 24481), (103, 24502), (107, 24547), (114, 24643), (116, 24682), (117, 24697), (119, 24709), (121, 24736), (136, 24823), (138, 24841), (139, 24847), (144, 24895), (149, 24916), (156, 24988), (160, 25063),

Gene: Mana_48 Start: 41411, Stop: 42766, Start Num: 45

Candidate Starts for Mana_48:

(Start: 45 @41411 has 332 MA's), (48, 41462), (Start: 49 @41495 has 50 MA's), (52, 41513), (68, 41624), (69, 41627), (70, 41642), (79, 41738), (81, 41777), (85, 41807), (88, 41843), (96, 41954), (101, 41984), (102, 41987), (107, 42053), (117, 42212), (121, 42260), (123, 42278), (130, 42326), (143, 42470), (149, 42530), (158, 42635), (164, 42722),

Gene: Manad_49 Start: 41671, Stop: 43026, Start Num: 45

Candidate Starts for Manad_49:

(Start: 45 @41671 has 332 MA's), (48, 41722), (Start: 49 @41755 has 50 MA's), (68, 41884), (69, 41887), (70, 41902), (79, 41998), (81, 42037), (85, 42067), (88, 42103), (96, 42214), (101, 42244), (102, 42247), (107, 42313), (117, 42472), (121, 42520), (123, 42538), (130, 42586), (143, 42730), (149, 42790), (158, 42895), (160, 42949), (164, 42982),

Gene: Mangethe_27 Start: 24058, Stop: 25224, Start Num: 49

Candidate Starts for Mangethe_27:

(Start: 49 @24058 has 50 MA's), (57, 24115), (69, 24202), (73, 24247), (79, 24322), (80, 24343), (88, 24427), (91, 24466), (96, 24532), (101, 24562), (103, 24583), (107, 24628), (114, 24724), (116, 24763), (117, 24778), (121, 24817), (136, 24904), (138, 24922), (139, 24928), (144, 24976), (149, 24997), (156, 25069), (160, 25144),

Gene: Mao1_38 Start: 36347, Stop: 37516, Start Num: 49

Candidate Starts for Mao1_38:

(23, 35753), (28, 35816), (34, 35969), (46, 36278), (Start: 49 @36347 has 50 MA's), (57, 36401), (59, 36404), (69, 36488), (79, 36608), (80, 36629), (88, 36713), (91, 36752), (96, 36818), (103, 36869), (107, 36914), (108, 36929), (114, 37010), (116, 37049), (117, 37064), (119, 37076), (121, 37103), (136, 37190), (138, 37208), (140, 37220), (144, 37268), (149, 37289), (151, 37295), (155, 37340), (156, 37361), (160, 37436), (168, 37505),

Gene: Marmie_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Marmie_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Maru_48 Start: 41354, Stop: 42709, Start Num: 45

Candidate Starts for Maru_48:

(Start: 45 @41354 has 332 MA's), (48, 41405), (Start: 49 @41438 has 50 MA's), (68, 41567), (69, 41570), (70, 41585), (79, 41681), (81, 41720), (85, 41750), (88, 41786), (96, 41897), (101, 41927), (102, 41930), (107, 41996), (117, 42155), (121, 42203), (123, 42221), (130, 42269), (143, 42413), (149, 42473), (158, 42578), (164, 42665),

Gene: Maskar_49 Start: 41392, Stop: 42747, Start Num: 45

Candidate Starts for Maskar_49:

(Start: 45 @41392 has 332 MA's), (48, 41443), (Start: 49 @41476 has 50 MA's), (68, 41605), (69, 41608), (70, 41623), (79, 41719), (81, 41758), (85, 41788), (88, 41824), (96, 41935), (101, 41965), (102, 41968), (107, 42034), (117, 42193), (121, 42241), (123, 42259), (130, 42307), (143, 42451), (149, 42511), (158, 42616), (164, 42703),

Gene: Matalotodo_49 Start: 41706, Stop: 43061, Start Num: 45

Candidate Starts for Matalotodo_49:

(Start: 45 @41706 has 332 MA's), (48, 41757), (Start: 49 @41790 has 50 MA's), (68, 41919), (69, 41922), (70, 41937), (79, 42033), (81, 42072), (85, 42102), (88, 42138), (96, 42249), (101, 42279), (102, 42282), (107, 42348), (117, 42507), (121, 42555), (123, 42573), (130, 42621), (143, 42765), (149, 42825), (158, 42930), (164, 43017),

Gene: Mcshane_48 Start: 41403, Stop: 42758, Start Num: 45

Candidate Starts for Mcshane_48:

(Start: 45 @41403 has 332 MA's), (48, 41454), (Start: 49 @41487 has 50 MA's), (68, 41616), (69, 41619), (70, 41634), (79, 41730), (81, 41769), (85, 41799), (88, 41835), (96, 41946), (101, 41976), (102, 41979), (107, 42045), (117, 42204), (121, 42252), (123, 42270), (130, 42318), (143, 42462), (149, 42522), (158, 42627), (164, 42714),

Gene: Mecca_48 Start: 41409, Stop: 42764, Start Num: 45

Candidate Starts for Mecca_48:

(Start: 45 @41409 has 332 MA's), (48, 41460), (Start: 49 @41493 has 50 MA's), (52, 41511), (68, 41622), (69, 41625), (70, 41640), (79, 41736), (81, 41775), (85, 41805), (88, 41841), (96, 41952), (101, 41982), (102, 41985), (107, 42051), (117, 42210), (121, 42258), (123, 42276), (130, 42324), (143, 42468), (149, 42528), (158, 42633), (164, 42720),

Gene: Megamind20_49 Start: 41431, Stop: 42786, Start Num: 45

Candidate Starts for Megamind20_49:

(Start: 45 @41431 has 332 MA's), (48, 41482), (Start: 49 @41515 has 50 MA's), (68, 41644), (69, 41647), (70, 41662), (79, 41758), (81, 41797), (85, 41827), (88, 41863), (96, 41974), (101, 42004), (102, 42007), (107, 42073), (117, 42232), (121, 42280), (123, 42298), (130, 42346), (143, 42490), (149, 42550), (158, 42655), (164, 42742),

Gene: Megatron_50 Start: 41839, Stop: 43194, Start Num: 45

Candidate Starts for Megatron_50:

(Start: 45 @41839 has 332 MA's), (48, 41890), (Start: 49 @41923 has 50 MA's), (68, 42052), (69, 42055), (70, 42070), (79, 42166), (81, 42205), (85, 42235), (88, 42271), (96, 42382), (101, 42412), (102, 42415), (107, 42481), (117, 42640), (121, 42688), (123, 42706), (130, 42754), (143, 42898), (149, 42958), (158, 43063), (164, 43150),

Gene: Megiddo_27 Start: 24311, Stop: 25477, Start Num: 49

Candidate Starts for Megiddo_27:

(15, 23558), (23, 23729), (31, 23825), (34, 23930), (Start: 49 @24311 has 50 MA's), (50, 24320), (56, 24365), (57, 24368), (69, 24455), (73, 24500), (79, 24575), (80, 24596), (81, 24614), (88, 24680), (91, 24719), (96, 24785), (101, 24815), (103, 24836), (107, 24881), (114, 24977), (116, 25016), (117,

25031), (121, 25070), (136, 25157), (138, 25175), (139, 25181), (144, 25229), (156, 25322), (160, 25397),

Gene: Melc17_49 Start: 41701, Stop: 43056, Start Num: 45

Candidate Starts for Melc17_49:

(Start: 45 @41701 has 332 MA's), (48, 41752), (Start: 49 @41785 has 50 MA's), (69, 41917), (70, 41932), (79, 42028), (81, 42067), (85, 42097), (88, 42133), (96, 42244), (101, 42274), (102, 42277), (107, 42343), (117, 42502), (121, 42550), (123, 42568), (130, 42616), (143, 42760), (149, 42820), (158, 42925), (160, 42979), (164, 43012),

Gene: MelsMeow_49 Start: 41442, Stop: 42800, Start Num: 45

Candidate Starts for MelsMeow_49:

(Start: 45 @41442 has 332 MA's), (48, 41493), (Start: 49 @41526 has 50 MA's), (52, 41544), (68, 41655), (69, 41658), (70, 41673), (79, 41769), (81, 41808), (85, 41838), (88, 41874), (96, 41985), (101, 42015), (102, 42018), (107, 42084), (117, 42243), (121, 42291), (123, 42309), (130, 42357), (143, 42504), (149, 42564), (158, 42669), (164, 42756),

Gene: Mercurio_30 Start: 27399, Stop: 28616, Start Num: 45

Candidate Starts for Mercurio_30:

(Start: 45 @27399 has 332 MA's), (64, 27543), (72, 27645), (79, 27714), (81, 27753), (82, 27762), (86, 27786), (88, 27819), (89, 27834), (92, 27867), (99, 27951), (117, 28179), (121, 28218), (122, 28227), (124, 28239), (128, 28272), (129, 28278), (130, 28284), (131, 28287), (164, 28578), (165, 28581),

Gene: Mesh1_49 Start: 41718, Stop: 43073, Start Num: 45

Candidate Starts for Mesh1_49:

(Start: 45 @41718 has 332 MA's), (48, 41769), (Start: 49 @41802 has 50 MA's), (68, 41931), (69, 41934), (70, 41949), (79, 42045), (81, 42084), (85, 42114), (88, 42150), (96, 42261), (101, 42291), (102, 42294), (107, 42360), (117, 42519), (121, 42567), (123, 42585), (130, 42633), (143, 42777), (149, 42837), (158, 42942), (164, 43029),

Gene: MichaelPhcott_48 Start: 41323, Stop: 42678, Start Num: 45

Candidate Starts for MichaelPhcott_48:

(Start: 45 @41323 has 332 MA's), (48, 41374), (Start: 49 @41407 has 50 MA's), (68, 41536), (69, 41539), (70, 41554), (79, 41650), (81, 41689), (85, 41719), (88, 41755), (96, 41866), (101, 41896), (102, 41899), (107, 41965), (117, 42124), (121, 42172), (123, 42190), (130, 42238), (143, 42382), (149, 42442), (158, 42547), (164, 42634),

Gene: Mikota_49 Start: 41689, Stop: 43044, Start Num: 45

Candidate Starts for Mikota_49:

(Start: 45 @41689 has 332 MA's), (48, 41740), (Start: 49 @41773 has 50 MA's), (68, 41902), (69, 41905), (70, 41920), (79, 42016), (81, 42055), (85, 42085), (88, 42121), (96, 42232), (101, 42262), (102, 42265), (107, 42331), (117, 42490), (121, 42538), (123, 42556), (130, 42604), (143, 42748), (149, 42808), (158, 42913), (164, 43000),

Gene: MiniBoss_49 Start: 41695, Stop: 43050, Start Num: 45

Candidate Starts for MiniBoss_49:

(Start: 45 @41695 has 332 MA's), (48, 41746), (Start: 49 @41779 has 50 MA's), (52, 41797), (68, 41908), (69, 41911), (70, 41926), (79, 42022), (81, 42061), (85, 42091), (88, 42127), (96, 42238), (101, 42268), (102, 42271), (107, 42337), (117, 42496), (121, 42544), (123, 42562), (130, 42610), (143, 42754), (149, 42814), (158, 42919), (164, 43006),

Gene: MitKao_49 Start: 41421, Stop: 42776, Start Num: 45

Candidate Starts for MitKao_49:

(Start: 45 @41421 has 332 MA's), (48, 41472), (Start: 49 @41505 has 50 MA's), (52, 41523), (68, 41634), (69, 41637), (70, 41652), (79, 41748), (81, 41787), (85, 41817), (88, 41853), (96, 41964), (101, 41994), (102, 41997), (107, 42063), (117, 42222), (121, 42270), (123, 42288), (130, 42336), (143, 42480), (149, 42540), (158, 42645), (164, 42732),

Gene: Morgushi_49 Start: 41410, Stop: 42765, Start Num: 45

Candidate Starts for Morgushi_49:

(Start: 45 @41410 has 332 MA's), (48, 41461), (Start: 49 @41494 has 50 MA's), (68, 41623), (69, 41626), (70, 41641), (79, 41737), (81, 41776), (85, 41806), (88, 41842), (96, 41953), (101, 41983), (102, 41986), (107, 42052), (117, 42211), (121, 42259), (123, 42277), (130, 42325), (143, 42469), (149, 42529), (158, 42634), (164, 42721),

Gene: Morty_50 Start: 41848, Stop: 43203, Start Num: 45

Candidate Starts for Morty_50:

(Start: 45 @41848 has 332 MA's), (48, 41899), (Start: 49 @41932 has 50 MA's), (68, 42061), (69, 42064), (70, 42079), (79, 42175), (81, 42214), (85, 42244), (88, 42280), (96, 42391), (101, 42421), (102, 42424), (107, 42490), (117, 42649), (121, 42697), (123, 42715), (130, 42763), (143, 42907), (149, 42967), (158, 43072), (164, 43159),

Gene: Mosaic_48 Start: 41415, Stop: 42770, Start Num: 45

Candidate Starts for Mosaic_48:

(Start: 45 @41415 has 332 MA's), (48, 41466), (Start: 49 @41499 has 50 MA's), (52, 41517), (68, 41628), (69, 41631), (70, 41646), (79, 41742), (81, 41781), (85, 41811), (88, 41847), (96, 41958), (101, 41988), (102, 41991), (107, 42057), (117, 42216), (121, 42264), (123, 42282), (130, 42330), (143, 42474), (149, 42534), (158, 42639), (164, 42726),

Gene: Mowgli_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Mowgli_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: MrPhizzler_48 Start: 41412, Stop: 42767, Start Num: 45

Candidate Starts for MrPhizzler_48:

(Start: 45 @41412 has 332 MA's), (48, 41463), (Start: 49 @41496 has 50 MA's), (68, 41625), (69, 41628), (70, 41643), (79, 41739), (81, 41778), (85, 41808), (88, 41844), (96, 41955), (101, 41985), (102, 41988), (107, 42054), (117, 42213), (121, 42261), (123, 42279), (130, 42327), (143, 42471), (149, 42531), (158, 42636), (164, 42723),

Gene: Mulan_49 Start: 41565, Stop: 42920, Start Num: 45

Candidate Starts for Mulan_49:

(Start: 45 @41565 has 332 MA's), (48, 41616), (Start: 49 @41649 has 50 MA's), (68, 41778), (69, 41781), (70, 41796), (79, 41892), (81, 41931), (85, 41961), (88, 41997), (96, 42108), (101, 42138), (102, 42141), (107, 42207), (117, 42366), (121, 42414), (123, 42432), (130, 42480), (143, 42624), (149, 42684), (158, 42789), (164, 42876),

Gene: Murdoc_49 Start: 41696, Stop: 43051, Start Num: 45

Candidate Starts for Murdoc_49:

(Start: 45 @41696 has 332 MA's), (48, 41747), (Start: 49 @41780 has 50 MA's), (68, 41909), (69, 41912), (70, 41927), (79, 42023), (81, 42062), (85, 42092), (88, 42128), (96, 42239), (101, 42269), (102, 42272), (107, 42338), (117, 42497), (121, 42545), (123, 42563), (130, 42611), (143, 42755), (149, 42815), (158, 42920), (164, 43007),

Gene: Mutante_48 Start: 41415, Stop: 42770, Start Num: 45

Candidate Starts for Mutante_48:

(Start: 45 @41415 has 332 MA's), (48, 41466), (Start: 49 @41499 has 50 MA's), (68, 41628), (69, 41631), (70, 41646), (79, 41742), (81, 41781), (85, 41811), (88, 41847), (96, 41958), (101, 41988), (102, 41991), (107, 42057), (117, 42216), (121, 42264), (123, 42282), (130, 42330), (143, 42474), (149, 42534), (158, 42639), (164, 42726),

Gene: Nacho_0050 Start: 41842, Stop: 43197, Start Num: 45

Candidate Starts for Nacho_0050:

(Start: 45 @41842 has 332 MA's), (48, 41893), (Start: 49 @41926 has 50 MA's), (52, 41944), (68, 42055), (69, 42058), (70, 42073), (79, 42169), (81, 42208), (85, 42238), (88, 42274), (96, 42385), (101, 42415), (102, 42418), (107, 42484), (117, 42643), (121, 42691), (123, 42709), (130, 42757), (143, 42901), (149, 42961), (158, 43066), (164, 43153),

Gene: Necropolis_27 Start: 24049, Stop: 25215, Start Num: 49

Candidate Starts for Necropolis_27:

(Start: 49 @24049 has 50 MA's), (56, 24103), (57, 24106), (69, 24193), (73, 24238), (79, 24313), (80, 24334), (81, 24352), (88, 24418), (91, 24457), (96, 24523), (101, 24553), (103, 24574), (107, 24619), (114, 24715), (116, 24754), (117, 24769), (121, 24808), (136, 24895), (138, 24913), (139, 24919), (144, 24967), (149, 24988), (156, 25060), (160, 25135),

Gene: Newman_49 Start: 41713, Stop: 43068, Start Num: 45

Candidate Starts for Newman_49:

(Start: 45 @41713 has 332 MA's), (48, 41764), (Start: 49 @41797 has 50 MA's), (52, 41815), (68, 41926), (69, 41929), (70, 41944), (79, 42040), (81, 42079), (85, 42109), (88, 42145), (96, 42256), (101, 42286), (102, 42289), (107, 42355), (117, 42514), (121, 42562), (123, 42580), (130, 42628), (143, 42772), (149, 42832), (158, 42937), (160, 42991), (164, 43024),

Gene: Nicole21_49 Start: 41717, Stop: 43072, Start Num: 45

Candidate Starts for Nicole21_49:

(Start: 45 @41717 has 332 MA's), (48, 41768), (Start: 49 @41801 has 50 MA's), (68, 41930), (69, 41933), (70, 41948), (79, 42044), (81, 42083), (85, 42113), (88, 42149), (96, 42260), (101, 42290), (102, 42293), (107, 42359), (117, 42518), (121, 42566), (123, 42584), (130, 42632), (143, 42776), (149, 42836), (158, 42941), (164, 43028),

Gene: Numberten_49 Start: 41708, Stop: 43063, Start Num: 45

Candidate Starts for Numberten_49:

(Start: 45 @41708 has 332 MA's), (48, 41759), (Start: 49 @41792 has 50 MA's), (68, 41921), (69, 41924), (70, 41939), (79, 42035), (81, 42074), (85, 42104), (88, 42140), (96, 42251), (101, 42281), (102, 42284), (107, 42350), (117, 42509), (121, 42557), (123, 42575), (130, 42623), (143, 42767), (149, 42827), (158, 42932), (164, 43019),

Gene: Nyala_48 Start: 41407, Stop: 42762, Start Num: 45

Candidate Starts for Nyala_48:

(Start: 45 @41407 has 332 MA's), (48, 41458), (Start: 49 @41491 has 50 MA's), (68, 41620), (69, 41623), (70, 41638), (79, 41734), (81, 41773), (85, 41803), (88, 41839), (96, 41950), (101, 41980), (102, 41983), (107, 42049), (117, 42208), (121, 42256), (123, 42274), (130, 42322), (143, 42466), (149, 42526), (158, 42631), (164, 42718),

Gene: OBUpride_33 Start: 28333, Stop: 29568, Start Num: 45

Candidate Starts for OBUpride_33:

(Start: 45 @28333 has 332 MA's), (51, 28426), (55, 28459), (58, 28471), (62, 28483), (63, 28486), (69, 28549), (70, 28567), (75, 28600), (79, 28660), (81, 28699), (82, 28708), (83, 28711), (85, 28729), (88,

28765), (92, 28813), (93, 28825), (94, 28831), (98, 28894), (99, 28897), (103, 28924), (105, 28936), (111, 29038), (117, 29125), (121, 29164), (124, 29185), (137, 29254), (141, 29284), (144, 29317), (146, 29326), (148, 29332), (151, 29344), (152, 29353), (157, 29416), (160, 29485),

Gene: OSmaximus_50 Start: 41881, Stop: 43236, Start Num: 45

Candidate Starts for OSmaximus_50:

(Start: 45 @41881 has 332 MA's), (48, 41932), (Start: 49 @41965 has 50 MA's), (68, 42094), (69, 42097), (70, 42112), (79, 42208), (81, 42247), (85, 42277), (88, 42313), (96, 42424), (101, 42454), (102, 42457), (107, 42523), (117, 42682), (121, 42730), (123, 42748), (130, 42796), (143, 42940), (149, 43000), (158, 43105), (160, 43159), (164, 43192),

Gene: OctaviousRex_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for OctaviousRex_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Olak_49 Start: 41410, Stop: 42765, Start Num: 45

Candidate Starts for Olak_49:

(Start: 45 @41410 has 332 MA's), (48, 41461), (Start: 49 @41494 has 50 MA's), (68, 41623), (69, 41626), (70, 41641), (79, 41737), (81, 41776), (85, 41806), (88, 41842), (96, 41953), (101, 41983), (102, 41986), (107, 42052), (117, 42211), (121, 42259), (123, 42277), (130, 42325), (143, 42469), (149, 42529), (158, 42634), (164, 42721),

Gene: Olga_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Olga_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Oline_48 Start: 41270, Stop: 42625, Start Num: 45

Candidate Starts for Oline_48:

(Start: 45 @41270 has 332 MA's), (48, 41321), (Start: 49 @41354 has 50 MA's), (68, 41483), (69, 41486), (70, 41501), (79, 41597), (81, 41636), (85, 41666), (88, 41702), (96, 41813), (101, 41843), (102, 41846), (107, 41912), (117, 42071), (121, 42119), (123, 42137), (130, 42185), (143, 42329), (149, 42389), (158, 42494), (164, 42581),

Gene: Olive_49 Start: 41697, Stop: 43052, Start Num: 45

Candidate Starts for Olive_49:

(Start: 45 @41697 has 332 MA's), (48, 41748), (Start: 49 @41781 has 50 MA's), (58, 41835), (68, 41910), (69, 41913), (70, 41928), (79, 42024), (81, 42063), (85, 42093), (88, 42129), (96, 42240), (101, 42270), (102, 42273), (107, 42339), (117, 42498), (121, 42546), (123, 42564), (130, 42612), (143, 42756), (149, 42816), (158, 42921), (164, 43008),

Gene: OliverWalter_49 Start: 41719, Stop: 43074, Start Num: 45

Candidate Starts for OliverWalter_49:

(Start: 45 @41719 has 332 MA's), (48, 41770), (Start: 49 @41803 has 50 MA's), (68, 41932), (69, 41935), (70, 41950), (79, 42046), (81, 42085), (85, 42115), (88, 42151), (96, 42262), (101, 42292), (102, 42295), (107, 42361), (117, 42520), (121, 42568), (123, 42586), (130, 42634), (143, 42778), (149, 42838), (158, 42943), (160, 42997), (164, 43030),

Gene: Omniscient_49 Start: 41716, Stop: 43071, Start Num: 45

Candidate Starts for Omniscient_49:

(Start: 45 @41716 has 332 MA's), (48, 41767), (Start: 49 @41800 has 50 MA's), (52, 41818), (68, 41929), (69, 41932), (70, 41947), (79, 42043), (81, 42082), (85, 42112), (88, 42148), (96, 42259), (101, 42289), (102, 42292), (107, 42358), (117, 42517), (121, 42565), (123, 42583), (130, 42631), (143, 42775), (149, 42835), (158, 42940), (164, 43027),

Gene: Oosterbaan_49 Start: 41704, Stop: 43059, Start Num: 45

Candidate Starts for Oosterbaan_49:

(Start: 45 @41704 has 332 MA's), (48, 41755), (Start: 49 @41788 has 50 MA's), (68, 41917), (69, 41920), (70, 41935), (79, 42031), (81, 42070), (85, 42100), (88, 42136), (96, 42247), (101, 42277), (102, 42280), (107, 42346), (117, 42505), (121, 42553), (123, 42571), (130, 42619), (143, 42763), (149, 42823), (158, 42928), (160, 42982), (164, 43015),

Gene: Orfeu_49 Start: 41403, Stop: 42758, Start Num: 45

Candidate Starts for Orfeu_49:

(Start: 45 @41403 has 332 MA's), (48, 41454), (Start: 49 @41487 has 50 MA's), (68, 41616), (69, 41619), (70, 41634), (79, 41730), (81, 41769), (85, 41799), (88, 41835), (96, 41946), (101, 41976), (102, 41979), (107, 42045), (117, 42204), (121, 42252), (123, 42270), (130, 42318), (143, 42462), (149, 42522), (158, 42627), (164, 42714),

Gene: Orion_50 Start: 41837, Stop: 43192, Start Num: 45

Candidate Starts for Orion_50:

(Start: 45 @41837 has 332 MA's), (48, 41888), (Start: 49 @41921 has 50 MA's), (68, 42050), (69, 42053), (70, 42068), (79, 42164), (81, 42203), (85, 42233), (88, 42269), (96, 42380), (101, 42410), (102, 42413), (107, 42479), (117, 42638), (121, 42686), (123, 42704), (130, 42752), (143, 42896), (149, 42956), (158, 43061), (164, 43148),

Gene: Orwigg_50 Start: 41403, Stop: 42758, Start Num: 45

Candidate Starts for Orwigg_50:

(Start: 45 @41403 has 332 MA's), (48, 41454), (Start: 49 @41487 has 50 MA's), (68, 41616), (69, 41619), (70, 41634), (79, 41730), (81, 41769), (85, 41799), (88, 41835), (96, 41946), (101, 41976), (102, 41979), (107, 42045), (117, 42204), (121, 42252), (123, 42270), (130, 42318), (143, 42462), (149, 42522), (158, 42627), (164, 42714),

Gene: PG1_50 Start: 41850, Stop: 43205, Start Num: 45

Candidate Starts for PG1_50:

(Start: 45 @41850 has 332 MA's), (48, 41901), (Start: 49 @41934 has 50 MA's), (68, 42063), (69, 42066), (70, 42081), (79, 42177), (81, 42216), (85, 42246), (88, 42282), (96, 42393), (101, 42423), (102, 42426), (107, 42492), (117, 42651), (121, 42699), (123, 42717), (130, 42765), (143, 42909), (149, 42969), (158, 43074), (164, 43161),

Gene: Pacifista_51 Start: 41406, Stop: 42761, Start Num: 45

Candidate Starts for Pacifista_51:

(Start: 45 @41406 has 332 MA's), (48, 41457), (Start: 49 @41490 has 50 MA's), (68, 41619), (69, 41622), (70, 41637), (79, 41733), (81, 41772), (85, 41802), (88, 41838), (96, 41949), (101, 41979), (102, 41982), (107, 42048), (117, 42207), (121, 42255), (123, 42273), (130, 42321), (143, 42465), (149, 42525), (158, 42630), (164, 42717),

Gene: Paito_28 Start: 25437, Stop: 26654, Start Num: 45

Candidate Starts for Paito_28:

(22, 24921), (30, 25041), (35, 25197), (Start: 45 @25437 has 332 MA's), (67, 25611), (72, 25683), (81, 25791), (86, 25824), (88, 25857), (90, 25878), (92, 25905), (93, 25917), (99, 25989), (105, 26028), (113, 26160), (117, 26217), (120, 26241), (121, 26256), (128, 26310), (129, 26316), (130, 26322), (131, 26325),

Gene: Peeb_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Peeb_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (84, 25567), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Periodt_28 Start: 25201, Stop: 26400, Start Num: 45

Candidate Starts for Periodt_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25537), (82, 25546), (86, 25570), (87, 25579), (88, 25603), (90, 25624), (92, 25651), (93, 25663), (99, 25735), (105, 25774), (117, 25963), (121, 26002), (124, 26023), (129, 26062), (130, 26068),

Gene: Phalm_27 Start: 24311, Stop: 25477, Start Num: 49

Candidate Starts for Phalm_27:

(15, 23558), (23, 23729), (31, 23825), (34, 23930), (Start: 49 @24311 has 50 MA's), (50, 24320), (56, 24365), (57, 24368), (69, 24455), (73, 24500), (79, 24575), (80, 24596), (81, 24614), (88, 24680), (91, 24719), (96, 24785), (101, 24815), (103, 24836), (107, 24881), (114, 24977), (116, 25016), (117, 25031), (121, 25070), (136, 25157), (138, 25175), (139, 25181), (144, 25229), (156, 25322), (160, 25397),

Gene: Phamished_50 Start: 41857, Stop: 43212, Start Num: 45

Candidate Starts for Phamished_50:

(Start: 45 @41857 has 332 MA's), (48, 41908), (Start: 49 @41941 has 50 MA's), (68, 42070), (69, 42073), (70, 42088), (79, 42184), (81, 42223), (85, 42253), (88, 42289), (96, 42400), (101, 42430), (102, 42433), (107, 42499), (117, 42658), (121, 42706), (123, 42724), (130, 42772), (143, 42916), (149, 42976), (158, 43081), (164, 43168),

Gene: Phareon_49 Start: 41405, Stop: 42760, Start Num: 45

Candidate Starts for Phareon_49:

(Start: 45 @41405 has 332 MA's), (48, 41456), (Start: 49 @41489 has 50 MA's), (68, 41618), (69, 41621), (70, 41636), (79, 41732), (81, 41771), (85, 41801), (88, 41837), (96, 41948), (101, 41978), (102, 41981), (107, 42047), (117, 42206), (121, 42254), (123, 42272), (130, 42320), (143, 42464), (149, 42524), (158, 42629), (164, 42716),

Gene: PhatCats2014_50 Start: 41854, Stop: 43209, Start Num: 45

Candidate Starts for PhatCats2014_50:

(Start: 45 @41854 has 332 MA's), (48, 41905), (Start: 49 @41938 has 50 MA's), (68, 42067), (69, 42070), (70, 42085), (79, 42181), (81, 42220), (85, 42250), (88, 42286), (96, 42397), (101, 42427), (102, 42430), (107, 42496), (117, 42655), (121, 42703), (123, 42721), (130, 42769), (143, 42913), (149, 42973), (158, 43078), (164, 43165),

Gene: PhatLouie_49 Start: 41708, Stop: 43063, Start Num: 45

Candidate Starts for PhatLouie_49:

(Start: 45 @41708 has 332 MA's), (48, 41759), (Start: 49 @41792 has 50 MA's), (68, 41921), (69, 41924), (70, 41939), (79, 42035), (81, 42074), (85, 42104), (88, 42140), (96, 42251), (101, 42281), (102, 42284), (107, 42350), (117, 42509), (121, 42557), (123, 42575), (130, 42623), (143, 42767), (149, 42827), (158, 42932), (164, 43019),

Gene: Phegasus_27 Start: 24058, Stop: 25224, Start Num: 49

Candidate Starts for Phegasus_27:

(Start: 49 @24058 has 50 MA's), (57, 24115), (69, 24202), (73, 24247), (79, 24322), (80, 24343), (88, 24427), (91, 24466), (96, 24532), (101, 24562), (103, 24583), (107, 24628), (114, 24724), (116, 24763), (117, 24778), (121, 24817), (136, 24904), (138, 24922), (139, 24928), (144, 24976), (149, 24997), (156, 25069), (160, 25144),

Gene: PhenghisKhan_48 Start: 41329, Stop: 42684, Start Num: 45

Candidate Starts for PhenghisKhan_48:

(Start: 45 @41329 has 332 MA's), (48, 41380), (Start: 49 @41413 has 50 MA's), (68, 41542), (69, 41545), (70, 41560), (79, 41656), (81, 41695), (85, 41725), (88, 41761), (96, 41872), (101, 41902), (102, 41905), (107, 41971), (117, 42130), (121, 42178), (123, 42196), (130, 42244), (143, 42388), (149, 42448), (158, 42553), (164, 42640),

Gene: Pherdinand_50 Start: 41845, Stop: 43221, Start Num: 45

Candidate Starts for Pherdinand_50:

(Start: 45 @41845 has 332 MA's), (48, 41896), (Start: 49 @41929 has 50 MA's), (68, 42058), (69, 42061), (70, 42076), (79, 42172), (81, 42211), (85, 42241), (88, 42277), (96, 42388), (101, 42418), (102, 42421), (107, 42487), (117, 42646), (121, 42694), (123, 42712), (130, 42760), (143, 42925), (149, 42985), (158, 43090), (164, 43177),

Gene: Phergie_49 Start: 41321, Stop: 42676, Start Num: 45

Candidate Starts for Phergie_49:

(Start: 45 @41321 has 332 MA's), (48, 41372), (Start: 49 @41405 has 50 MA's), (68, 41534), (69, 41537), (70, 41552), (79, 41648), (81, 41687), (85, 41717), (88, 41753), (96, 41864), (101, 41894), (102, 41897), (107, 41963), (117, 42122), (121, 42170), (123, 42188), (130, 42236), (143, 42380), (149, 42440), (158, 42545), (164, 42632),

Gene: Phineas_27 Start: 24423, Stop: 25589, Start Num: 49

Candidate Starts for Phineas_27:

(Start: 49 @24423 has 50 MA's), (57, 24480), (69, 24567), (73, 24612), (79, 24687), (80, 24708), (88, 24792), (91, 24831), (96, 24897), (101, 24927), (103, 24948), (107, 24993), (114, 25089), (116, 25128), (117, 25143), (121, 25182), (136, 25269), (138, 25287), (139, 25293), (144, 25341), (149, 25362), (156, 25434), (160, 25509),

Gene: Phipps_49 Start: 41685, Stop: 43040, Start Num: 45

Candidate Starts for Phipps_49:

(Start: 45 @41685 has 332 MA's), (48, 41736), (Start: 49 @41769 has 50 MA's), (68, 41898), (69, 41901), (70, 41916), (79, 42012), (81, 42051), (85, 42081), (88, 42117), (96, 42228), (101, 42258), (102, 42261), (107, 42327), (117, 42486), (121, 42534), (123, 42552), (130, 42600), (143, 42744), (149, 42804), (158, 42909), (164, 42996),

Gene: Phish_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Phish_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Phleuron_48 Start: 41326, Stop: 42681, Start Num: 45

Candidate Starts for Phleuron_48:

(Start: 45 @41326 has 332 MA's), (48, 41377), (Start: 49 @41410 has 50 MA's), (68, 41539), (69, 41542), (70, 41557), (79, 41653), (81, 41692), (85, 41722), (88, 41758), (96, 41869), (101, 41899), (102, 41902), (107, 41968), (117, 42127), (121, 42175), (123, 42193), (130, 42241), (143, 42385), (149, 42445), (158, 42550), (164, 42637),

Gene: PhrankReynolds_47 Start: 41326, Stop: 42681, Start Num: 45

Candidate Starts for PhrankReynolds_47:

(Start: 45 @41326 has 332 MA's), (48, 41377), (Start: 49 @41410 has 50 MA's), (68, 41539), (69, 41542), (70, 41557), (79, 41653), (81, 41692), (85, 41722), (88, 41758), (96, 41869), (101, 41899), (102, 41902), (107, 41968), (117, 42127), (121, 42175), (123, 42193), (130, 42241), (143, 42385), (149, 42445), (158, 42550), (164, 42637),

Gene: Phrann_26 Start: 23199, Stop: 24365, Start Num: 49

Candidate Starts for Phrann_26:

(Start: 49 @23199 has 50 MA's), (57, 23256), (69, 23343), (73, 23388), (79, 23463), (80, 23484), (88, 23568), (91, 23607), (96, 23673), (101, 23703), (103, 23724), (107, 23769), (114, 23865), (116, 23904), (117, 23919), (119, 23931), (121, 23958), (136, 24045), (138, 24063), (139, 24069), (147, 24129), (156, 24210), (160, 24285), (166, 24327), (167, 24348), (168, 24354),

Gene: Phreak_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Phreak_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: PhrodoBaggins_49 Start: 41833, Stop: 43188, Start Num: 45

Candidate Starts for PhrodoBaggins_49:

(Start: 45 @41833 has 332 MA's), (48, 41884), (Start: 49 @41917 has 50 MA's), (68, 42046), (69, 42049), (70, 42064), (79, 42160), (81, 42199), (85, 42229), (88, 42265), (96, 42376), (101, 42406), (102, 42409), (107, 42475), (117, 42634), (121, 42682), (123, 42700), (130, 42748), (143, 42892), (149, 42952), (158, 43057), (164, 43144),

Gene: Phunky_49 Start: 41702, Stop: 43057, Start Num: 45

Candidate Starts for Phunky_49:

(Start: 45 @41702 has 332 MA's), (48, 41753), (Start: 49 @41786 has 50 MA's), (68, 41915), (69, 41918), (70, 41933), (79, 42029), (81, 42068), (85, 42098), (88, 42134), (96, 42245), (101, 42275), (102, 42278), (107, 42344), (117, 42503), (121, 42551), (123, 42569), (130, 42617), (143, 42761), (149, 42821), (158, 42926), (164, 43013),

Gene: Piglet_0049 Start: 41827, Stop: 43182, Start Num: 45

Candidate Starts for Piglet_0049:

(Start: 45 @41827 has 332 MA's), (48, 41878), (Start: 49 @41911 has 50 MA's), (68, 42040), (69, 42043), (70, 42058), (79, 42154), (81, 42193), (85, 42223), (88, 42259), (96, 42370), (101, 42400), (102, 42403), (107, 42469), (117, 42628), (121, 42676), (123, 42694), (130, 42742), (143, 42886), (149, 42946), (158, 43051), (164, 43138),

Gene: PinheadLarry_49 Start: 41415, Stop: 42770, Start Num: 45

Candidate Starts for PinheadLarry_49:

(Start: 45 @41415 has 332 MA's), (48, 41466), (Start: 49 @41499 has 50 MA's), (68, 41628), (69, 41631), (70, 41646), (79, 41742), (81, 41781), (85, 41811), (88, 41847), (96, 41958), (101, 41988), (102, 41991), (107, 42057), (117, 42216), (121, 42264), (123, 42282), (130, 42330), (143, 42474), (149, 42534), (158, 42639), (164, 42726),

Gene: PinkYoshi_28 Start: 25192, Stop: 26400, Start Num: 45

Candidate Starts for PinkYoshi_28:

(40, 25099), (Start: 45 @25192 has 332 MA's), (67, 25366), (72, 25438), (81, 25537), (82, 25546), (86, 25570), (87, 25579), (88, 25603), (90, 25624), (92, 25651), (93, 25663), (99, 25735), (105, 25774), (117, 25963), (120, 25987), (121, 26002), (124, 26023), (130, 26068), (131, 26071), (141, 26122),

Gene: Pinkman_48 Start: 41264, Stop: 42619, Start Num: 45

Candidate Starts for Pinkman_48:

(Start: 45 @41264 has 332 MA's), (48, 41315), (Start: 49 @41348 has 50 MA's), (68, 41477), (69, 41480), (70, 41495), (79, 41591), (81, 41630), (85, 41660), (88, 41696), (96, 41807), (101, 41837), (102, 41840), (107, 41906), (117, 42065), (121, 42113), (123, 42131), (130, 42179), (143, 42323), (149, 42383), (158, 42488), (164, 42575),

Gene: Pipsqueak_49 Start: 41709, Stop: 43064, Start Num: 45

Candidate Starts for Pipsqueak_49:

(Start: 45 @41709 has 332 MA's), (48, 41760), (Start: 49 @41793 has 50 MA's), (68, 41922), (69, 41925), (70, 41940), (79, 42036), (81, 42075), (85, 42105), (88, 42141), (96, 42252), (101, 42282), (102, 42285), (107, 42351), (117, 42510), (121, 42558), (123, 42576), (130, 42624), (143, 42768), (149, 42828), (158, 42933), (164, 43020),

Gene: Placalicious_48 Start: 41402, Stop: 42757, Start Num: 45

Candidate Starts for Placalicious_48:

(Start: 45 @41402 has 332 MA's), (48, 41453), (Start: 49 @41486 has 50 MA's), (68, 41615), (69, 41618), (70, 41633), (79, 41729), (81, 41768), (85, 41798), (88, 41834), (96, 41945), (101, 41975), (102, 41978), (107, 42044), (117, 42203), (121, 42251), (123, 42269), (130, 42317), (143, 42461), (149, 42521), (158, 42626), (164, 42713),

Gene: Plagueis_28 Start: 25036, Stop: 26244, Start Num: 45

Candidate Starts for Plagueis_28:

(40, 24943), (Start: 45 @25036 has 332 MA's), (67, 25210), (72, 25282), (81, 25381), (82, 25390), (86, 25414), (87, 25423), (88, 25447), (90, 25468), (92, 25495), (93, 25507), (99, 25579), (105, 25618), (117, 25807), (120, 25831), (121, 25846), (124, 25867), (130, 25912), (131, 25915), (141, 25966),

Gene: Plmatters_49 Start: 41705, Stop: 43060, Start Num: 45

Candidate Starts for Plmatters_49:

(Start: 45 @41705 has 332 MA's), (48, 41756), (Start: 49 @41789 has 50 MA's), (68, 41918), (69, 41921), (70, 41936), (79, 42032), (81, 42071), (85, 42101), (88, 42137), (96, 42248), (101, 42278), (102, 42281), (107, 42347), (117, 42506), (121, 42554), (123, 42572), (130, 42620), (143, 42764), (149, 42824), (158, 42929), (164, 43016),

Gene: Podrick_49 Start: 41696, Stop: 43051, Start Num: 45

Candidate Starts for Podrick_49:

(Start: 45 @41696 has 332 MA's), (48, 41747), (Start: 49 @41780 has 50 MA's), (68, 41909), (69, 41912), (70, 41927), (79, 42023), (81, 42062), (85, 42092), (88, 42128), (96, 42239), (101, 42269), (102, 42272), (107, 42338), (117, 42497), (121, 42545), (123, 42563), (130, 42611), (143, 42755), (149, 42815), (158, 42920), (164, 43007),

Gene: Polkaroo_27 Start: 24068, Stop: 25234, Start Num: 49

Candidate Starts for Polkaroo_27:

(Start: 49 @24068 has 50 MA's), (57, 24125), (69, 24212), (73, 24257), (79, 24332), (80, 24353), (88, 24437), (91, 24476), (96, 24542), (101, 24572), (103, 24593), (107, 24638), (114, 24734), (116, 24773), (117, 24788), (119, 24800), (121, 24827), (136, 24914), (138, 24932), (139, 24938), (144, 24986), (156, 25079), (160, 25154),

Gene: Pops_49 Start: 41720, Stop: 43075, Start Num: 45

Candidate Starts for Pops_49:

(Start: 45 @41720 has 332 MA's), (48, 41771), (Start: 49 @41804 has 50 MA's), (68, 41933), (69, 41936), (70, 41951), (79, 42047), (81, 42086), (85, 42116), (88, 42152), (96, 42263), (101, 42293),

(102, 42296), (107, 42362), (117, 42521), (121, 42569), (123, 42587), (130, 42635), (143, 42779), (149, 42839), (158, 42944), (160, 42998), (164, 43031),

Gene: Potter_48 Start: 41432, Stop: 42787, Start Num: 45

Candidate Starts for Potter_48:

(Start: 45 @41432 has 332 MA's), (48, 41483), (Start: 49 @41516 has 50 MA's), (52, 41534), (68, 41645), (69, 41648), (70, 41663), (79, 41759), (81, 41798), (85, 41828), (88, 41864), (96, 41975), (101, 42005), (102, 42008), (107, 42074), (117, 42233), (121, 42281), (123, 42299), (130, 42347), (143, 42491), (149, 42551), (158, 42656), (164, 42743),

Gene: Prickles_49 Start: 41696, Stop: 43051, Start Num: 45

Candidate Starts for Prickles_49:

(Start: 45 @41696 has 332 MA's), (48, 41747), (Start: 49 @41780 has 50 MA's), (52, 41798), (68, 41909), (69, 41912), (70, 41927), (79, 42023), (81, 42062), (85, 42092), (88, 42128), (96, 42239), (101, 42269), (102, 42272), (107, 42338), (117, 42497), (121, 42545), (123, 42563), (130, 42611), (143, 42755), (149, 42815), (158, 42920), (160, 42974), (164, 43007),

Gene: ProfessorX_49 Start: 41697, Stop: 43052, Start Num: 45

Candidate Starts for ProfessorX_49:

(Start: 45 @41697 has 332 MA's), (48, 41748), (Start: 49 @41781 has 50 MA's), (68, 41910), (69, 41913), (70, 41928), (79, 42024), (81, 42063), (85, 42093), (88, 42129), (96, 42240), (101, 42270), (102, 42273), (107, 42339), (117, 42498), (121, 42546), (123, 42564), (130, 42612), (143, 42756), (149, 42816), (158, 42921), (164, 43008),

Gene: Puhltonio_49 Start: 41706, Stop: 43061, Start Num: 45

Candidate Starts for Puhltonio_49:

(Start: 45 @41706 has 332 MA's), (48, 41757), (Start: 49 @41790 has 50 MA's), (68, 41919), (69, 41922), (70, 41937), (79, 42033), (81, 42072), (85, 42102), (88, 42138), (96, 42249), (101, 42279), (102, 42282), (107, 42348), (117, 42507), (121, 42555), (123, 42573), (130, 42621), (143, 42765), (149, 42825), (158, 42930), (164, 43017),

Gene: Pygmy_29 Start: 25891, Stop: 27057, Start Num: 49

Candidate Starts for Pygmy_29:

(Start: 49 @25891 has 50 MA's), (57, 25948), (69, 26035), (73, 26080), (79, 26155), (80, 26176), (81, 26194), (88, 26260), (91, 26299), (96, 26365), (101, 26395), (103, 26416), (107, 26461), (114, 26557), (116, 26596), (117, 26611), (119, 26623), (121, 26650), (136, 26737), (138, 26755), (139, 26761), (144, 26809), (149, 26830), (156, 26902), (160, 26977),

Gene: QueenBeane_49 Start: 41696, Stop: 43051, Start Num: 45

Candidate Starts for QueenBeane_49:

(Start: 45 @41696 has 332 MA's), (48, 41747), (Start: 49 @41780 has 50 MA's), (68, 41909), (69, 41912), (70, 41927), (79, 42023), (81, 42062), (85, 42092), (88, 42128), (96, 42239), (101, 42269), (102, 42272), (107, 42338), (117, 42497), (121, 42545), (123, 42563), (130, 42611), (143, 42755), (149, 42815), (158, 42920), (164, 43007),

Gene: QueenHazel_26 Start: 24219, Stop: 25385, Start Num: 49

Candidate Starts for QueenHazel_26:

(3, 22992), (7, 23166), (24, 23667), (34, 23847), (Start: 49 @24219 has 50 MA's), (57, 24276), (69, 24363), (74, 24411), (79, 24483), (80, 24504), (88, 24588), (91, 24627), (96, 24693), (101, 24723), (103, 24744), (107, 24789), (114, 24885), (116, 24924), (117, 24939), (121, 24978), (136, 25065), (138, 25083), (139, 25089), (144, 25137), (149, 25158), (156, 25230), (160, 25305), (166, 25347), (167, 25368), (168, 25374),

Gene: Quisquilliae_49 Start: 41733, Stop: 43088, Start Num: 45

Candidate Starts for Quisquilliae_49:

(Start: 45 @41733 has 332 MA's), (48, 41784), (Start: 49 @41817 has 50 MA's), (68, 41946), (69, 41949), (70, 41964), (79, 42060), (81, 42099), (85, 42129), (88, 42165), (96, 42276), (101, 42306), (102, 42309), (107, 42375), (117, 42534), (121, 42582), (123, 42600), (130, 42648), (143, 42792), (149, 42852), (158, 42957), (164, 43044),

Gene: Rabbs_28 Start: 25284, Stop: 26492, Start Num: 45

Candidate Starts for Rabbs_28:

(40, 25191), (Start: 45 @25284 has 332 MA's), (67, 25458), (72, 25530), (81, 25629), (82, 25638), (86, 25662), (87, 25671), (88, 25695), (90, 25716), (92, 25743), (93, 25755), (99, 25827), (105, 25866), (117, 26055), (121, 26094), (124, 26115), (129, 26154), (130, 26160),

Gene: RedMaple_49 Start: 41847, Stop: 43202, Start Num: 45

Candidate Starts for RedMaple_49:

(Start: 45 @41847 has 332 MA's), (48, 41898), (Start: 49 @41931 has 50 MA's), (68, 42060), (69, 42063), (70, 42078), (79, 42174), (81, 42213), (85, 42243), (88, 42279), (96, 42390), (101, 42420), (102, 42423), (107, 42489), (117, 42648), (121, 42696), (123, 42714), (130, 42762), (143, 42906), (149, 42966), (158, 43071), (160, 43125), (164, 43158),

Gene: Remy19_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Remy19_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Renaissance_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Renaissance_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Ricotta_49 Start: 41419, Stop: 42774, Start Num: 45

Candidate Starts for Ricotta_49:

(Start: 45 @41419 has 332 MA's), (48, 41470), (Start: 49 @41503 has 50 MA's), (68, 41632), (69, 41635), (70, 41650), (79, 41746), (81, 41785), (85, 41815), (88, 41851), (96, 41962), (101, 41992), (102, 41995), (107, 42061), (117, 42220), (121, 42268), (123, 42286), (130, 42334), (143, 42478), (149, 42538), (158, 42643), (164, 42730),

Gene: Riggan_49 Start: 41692, Stop: 43047, Start Num: 45

Candidate Starts for Riggan_49:

(Start: 45 @41692 has 332 MA's), (48, 41743), (Start: 49 @41776 has 50 MA's), (68, 41905), (69, 41908), (70, 41923), (79, 42019), (81, 42058), (85, 42088), (88, 42124), (96, 42235), (101, 42265), (102, 42268), (107, 42334), (117, 42493), (121, 42541), (123, 42559), (130, 42607), (143, 42751), (149, 42811), (158, 42916), (164, 43003),

Gene: Rimu_51 Start: 41432, Stop: 42787, Start Num: 45

Candidate Starts for Rimu_51:

(Start: 45 @41432 has 332 MA's), (48, 41483), (Start: 49 @41516 has 50 MA's), (68, 41645), (69, 41648), (70, 41663), (79, 41759), (81, 41798), (85, 41828), (88, 41864), (96, 41975), (101, 42005), (102, 42008), (107, 42074), (117, 42233), (121, 42281), (123, 42299), (130, 42347), (143, 42491), (149, 42551), (158, 42656), (164, 42743),

Gene: Robyn_48 Start: 41288, Stop: 42643, Start Num: 45

Candidate Starts for Robyn_48:

(Start: 45 @41288 has 332 MA's), (48, 41339), (Start: 49 @41372 has 50 MA's), (68, 41501), (69, 41504), (70, 41519), (79, 41615), (81, 41654), (85, 41684), (88, 41720), (95, 41795), (96, 41831), (101, 41861), (102, 41864), (107, 41930), (117, 42089), (121, 42137), (123, 42155), (130, 42203), (143, 42347), (149, 42407), (158, 42512), (164, 42599),

Gene: Roliet_49 Start: 41705, Stop: 43060, Start Num: 45

Candidate Starts for Roliet_49:

(Start: 45 @41705 has 332 MA's), (48, 41756), (Start: 49 @41789 has 50 MA's), (52, 41807), (68, 41918), (69, 41921), (70, 41936), (79, 42032), (81, 42071), (85, 42101), (88, 42137), (96, 42248), (101, 42278), (102, 42281), (107, 42347), (117, 42506), (121, 42554), (123, 42572), (130, 42620), (143, 42764), (149, 42824), (158, 42929), (164, 43016),

Gene: Roscoe_50 Start: 41942, Stop: 43297, Start Num: 45

Candidate Starts for Roscoe_50:

(Start: 45 @41942 has 332 MA's), (48, 41993), (Start: 49 @42026 has 50 MA's), (68, 42155), (69, 42158), (70, 42173), (79, 42269), (81, 42308), (85, 42338), (88, 42374), (96, 42485), (101, 42515), (102, 42518), (107, 42584), (117, 42743), (121, 42791), (123, 42809), (130, 42857), (143, 43001), (149, 43061), (158, 43166), (164, 43253),

Gene: Roy17_49 Start: 41396, Stop: 42751, Start Num: 45

Candidate Starts for Roy17_49:

(Start: 45 @41396 has 332 MA's), (48, 41447), (Start: 49 @41480 has 50 MA's), (68, 41609), (69, 41612), (70, 41627), (79, 41723), (81, 41762), (85, 41792), (88, 41828), (96, 41939), (101, 41969), (102, 41972), (107, 42038), (117, 42197), (121, 42245), (123, 42263), (130, 42311), (143, 42455), (149, 42515), (158, 42620), (164, 42707),

Gene: Rubeelu_27 Start: 22757, Stop: 23917, Start Num: 49

Candidate Starts for Rubeelu_27:

(11, 21803), (15, 21998), (28, 22232), (34, 22385), (Start: 49 @22757 has 50 MA's), (57, 22814), (69, 22901), (79, 23021), (91, 23165), (92, 23177), (96, 23231), (101, 23261), (103, 23282), (107, 23327), (117, 23477), (119, 23489), (121, 23516), (124, 23537), (131, 23585), (136, 23603), (146, 23681), (150, 23696), (156, 23762), (166, 23879),

Gene: SDcharge11_49 Start: 41683, Stop: 43038, Start Num: 45

Candidate Starts for SDcharge11_49:

(Start: 45 @41683 has 332 MA's), (48, 41734), (Start: 49 @41767 has 50 MA's), (52, 41785), (68, 41896), (69, 41899), (70, 41914), (79, 42010), (81, 42049), (85, 42079), (88, 42115), (96, 42226), (101, 42256), (102, 42259), (107, 42325), (117, 42484), (121, 42532), (123, 42550), (130, 42598), (143, 42742), (149, 42802), (158, 42907), (164, 42994),

Gene: Samaymay_49 Start: 41696, Stop: 43051, Start Num: 45

Candidate Starts for Samaymay_49:

(Start: 45 @41696 has 332 MA's), (48, 41747), (Start: 49 @41780 has 50 MA's), (68, 41909), (69, 41912), (70, 41927), (79, 42023), (81, 42062), (85, 42092), (88, 42128), (96, 42239), (101, 42269), (102, 42272), (107, 42338), (117, 42497), (121, 42545), (123, 42563), (130, 42611), (143, 42755), (149, 42815), (158, 42920), (164, 43007),

Gene: SassyCat97_48 Start: 41423, Stop: 42778, Start Num: 45

Candidate Starts for SassyCat97_48:

(Start: 45 @41423 has 332 MA's), (48, 41474), (Start: 49 @41507 has 50 MA's), (52, 41525), (68, 41636), (69, 41639), (70, 41654), (79, 41750), (81, 41789), (85, 41819), (88, 41855), (96, 41966),

(101, 41996), (102, 41999), (107, 42065), (117, 42224), (121, 42272), (123, 42290), (130, 42338), (143, 42482), (149, 42542), (158, 42647), (164, 42734),

Gene: Sbash_26 Start: 24238, Stop: 25410, Start Num: 49

Candidate Starts for Sbash_26:

(46, 24169), (Start: 49 @24238 has 50 MA's), (57, 24292), (59, 24295), (66, 24337), (69, 24379), (79, 24502), (80, 24523), (88, 24607), (91, 24646), (103, 24763), (107, 24808), (108, 24823), (114, 24904), (117, 24958), (119, 24970), (121, 24997), (124, 25018), (132, 25069), (136, 25084), (138, 25102), (144, 25162), (156, 25255), (160, 25330),

Gene: Schadenfreude_48 Start: 41262, Stop: 42617, Start Num: 45

Candidate Starts for Schadenfreude_48:

(Start: 45 @41262 has 332 MA's), (48, 41313), (Start: 49 @41346 has 50 MA's), (68, 41475), (69, 41478), (70, 41493), (79, 41589), (81, 41628), (85, 41658), (88, 41694), (96, 41805), (101, 41835), (102, 41838), (107, 41904), (117, 42063), (121, 42111), (123, 42129), (130, 42177), (143, 42321), (149, 42381), (158, 42486), (164, 42573),

Gene: Schiebel_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Schiebel_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (84, 25567), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Schueller_49 Start: 41421, Stop: 42776, Start Num: 45

Candidate Starts for Schueller_49:

(Start: 45 @41421 has 332 MA's), (48, 41472), (Start: 49 @41505 has 50 MA's), (52, 41523), (68, 41634), (69, 41637), (70, 41652), (79, 41748), (81, 41787), (85, 41817), (88, 41853), (96, 41964), (101, 41994), (102, 41997), (107, 42063), (117, 42222), (121, 42270), (123, 42288), (130, 42336), (143, 42480), (149, 42540), (158, 42645), (164, 42732),

Gene: Scoot17C_50 Start: 41839, Stop: 43194, Start Num: 45

Candidate Starts for Scoot17C_50:

(Start: 45 @41839 has 332 MA's), (48, 41890), (Start: 49 @41923 has 50 MA's), (68, 42052), (69, 42055), (70, 42070), (79, 42166), (81, 42205), (85, 42235), (88, 42271), (96, 42382), (101, 42412), (102, 42415), (107, 42481), (117, 42640), (121, 42688), (123, 42706), (130, 42754), (143, 42898), (149, 42958), (158, 43063), (164, 43150),

Gene: Scrick_49 Start: 41432, Stop: 42787, Start Num: 45

Candidate Starts for Scrick_49:

(Start: 45 @41432 has 332 MA's), (48, 41483), (Start: 49 @41516 has 50 MA's), (68, 41645), (69, 41648), (70, 41663), (79, 41759), (81, 41798), (85, 41828), (88, 41864), (96, 41975), (101, 42005), (102, 42008), (107, 42074), (117, 42233), (121, 42281), (123, 42299), (130, 42347), (143, 42491), (149, 42551), (158, 42656), (164, 42743),

Gene: Selr12_51 Start: 41435, Stop: 42790, Start Num: 45

Candidate Starts for Selr12_51:

(Start: 45 @41435 has 332 MA's), (48, 41486), (Start: 49 @41519 has 50 MA's), (68, 41648), (69, 41651), (70, 41666), (79, 41762), (81, 41801), (85, 41831), (88, 41867), (96, 41978), (101, 42008), (102, 42011), (107, 42077), (117, 42236), (121, 42284), (123, 42302), (130, 42350), (143, 42494), (149, 42554), (158, 42659), (164, 42746),

Gene: Serendipity_49 Start: 41720, Stop: 43075, Start Num: 45

Candidate Starts for Serendipity_49:

(Start: 45 @41720 has 332 MA's), (48, 41771), (Start: 49 @41804 has 50 MA's), (68, 41933), (69, 41936), (70, 41951), (79, 42047), (81, 42086), (85, 42116), (88, 42152), (96, 42263), (101, 42293), (102, 42296), (107, 42362), (117, 42521), (121, 42569), (123, 42587), (130, 42635), (143, 42779), (149, 42839), (158, 42944), (164, 43031),

Gene: Serpentine_0049 Start: 41719, Stop: 43074, Start Num: 45

Candidate Starts for Serpentine_0049:

(Start: 45 @41719 has 332 MA's), (48, 41770), (Start: 49 @41803 has 50 MA's), (68, 41932), (69, 41935), (70, 41950), (79, 42046), (81, 42085), (85, 42115), (88, 42151), (96, 42262), (101, 42292), (102, 42295), (107, 42361), (117, 42520), (121, 42568), (123, 42586), (130, 42634), (143, 42778), (149, 42838), (158, 42943), (164, 43030),

Gene: ShaboiShabazz_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for ShaboiShabazz_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Sheila_49 Start: 41745, Stop: 43100, Start Num: 45

Candidate Starts for Sheila_49:

(Start: 45 @41745 has 332 MA's), (48, 41796), (Start: 49 @41829 has 50 MA's), (68, 41958), (69, 41961), (70, 41976), (79, 42072), (81, 42111), (85, 42141), (88, 42177), (96, 42288), (101, 42318), (102, 42321), (107, 42387), (117, 42546), (121, 42594), (123, 42612), (130, 42660), (143, 42804), (149, 42864), (158, 42969), (164, 43056),

Gene: ShiVal_49 Start: 41706, Stop: 43058, Start Num: 45

Candidate Starts for ShiVal_49:

(Start: 45 @41706 has 332 MA's), (48, 41757), (Start: 49 @41790 has 50 MA's), (68, 41919), (69, 41922), (70, 41937), (79, 42033), (81, 42072), (85, 42102), (88, 42138), (96, 42249), (101, 42279), (102, 42282), (107, 42348), (117, 42507), (121, 42555), (123, 42573), (130, 42621), (143, 42762), (149, 42822), (158, 42927), (164, 43014),

Gene: Shipwreck_29 Start: 25866, Stop: 27032, Start Num: 49

Candidate Starts for Shipwreck_29:

(28, 25332), (31, 25380), (34, 25485), (Start: 49 @25866 has 50 MA's), (50, 25875), (56, 25920), (57, 25923), (69, 26010), (73, 26055), (79, 26130), (80, 26151), (81, 26169), (88, 26235), (91, 26274), (92, 26286), (96, 26340), (101, 26370), (103, 26391), (107, 26436), (114, 26532), (116, 26571), (117, 26586), (119, 26598), (121, 26625), (136, 26712), (138, 26730), (139, 26736), (144, 26784), (149, 26805), (156, 26877), (160, 26952),

Gene: Sigman_50 Start: 41830, Stop: 43185, Start Num: 45

Candidate Starts for Sigman_50:

(Start: 45 @41830 has 332 MA's), (48, 41881), (Start: 49 @41914 has 50 MA's), (68, 42043), (69, 42046), (70, 42061), (79, 42157), (81, 42196), (85, 42226), (88, 42262), (96, 42373), (101, 42403), (102, 42406), (107, 42472), (117, 42631), (121, 42679), (123, 42697), (130, 42745), (143, 42889), (149, 42949), (158, 43054), (164, 43141),

Gene: Simielle_48 Start: 41389, Stop: 42744, Start Num: 45

Candidate Starts for Simielle_48:

(Start: 45 @41389 has 332 MA's), (48, 41440), (Start: 49 @41473 has 50 MA's), (68, 41602), (69, 41605), (70, 41620), (79, 41716), (81, 41755), (85, 41785), (88, 41821), (96, 41932), (101, 41962), (102, 41965), (107, 42031), (117, 42190), (121, 42238), (123, 42256), (130, 42304), (143, 42448),

(149, 42508), (158, 42613), (164, 42700),

Gene: Sizemore_28 Start: 25202, Stop: 26410, Start Num: 45

Candidate Starts for Sizemore_28:

(40, 25109), (Start: 45 @25202 has 332 MA's), (67, 25376), (72, 25448), (81, 25547), (82, 25556), (84, 25568), (86, 25580), (87, 25589), (88, 25613), (90, 25634), (92, 25661), (93, 25673), (99, 25745), (105, 25784), (117, 25973), (120, 25997), (121, 26012), (124, 26033), (130, 26078), (131, 26081), (141, 26132),

Gene: Skippy_49 Start: 41690, Stop: 43045, Start Num: 45

Candidate Starts for Skippy_49:

(Start: 45 @41690 has 332 MA's), (48, 41741), (Start: 49 @41774 has 50 MA's), (68, 41903), (69, 41906), (70, 41921), (79, 42017), (81, 42056), (85, 42086), (88, 42122), (96, 42233), (101, 42263), (102, 42266), (107, 42332), (117, 42491), (121, 42539), (123, 42557), (130, 42605), (143, 42749), (149, 42809), (158, 42914), (164, 43001),

Gene: Slatt_49 Start: 41716, Stop: 43071, Start Num: 45

Candidate Starts for Slatt_49:

(Start: 45 @41716 has 332 MA's), (48, 41767), (Start: 49 @41800 has 50 MA's), (68, 41929), (69, 41932), (70, 41947), (79, 42043), (81, 42082), (85, 42112), (88, 42148), (96, 42259), (101, 42289), (102, 42292), (107, 42358), (117, 42517), (121, 42565), (123, 42583), (130, 42631), (143, 42775), (149, 42835), (158, 42940), (164, 43027),

Gene: Sneeze_28 Start: 25283, Stop: 26491, Start Num: 45

Candidate Starts for Sneeze_28:

(40, 25190), (Start: 45 @25283 has 332 MA's), (67, 25457), (72, 25529), (81, 25628), (82, 25637), (86, 25661), (87, 25670), (88, 25694), (90, 25715), (92, 25742), (93, 25754), (99, 25826), (105, 25865), (117, 26054), (121, 26093), (124, 26114), (129, 26153), (130, 26159),

Gene: Soile_49 Start: 41419, Stop: 42774, Start Num: 45

Candidate Starts for Soile_49:

(Start: 45 @41419 has 332 MA's), (48, 41470), (Start: 49 @41503 has 50 MA's), (52, 41521), (68, 41632), (69, 41635), (70, 41650), (79, 41746), (81, 41785), (85, 41815), (88, 41851), (96, 41962), (101, 41992), (102, 41995), (107, 42061), (117, 42220), (121, 42268), (123, 42286), (130, 42334), (143, 42478), (149, 42538), (158, 42643), (164, 42730),

Gene: Solosis_48 Start: 41417, Stop: 42772, Start Num: 45

Candidate Starts for Solosis_48:

(Start: 45 @41417 has 332 MA's), (48, 41468), (Start: 49 @41501 has 50 MA's), (68, 41630), (69, 41633), (70, 41648), (79, 41744), (81, 41783), (85, 41813), (88, 41849), (96, 41960), (101, 41990), (102, 41993), (107, 42059), (117, 42218), (121, 42266), (123, 42284), (130, 42332), (143, 42476), (149, 42536), (158, 42641), (164, 42728),

Gene: Sonah_27 Start: 24039, Stop: 25205, Start Num: 49

Candidate Starts for Sonah_27:

(Start: 49 @24039 has 50 MA's), (56, 24093), (57, 24096), (69, 24183), (73, 24228), (79, 24303), (80, 24324), (81, 24342), (88, 24408), (91, 24447), (96, 24513), (101, 24543), (103, 24564), (107, 24609), (114, 24705), (116, 24744), (117, 24759), (121, 24798), (136, 24885), (138, 24903), (139, 24909), (144, 24957), (149, 24978), (156, 25050), (160, 25125),

Gene: Sophia_48 Start: 41411, Stop: 42766, Start Num: 45

Candidate Starts for Sophia_48:

(Start: 45 @41411 has 332 MA's), (48, 41462), (Start: 49 @41495 has 50 MA's), (52, 41513), (68, 41624), (69, 41627), (70, 41642), (79, 41738), (81, 41777), (85, 41807), (88, 41843), (96, 41954), (101, 41984), (102, 41987), (107, 42053), (117, 42212), (121, 42260), (123, 42278), (130, 42326), (143, 42470), (149, 42530), (158, 42635), (164, 42722),

Gene: Soto_49 Start: 41717, Stop: 43072, Start Num: 45

Candidate Starts for Soto_49:

(Start: 45 @41717 has 332 MA's), (48, 41768), (Start: 49 @41801 has 50 MA's), (52, 41819), (68, 41930), (69, 41933), (70, 41948), (79, 42044), (81, 42083), (85, 42113), (88, 42149), (96, 42260), (101, 42290), (102, 42293), (107, 42359), (117, 42518), (121, 42566), (123, 42584), (130, 42632), (143, 42776), (149, 42836), (158, 42941), (164, 43028),

Gene: Spartan300_49 Start: 41702, Stop: 43057, Start Num: 45

Candidate Starts for Spartan300_49:

(Start: 45 @41702 has 332 MA's), (48, 41753), (Start: 49 @41786 has 50 MA's), (68, 41915), (69, 41918), (70, 41933), (79, 42029), (81, 42068), (85, 42098), (88, 42134), (96, 42245), (101, 42275), (102, 42278), (107, 42344), (117, 42503), (121, 42551), (123, 42569), (130, 42617), (143, 42761), (149, 42821), (158, 42926), (164, 43013),

Gene: Squid_49 Start: 41423, Stop: 42778, Start Num: 45

Candidate Starts for Squid_49:

(Start: 45 @41423 has 332 MA's), (48, 41474), (Start: 49 @41507 has 50 MA's), (52, 41525), (68, 41636), (69, 41639), (70, 41654), (79, 41750), (81, 41789), (85, 41819), (88, 41855), (96, 41966), (101, 41996), (102, 41999), (107, 42065), (117, 42224), (121, 42272), (123, 42290), (130, 42338), (143, 42482), (149, 42542), (158, 42647), (164, 42734),

Gene: Squiggle_49 Start: 41426, Stop: 42781, Start Num: 45

Candidate Starts for Squiggle_49:

(Start: 45 @41426 has 332 MA's), (48, 41477), (Start: 49 @41510 has 50 MA's), (68, 41639), (69, 41642), (70, 41657), (79, 41753), (81, 41792), (85, 41822), (88, 41858), (96, 41969), (101, 41999), (102, 42002), (107, 42068), (117, 42227), (121, 42275), (123, 42293), (130, 42341), (143, 42485), (149, 42545), (158, 42650), (164, 42737),

Gene: Stargaze_28 Start: 26950, Stop: 28173, Start Num: 45

Candidate Starts for Stargaze_28:

(1, 25669), (12, 26116), (13, 26167), (21, 26383), (27, 26503), (29, 26530), (32, 26572), (Start: 45 @26950 has 332 MA's), (65, 27112), (69, 27154), (72, 27196), (77, 27232), (79, 27268), (87, 27349), (88, 27373), (92, 27421), (95, 27445), (99, 27505), (103, 27532), (105, 27544), (109, 27622), (117, 27733), (121, 27772), (128, 27826), (165, 28135),

Gene: StevieRay_27 Start: 24031, Stop: 25197, Start Num: 49

Candidate Starts for StevieRay_27:

(Start: 49 @24031 has 50 MA's), (57, 24088), (69, 24175), (73, 24220), (79, 24295), (80, 24316), (88, 24400), (91, 24439), (92, 24451), (96, 24505), (101, 24535), (103, 24556), (107, 24601), (114, 24697), (116, 24736), (117, 24751), (121, 24790), (136, 24877), (138, 24895), (139, 24901), (144, 24949), (149, 24970), (156, 25042), (160, 25117),

Gene: StressBall_27 Start: 24311, Stop: 25477, Start Num: 49

Candidate Starts for StressBall_27:

(15, 23558), (23, 23729), (31, 23825), (34, 23930), (Start: 49 @24311 has 50 MA's), (50, 24320), (56, 24365), (57, 24368), (69, 24455), (73, 24500), (79, 24575), (80, 24596), (81, 24614), (88, 24680), (91, 24719), (96, 24785), (101, 24815), (103, 24836), (107, 24881), (114, 24977), (116, 25016), (117, 25031), (121, 25070), (136, 25157), (138, 25175), (139, 25181), (144, 25229), (156, 25322), (160,

25397),

Gene: Struggle_48 Start: 41258, Stop: 42613, Start Num: 45

Candidate Starts for Struggle_48:

(Start: 45 @41258 has 332 MA's), (48, 41309), (Start: 49 @41342 has 50 MA's), (68, 41471), (69, 41474), (70, 41489), (79, 41585), (81, 41624), (85, 41654), (88, 41690), (96, 41801), (101, 41831), (102, 41834), (107, 41900), (117, 42059), (121, 42107), (123, 42125), (130, 42173), (143, 42317), (149, 42377), (158, 42482), (164, 42569),

Gene: Suffolk_49 Start: 41707, Stop: 43062, Start Num: 45

Candidate Starts for Suffolk_49:

(Start: 45 @41707 has 332 MA's), (48, 41758), (Start: 49 @41791 has 50 MA's), (68, 41920), (69, 41923), (70, 41938), (79, 42034), (81, 42073), (85, 42103), (88, 42139), (96, 42250), (101, 42280), (102, 42283), (107, 42349), (117, 42508), (121, 42556), (123, 42574), (130, 42622), (143, 42766), (149, 42826), (158, 42931), (164, 43018),

Gene: Surely_49 Start: 41713, Stop: 43068, Start Num: 45

Candidate Starts for Surely_49:

(Start: 45 @41713 has 332 MA's), (48, 41764), (Start: 49 @41797 has 50 MA's), (68, 41926), (69, 41929), (70, 41944), (79, 42040), (81, 42079), (85, 42109), (88, 42145), (96, 42256), (101, 42286), (102, 42289), (107, 42355), (117, 42514), (121, 42562), (123, 42580), (130, 42628), (143, 42772), (149, 42832), (158, 42937), (160, 42991), (164, 43024),

Gene: Sweets_28 Start: 25196, Stop: 26404, Start Num: 45

Candidate Starts for Sweets_28:

(40, 25103), (Start: 45 @25196 has 332 MA's), (67, 25370), (72, 25442), (81, 25541), (82, 25550), (86, 25574), (87, 25583), (88, 25607), (90, 25628), (92, 25655), (93, 25667), (99, 25739), (105, 25778), (117, 25967), (120, 25991), (121, 26006), (124, 26027), (130, 26072), (131, 26075), (141, 26126),

Gene: Swiphy_51 Start: 41708, Stop: 43063, Start Num: 45

Candidate Starts for Swiphy_51:

(Start: 45 @41708 has 332 MA's), (48, 41759), (Start: 49 @41792 has 50 MA's), (68, 41921), (69, 41924), (70, 41939), (79, 42035), (81, 42074), (85, 42104), (88, 42140), (96, 42251), (101, 42281), (102, 42284), (107, 42350), (117, 42509), (121, 42557), (123, 42575), (130, 42623), (143, 42767), (149, 42827), (158, 42932), (164, 43019),

Gene: Swish_50 Start: 41831, Stop: 43207, Start Num: 45

Candidate Starts for Swish_50:

(Start: 45 @41831 has 332 MA's), (48, 41882), (Start: 49 @41915 has 50 MA's), (68, 42044), (69, 42047), (70, 42062), (79, 42158), (81, 42197), (85, 42227), (88, 42263), (96, 42374), (101, 42404), (102, 42407), (107, 42473), (117, 42632), (121, 42680), (123, 42698), (130, 42746), (143, 42911), (149, 42971), (158, 43076), (164, 43163),

Gene: Taheera_28 Start: 25310, Stop: 26527, Start Num: 45

Candidate Starts for Taheera_28:

(2, 24155), (4, 24215), (6, 24341), (8, 24374), (10, 24458), (19, 24761), (20, 24767), (22, 24818), (25, 24854), (26, 24872), (30, 24938), (38, 25166), (40, 25217), (Start: 45 @25310 has 332 MA's), (67, 25484), (72, 25556), (79, 25625), (81, 25664), (86, 25697), (87, 25706), (88, 25730), (92, 25778), (95, 25802), (105, 25901), (107, 25943), (117, 26090), (121, 26129), (124, 26150), (129, 26189), (130, 26195),

Gene: TallGrassMM_49 Start: 41326, Stop: 42681, Start Num: 45

Candidate Starts for TallGrassMM_49:

(Start: 45 @41326 has 332 MA's), (48, 41377), (Start: 49 @41410 has 50 MA's), (68, 41539), (69, 41542), (70, 41557), (79, 41653), (81, 41692), (85, 41722), (88, 41758), (96, 41869), (101, 41899), (102, 41902), (107, 41968), (117, 42127), (121, 42175), (123, 42193), (130, 42241), (143, 42385), (149, 42445), (158, 42550), (164, 42637),

Gene: Techage_27 Start: 24043, Stop: 25209, Start Num: 49

Candidate Starts for Techage_27:

(Start: 49 @24043 has 50 MA's), (57, 24100), (69, 24187), (73, 24232), (74, 24235), (79, 24307), (80, 24328), (88, 24412), (91, 24451), (96, 24517), (101, 24547), (103, 24568), (107, 24613), (114, 24709), (116, 24748), (117, 24763), (121, 24802), (136, 24889), (138, 24907), (139, 24913), (144, 24961), (149, 24982), (156, 25054), (160, 25129),

Gene: Telesworld_48 Start: 41405, Stop: 42760, Start Num: 45

Candidate Starts for Telesworld_48:

(Start: 45 @41405 has 332 MA's), (48, 41456), (Start: 49 @41489 has 50 MA's), (68, 41618), (69, 41621), (70, 41636), (79, 41732), (81, 41771), (85, 41801), (88, 41837), (96, 41948), (101, 41978), (102, 41981), (107, 42047), (117, 42206), (121, 42254), (123, 42272), (130, 42320), (143, 42464), (149, 42524), (158, 42629), (164, 42716),

Gene: Terror_28 Start: 25310, Stop: 26527, Start Num: 45

Candidate Starts for Terror_28:

(2, 24155), (4, 24215), (6, 24341), (8, 24374), (10, 24458), (19, 24761), (20, 24767), (22, 24818), (25, 24854), (26, 24872), (30, 24938), (38, 25166), (40, 25217), (Start: 45 @25310 has 332 MA's), (67, 25484), (72, 25556), (79, 25625), (81, 25664), (86, 25697), (87, 25706), (88, 25730), (92, 25778), (95, 25802), (105, 25901), (107, 25943), (117, 26090), (121, 26129), (124, 26150), (129, 26189), (130, 26195),

Gene: Thespis_27 Start: 24047, Stop: 25213, Start Num: 49

Candidate Starts for Thespis_27:

(5, 22928), (9, 23081), (15, 23294), (31, 23561), (34, 23666), (Start: 49 @24047 has 50 MA's), (50, 24056), (56, 24101), (57, 24104), (69, 24191), (73, 24236), (79, 24311), (80, 24332), (88, 24416), (91, 24455), (96, 24521), (101, 24551), (103, 24572), (107, 24617), (114, 24713), (116, 24752), (117, 24767), (119, 24779), (121, 24806), (135, 24890), (136, 24893), (138, 24911), (139, 24917), (144, 24965), (153, 25010), (156, 25058), (160, 25133),

Gene: Thora_49 Start: 41712, Stop: 43067, Start Num: 45

Candidate Starts for Thora_49:

(Start: 45 @41712 has 332 MA's), (48, 41763), (Start: 49 @41796 has 50 MA's), (68, 41925), (69, 41928), (70, 41943), (79, 42039), (81, 42078), (85, 42108), (88, 42144), (96, 42255), (101, 42285), (102, 42288), (107, 42354), (117, 42513), (121, 42561), (123, 42579), (130, 42627), (143, 42771), (149, 42831), (158, 42936), (160, 42990), (164, 43023),

Gene: ThreeOh3D2_50 Start: 41845, Stop: 43200, Start Num: 45

Candidate Starts for ThreeOh3D2_50:

(Start: 45 @41845 has 332 MA's), (48, 41896), (Start: 49 @41929 has 50 MA's), (68, 42058), (69, 42061), (70, 42076), (79, 42172), (81, 42211), (85, 42241), (88, 42277), (96, 42388), (101, 42418), (102, 42421), (107, 42487), (117, 42646), (121, 42694), (123, 42712), (130, 42760), (143, 42904), (149, 42964), (158, 43069), (160, 43123), (164, 43156),

Gene: Thunderbird_49 Start: 41413, Stop: 42768, Start Num: 45

Candidate Starts for Thunderbird_49:

(Start: 45 @41413 has 332 MA's), (48, 41464), (Start: 49 @41497 has 50 MA's), (68, 41626), (69, 41629), (70, 41644), (79, 41740), (81, 41779), (85, 41809), (88, 41845), (96, 41956), (101, 41986),

(102, 41989), (107, 42055), (117, 42214), (121, 42262), (123, 42280), (130, 42328), (143, 42472), (149, 42532), (158, 42637), (164, 42724),

Gene: Timmi_48 Start: 41412, Stop: 42767, Start Num: 45

Candidate Starts for Timmi_48:

(Start: 45 @41412 has 332 MA's), (48, 41463), (Start: 49 @41496 has 50 MA's), (68, 41625), (69, 41628), (70, 41643), (79, 41739), (81, 41778), (85, 41808), (88, 41844), (96, 41955), (101, 41985), (102, 41988), (107, 42054), (117, 42213), (121, 42261), (123, 42279), (130, 42327), (143, 42471), (149, 42531), (158, 42636), (164, 42723),

Gene: TomBombadil_49 Start: 41697, Stop: 43052, Start Num: 45

Candidate Starts for TomBombadil_49:

(Start: 45 @41697 has 332 MA's), (48, 41748), (Start: 49 @41781 has 50 MA's), (68, 41910), (69, 41913), (70, 41928), (79, 42024), (81, 42063), (85, 42093), (88, 42129), (96, 42240), (101, 42270), (102, 42273), (107, 42339), (117, 42498), (121, 42546), (123, 42564), (130, 42612), (143, 42756), (149, 42816), (158, 42921), (164, 43008),

Gene: TomBrady_28 Start: 25202, Stop: 26410, Start Num: 45

Candidate Starts for TomBrady_28:

(40, 25109), (Start: 45 @25202 has 332 MA's), (67, 25376), (72, 25448), (81, 25547), (82, 25556), (86, 25580), (87, 25589), (88, 25613), (90, 25634), (92, 25661), (93, 25673), (99, 25745), (105, 25784), (117, 25973), (120, 25997), (121, 26012), (124, 26033), (130, 26078), (131, 26081), (141, 26132),

Gene: Tomlarah_49 Start: 41700, Stop: 43055, Start Num: 45

Candidate Starts for Tomlarah_49:

(Start: 45 @41700 has 332 MA's), (48, 41751), (Start: 49 @41784 has 50 MA's), (68, 41913), (69, 41916), (70, 41931), (79, 42027), (81, 42066), (85, 42096), (88, 42132), (96, 42243), (101, 42273), (102, 42276), (107, 42342), (117, 42501), (121, 42549), (123, 42567), (130, 42615), (143, 42759), (149, 42819), (158, 42924), (164, 43011),

Gene: Toni_48 Start: 41404, Stop: 42759, Start Num: 45

Candidate Starts for Toni_48:

(Start: 45 @41404 has 332 MA's), (48, 41455), (Start: 49 @41488 has 50 MA's), (68, 41617), (69, 41620), (70, 41635), (79, 41731), (81, 41770), (85, 41800), (88, 41836), (96, 41947), (101, 41977), (102, 41980), (107, 42046), (117, 42205), (121, 42253), (123, 42271), (130, 42319), (143, 42463), (149, 42523), (158, 42628), (164, 42715),

Gene: Tooj_49 Start: 41779, Stop: 43134, Start Num: 45

Candidate Starts for Tooj_49:

(Start: 45 @41779 has 332 MA's), (48, 41830), (Start: 49 @41863 has 50 MA's), (68, 41992), (69, 41995), (70, 42010), (79, 42106), (81, 42145), (85, 42175), (88, 42211), (96, 42322), (101, 42352), (102, 42355), (107, 42421), (117, 42580), (121, 42628), (123, 42646), (130, 42694), (143, 42838), (149, 42898), (158, 43003), (160, 43057), (164, 43090),

Gene: True_48 Start: 41410, Stop: 42765, Start Num: 45

Candidate Starts for True_48:

(Start: 45 @41410 has 332 MA's), (48, 41461), (Start: 49 @41494 has 50 MA's), (68, 41623), (69, 41626), (70, 41641), (79, 41737), (81, 41776), (85, 41806), (88, 41842), (96, 41953), (101, 41983), (102, 41986), (107, 42052), (117, 42211), (121, 42259), (123, 42277), (130, 42325), (143, 42469), (149, 42529), (158, 42634), (164, 42721),

Gene: Trypo_50 Start: 41841, Stop: 43196, Start Num: 45

Candidate Starts for Trypo_50:

(Start: 45 @41841 has 332 MA's), (48, 41892), (Start: 49 @41925 has 50 MA's), (68, 42054), (69, 42057), (70, 42072), (79, 42168), (81, 42207), (85, 42237), (88, 42273), (96, 42384), (101, 42414), (102, 42417), (107, 42483), (117, 42642), (121, 42690), (123, 42708), (130, 42756), (143, 42900), (149, 42960), (158, 43065), (164, 43152),

Gene: Typha_32 Start: 29089, Stop: 30312, Start Num: 45

Candidate Starts for Typha_32:

(Start: 45 @29089 has 332 MA's), (52, 29185), (55, 29209), (63, 29236), (67, 29269), (69, 29299), (79, 29404), (81, 29443), (82, 29452), (86, 29476), (88, 29509), (92, 29557), (93, 29569), (99, 29641), (106, 29698), (112, 29785), (117, 29872), (118, 29884), (121, 29911), (123, 29929), (124, 29932), (125, 29941), (141, 30031), (155, 30136), (159, 30223), (160, 30232),

Gene: TyrionL_48 Start: 41266, Stop: 42621, Start Num: 45

Candidate Starts for TyrionL_48:

(Start: 45 @41266 has 332 MA's), (48, 41317), (Start: 49 @41350 has 50 MA's), (68, 41479), (69, 41482), (70, 41497), (79, 41593), (81, 41632), (85, 41662), (88, 41698), (96, 41809), (101, 41839), (102, 41842), (107, 41908), (117, 42067), (121, 42115), (123, 42133), (130, 42181), (143, 42325), (149, 42385), (158, 42490), (164, 42577),

Gene: UAch1_49 Start: 41734, Stop: 43089, Start Num: 45

Candidate Starts for UAch1_49:

(Start: 45 @41734 has 332 MA's), (48, 41785), (Start: 49 @41818 has 50 MA's), (68, 41947), (69, 41950), (70, 41965), (79, 42061), (81, 42100), (85, 42130), (88, 42166), (96, 42277), (101, 42307), (102, 42310), (107, 42376), (117, 42535), (121, 42583), (123, 42601), (130, 42649), (143, 42793), (149, 42853), (158, 42958), (164, 43045),

Gene: Ubuntu_33 Start: 28339, Stop: 29574, Start Num: 45

Candidate Starts for Ubuntu_33:

(Start: 45 @28339 has 332 MA's), (51, 28432), (55, 28465), (58, 28477), (62, 28489), (63, 28492), (69, 28555), (70, 28573), (75, 28606), (79, 28666), (81, 28705), (82, 28714), (83, 28717), (85, 28735), (88, 28771), (92, 28819), (93, 28831), (94, 28837), (98, 28900), (99, 28903), (103, 28930), (105, 28942), (111, 29044), (117, 29131), (121, 29170), (124, 29191), (137, 29260), (141, 29290), (144, 29323), (146, 29332), (148, 29338), (151, 29350), (152, 29359), (157, 29422), (160, 29491),

Gene: UncleHowie_49 Start: 41409, Stop: 42764, Start Num: 45

Candidate Starts for UncleHowie_49:

(Start: 45 @41409 has 332 MA's), (48, 41460), (Start: 49 @41493 has 50 MA's), (68, 41622), (69, 41625), (70, 41640), (79, 41736), (81, 41775), (85, 41805), (88, 41841), (96, 41952), (101, 41982), (102, 41985), (107, 42051), (117, 42210), (121, 42258), (123, 42276), (130, 42324), (143, 42468), (149, 42528), (158, 42633), (164, 42720),

Gene: Usavi_49 Start: 41708, Stop: 43063, Start Num: 45

Candidate Starts for Usavi_49:

(Start: 45 @41708 has 332 MA's), (48, 41759), (Start: 49 @41792 has 50 MA's), (68, 41921), (69, 41924), (70, 41939), (79, 42035), (81, 42074), (85, 42104), (88, 42140), (96, 42251), (101, 42281), (102, 42284), (107, 42350), (117, 42509), (121, 42557), (123, 42575), (130, 42623), (143, 42767), (149, 42827), (158, 42932), (164, 43019),

Gene: Vaishali24_48 Start: 41380, Stop: 42735, Start Num: 45

Candidate Starts for Vaishali24_48:

(Start: 45 @41380 has 332 MA's), (48, 41431), (Start: 49 @41464 has 50 MA's), (68, 41593), (69, 41596), (70, 41611), (79, 41707), (81, 41746), (85, 41776), (88, 41812), (96, 41923), (101, 41953), (102, 41956), (107, 42022), (117, 42181), (121, 42229), (123, 42247), (130, 42295), (143, 42439),

(149, 42499), (158, 42604), (164, 42691),

Gene: Valjean_49 Start: 41705, Stop: 43060, Start Num: 45

Candidate Starts for Valjean_49:

(Start: 45 @41705 has 332 MA's), (48, 41756), (Start: 49 @41789 has 50 MA's), (68, 41918), (69, 41921), (70, 41936), (79, 42032), (81, 42071), (85, 42101), (88, 42137), (96, 42248), (101, 42278), (102, 42281), (107, 42347), (117, 42506), (121, 42554), (123, 42572), (130, 42620), (143, 42764), (149, 42824), (158, 42929), (164, 43016),

Gene: Vaticameos_45 Start: 39391, Stop: 40746, Start Num: 45

Candidate Starts for Vaticameos_45:

(Start: 45 @39391 has 332 MA's), (48, 39442), (Start: 49 @39475 has 50 MA's), (68, 39604), (69, 39607), (70, 39622), (79, 39718), (81, 39757), (85, 39787), (88, 39823), (96, 39934), (101, 39964), (102, 39967), (107, 40033), (117, 40192), (121, 40240), (123, 40258), (130, 40306), (143, 40450), (149, 40510), (158, 40615), (164, 40702),

Gene: Venti_27 Start: 24052, Stop: 25218, Start Num: 49

Candidate Starts for Venti_27:

(Start: 49 @24052 has 50 MA's), (57, 24109), (69, 24196), (73, 24241), (79, 24316), (80, 24337), (88, 24421), (91, 24460), (96, 24526), (101, 24556), (103, 24577), (107, 24622), (114, 24718), (116, 24757), (117, 24772), (119, 24784), (121, 24811), (136, 24898), (138, 24916), (139, 24922), (144, 24970), (149, 24991), (156, 25063), (160, 25138),

Gene: Veritas_48 Start: 41287, Stop: 42642, Start Num: 45

Candidate Starts for Veritas_48:

(Start: 45 @41287 has 332 MA's), (48, 41338), (Start: 49 @41371 has 50 MA's), (68, 41500), (69, 41503), (70, 41518), (79, 41614), (81, 41653), (85, 41683), (88, 41719), (96, 41830), (101, 41860), (102, 41863), (107, 41929), (117, 42088), (121, 42136), (123, 42154), (130, 42202), (143, 42346), (149, 42406), (158, 42511), (164, 42598),

Gene: Vidya_27 Start: 24052, Stop: 25218, Start Num: 49

Candidate Starts for Vidya_27:

(Start: 49 @24052 has 50 MA's), (57, 24109), (69, 24196), (73, 24241), (79, 24316), (80, 24337), (88, 24421), (91, 24460), (96, 24526), (101, 24556), (103, 24577), (107, 24622), (114, 24718), (116, 24757), (117, 24772), (119, 24784), (121, 24811), (136, 24898), (138, 24916), (139, 24922), (144, 24970), (149, 24991), (156, 25063), (160, 25138),

Gene: Virapocalypse_49 Start: 41700, Stop: 43055, Start Num: 45

Candidate Starts for Virapocalypse_49:

(Start: 45 @41700 has 332 MA's), (48, 41751), (Start: 49 @41784 has 50 MA's), (68, 41913), (69, 41916), (70, 41931), (79, 42027), (81, 42066), (85, 42096), (88, 42132), (96, 42243), (101, 42273), (102, 42276), (107, 42342), (117, 42501), (121, 42549), (123, 42567), (130, 42615), (143, 42759), (149, 42819), (158, 42924), (164, 43011),

Gene: Virgeve_48 Start: 41477, Stop: 42832, Start Num: 45

Candidate Starts for Virgeve_48:

(Start: 45 @41477 has 332 MA's), (48, 41528), (Start: 49 @41561 has 50 MA's), (68, 41690), (69, 41693), (70, 41708), (79, 41804), (81, 41843), (85, 41873), (88, 41909), (96, 42020), (101, 42050), (102, 42053), (107, 42119), (117, 42278), (121, 42326), (123, 42344), (130, 42392), (143, 42536), (149, 42596), (158, 42701), (164, 42788),

Gene: Vista_49 Start: 41710, Stop: 43065, Start Num: 45

Candidate Starts for Vista_49:

(Start: 45 @41710 has 332 MA's), (48, 41761), (Start: 49 @41794 has 50 MA's), (68, 41923), (69, 41926), (70, 41941), (79, 42037), (81, 42076), (85, 42106), (88, 42142), (96, 42253), (101, 42283), (102, 42286), (107, 42352), (117, 42511), (121, 42559), (123, 42577), (130, 42625), (143, 42769), (149, 42829), (158, 42934), (164, 43021),

Gene: Vivaldi_50 Start: 42145, Stop: 43500, Start Num: 45

Candidate Starts for Vivaldi_50:

(Start: 45 @42145 has 332 MA's), (48, 42196), (Start: 49 @42229 has 50 MA's), (68, 42358), (69, 42361), (70, 42376), (79, 42472), (81, 42511), (85, 42541), (88, 42577), (96, 42688), (101, 42718), (102, 42721), (107, 42787), (117, 42946), (121, 42994), (123, 43012), (130, 43060), (143, 43204), (149, 43264), (158, 43369), (164, 43456),

Gene: Vortex_49 Start: 41407, Stop: 42762, Start Num: 45

Candidate Starts for Vortex_49:

(Start: 45 @41407 has 332 MA's), (48, 41458), (Start: 49 @41491 has 50 MA's), (68, 41620), (69, 41623), (70, 41638), (79, 41734), (81, 41773), (85, 41803), (88, 41839), (96, 41950), (101, 41980), (102, 41983), (107, 42049), (117, 42208), (121, 42256), (123, 42274), (130, 42322), (143, 42466), (149, 42526), (158, 42631), (164, 42718),

Gene: Wallhey_48 Start: 41270, Stop: 42625, Start Num: 45

Candidate Starts for Wallhey_48:

(Start: 45 @41270 has 332 MA's), (48, 41321), (Start: 49 @41354 has 50 MA's), (68, 41483), (69, 41486), (70, 41501), (79, 41597), (81, 41636), (85, 41666), (88, 41702), (96, 41813), (101, 41843), (102, 41846), (107, 41912), (117, 42071), (121, 42119), (123, 42137), (130, 42185), (143, 42329), (149, 42389), (158, 42494), (164, 42581),

Gene: Waterdiva_49 Start: 41702, Stop: 43057, Start Num: 45

Candidate Starts for Waterdiva_49:

(Start: 45 @41702 has 332 MA's), (48, 41753), (Start: 49 @41786 has 50 MA's), (68, 41915), (69, 41918), (70, 41933), (79, 42029), (81, 42068), (85, 42098), (88, 42134), (96, 42245), (101, 42275), (102, 42278), (107, 42344), (117, 42503), (121, 42551), (123, 42569), (130, 42617), (143, 42761), (149, 42821), (158, 42926), (164, 43013),

Gene: Webster2_33 Start: 28339, Stop: 29574, Start Num: 45

Candidate Starts for Webster2_33:

(Start: 45 @28339 has 332 MA's), (51, 28432), (55, 28465), (58, 28477), (62, 28489), (63, 28492), (69, 28555), (70, 28573), (75, 28606), (79, 28666), (81, 28705), (82, 28714), (83, 28717), (85, 28735), (88, 28771), (92, 28819), (93, 28831), (94, 28837), (98, 28900), (99, 28903), (103, 28930), (105, 28942), (111, 29044), (117, 29131), (121, 29170), (124, 29191), (137, 29260), (141, 29290), (144, 29323), (146, 29332), (148, 29338), (151, 29350), (152, 29359), (157, 29422), (160, 29491),

Gene: Weher20_49 Start: 41701, Stop: 43056, Start Num: 45

Candidate Starts for Weher20_49:

(Start: 45 @41701 has 332 MA's), (48, 41752), (Start: 49 @41785 has 50 MA's), (69, 41917), (70, 41932), (79, 42028), (81, 42067), (85, 42097), (88, 42133), (96, 42244), (101, 42274), (102, 42277), (107, 42343), (117, 42502), (121, 42550), (123, 42568), (130, 42616), (143, 42760), (149, 42820), (158, 42925), (160, 42979), (164, 43012),

Gene: Weirido19_29 Start: 26675, Stop: 27889, Start Num: 45

Candidate Starts for Weirido19_29:

(36, 26498), (37, 26516), (39, 26561), (Start: 45 @26675 has 332 MA's), (65, 26831), (70, 26888), (71, 26909), (75, 26921), (78, 26954), (79, 26978), (80, 26999), (82, 27026), (88, 27083), (90, 27104), (92, 27131), (104, 27245), (107, 27296), (113, 27386), (117, 27443), (120, 27467), (121, 27482), (124,

27503), (133, 27557), (136, 27569), (139, 27593), (141, 27602), (148, 27650), (150, 27659), (155, 27710), (167, 27872),

Gene: Windsor_48 Start: 41406, Stop: 42761, Start Num: 45

Candidate Starts for Windsor_48:

(Start: 45 @41406 has 332 MA's), (48, 41457), (Start: 49 @41490 has 50 MA's), (68, 41619), (69, 41622), (70, 41637), (79, 41733), (81, 41772), (85, 41802), (88, 41838), (96, 41949), (101, 41979), (102, 41982), (107, 42048), (117, 42207), (121, 42255), (123, 42273), (130, 42321), (143, 42465), (149, 42525), (158, 42630), (164, 42717),

Gene: Wishmaker_32 Start: 28339, Stop: 29574, Start Num: 45

Candidate Starts for Wishmaker_32:

(Start: 45 @28339 has 332 MA's), (51, 28432), (55, 28465), (58, 28477), (62, 28489), (63, 28492), (69, 28555), (70, 28573), (75, 28606), (79, 28666), (81, 28705), (82, 28714), (83, 28717), (85, 28735), (88, 28771), (92, 28819), (93, 28831), (94, 28837), (98, 28900), (99, 28903), (103, 28930), (105, 28942), (111, 29044), (117, 29131), (121, 29170), (124, 29191), (137, 29260), (141, 29290), (144, 29323), (146, 29332), (148, 29338), (151, 29350), (152, 29359), (157, 29422), (160, 29491),

Gene: Xavia_27 Start: 24676, Stop: 25842, Start Num: 49

Candidate Starts for Xavia_27:

(Start: 49 @24676 has 50 MA's), (50, 24685), (56, 24730), (57, 24733), (69, 24820), (73, 24865), (76, 24898), (79, 24940), (80, 24961), (81, 24979), (88, 25045), (91, 25084), (96, 25150), (103, 25201), (107, 25246), (114, 25342), (116, 25381), (117, 25396), (119, 25408), (121, 25435), (136, 25522), (138, 25540), (139, 25546), (141, 25558), (142, 25570), (147, 25606), (156, 25687), (160, 25762), (166, 25804), (167, 25825), (168, 25831),

Gene: Xavier_48 Start: 41414, Stop: 42769, Start Num: 45

Candidate Starts for Xavier_48:

(Start: 45 @41414 has 332 MA's), (48, 41465), (Start: 49 @41498 has 50 MA's), (68, 41627), (69, 41630), (70, 41645), (79, 41741), (81, 41780), (85, 41810), (88, 41846), (96, 41957), (101, 41987), (102, 41990), (107, 42056), (117, 42215), (121, 42263), (123, 42281), (130, 42329), (143, 42473), (149, 42533), (158, 42638), (164, 42725),

Gene: Xula_25 Start: 23743, Stop: 24909, Start Num: 49

Candidate Starts for Xula_25:

(15, 22999), (34, 23371), (Start: 49 @23743 has 50 MA's), (57, 23800), (69, 23887), (74, 23935), (79, 24007), (80, 24028), (88, 24112), (91, 24151), (96, 24217), (101, 24247), (103, 24268), (107, 24313), (114, 24409), (116, 24448), (117, 24463), (121, 24502), (136, 24589), (138, 24607), (139, 24613), (144, 24661), (156, 24754), (160, 24829), (166, 24871), (167, 24892), (168, 24898),

Gene: Yoshand_50 Start: 41844, Stop: 43220, Start Num: 45

Candidate Starts for Yoshand_50:

(Start: 45 @41844 has 332 MA's), (48, 41895), (Start: 49 @41928 has 50 MA's), (68, 42057), (69, 42060), (70, 42075), (79, 42171), (81, 42210), (85, 42240), (88, 42276), (96, 42387), (101, 42417), (102, 42420), (107, 42486), (117, 42645), (121, 42693), (123, 42711), (130, 42759), (143, 42924), (149, 42984), (158, 43089), (164, 43176),

Gene: YouGoGlencoco_49 Start: 41704, Stop: 43059, Start Num: 45

Candidate Starts for YouGoGlencoco_49:

(Start: 45 @41704 has 332 MA's), (48, 41755), (Start: 49 @41788 has 50 MA's), (68, 41917), (69, 41920), (70, 41935), (79, 42031), (81, 42070), (85, 42100), (88, 42136), (96, 42247), (101, 42277), (102, 42280), (107, 42346), (117, 42505), (121, 42553), (123, 42571), (130, 42619), (143, 42763), (149, 42823), (158, 42928), (164, 43015),

Gene: Zaider_50 Start: 41934, Stop: 43289, Start Num: 45

Candidate Starts for Zaider_50:

(Start: 45 @41934 has 332 MA's), (48, 41985), (Start: 49 @42018 has 50 MA's), (52, 42036), (68, 42147), (69, 42150), (70, 42165), (79, 42261), (81, 42300), (85, 42330), (88, 42366), (96, 42477), (101, 42507), (102, 42510), (107, 42576), (117, 42735), (121, 42783), (123, 42801), (130, 42849), (143, 42993), (149, 43053), (158, 43158), (164, 43245),

Gene: Zelda_49 Start: 41751, Stop: 43106, Start Num: 45

Candidate Starts for Zelda_49:

(Start: 45 @41751 has 332 MA's), (48, 41802), (Start: 49 @41835 has 50 MA's), (68, 41964), (69, 41967), (70, 41982), (79, 42078), (81, 42117), (85, 42147), (88, 42183), (96, 42294), (101, 42324), (102, 42327), (107, 42393), (117, 42552), (121, 42600), (123, 42618), (130, 42666), (143, 42810), (149, 42870), (158, 42975), (164, 43062),

Gene: Zilizebeth_27 Start: 24052, Stop: 25218, Start Num: 49

Candidate Starts for Zilizebeth_27:

(Start: 49 @24052 has 50 MA's), (57, 24109), (69, 24196), (73, 24241), (74, 24244), (79, 24316), (80, 24337), (88, 24421), (91, 24460), (96, 24526), (101, 24556), (103, 24577), (107, 24622), (114, 24718), (116, 24757), (117, 24772), (119, 24784), (121, 24811), (136, 24898), (138, 24916), (139, 24922), (144, 24970), (149, 24991), (156, 25063), (160, 25138),

Gene: ZoMa_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for ZoMa_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Zombie_28 Start: 25201, Stop: 26409, Start Num: 45

Candidate Starts for Zombie_28:

(40, 25108), (Start: 45 @25201 has 332 MA's), (67, 25375), (72, 25447), (81, 25546), (82, 25555), (86, 25579), (87, 25588), (88, 25612), (90, 25633), (92, 25660), (93, 25672), (99, 25744), (105, 25783), (117, 25972), (120, 25996), (121, 26011), (124, 26032), (130, 26077), (131, 26080), (141, 26131),

Gene: Zonia_49 Start: 41721, Stop: 43076, Start Num: 45

Candidate Starts for Zonia_49:

(Start: 45 @41721 has 332 MA's), (48, 41772), (Start: 49 @41805 has 50 MA's), (68, 41934), (69, 41937), (70, 41952), (79, 42048), (81, 42087), (85, 42117), (88, 42153), (96, 42264), (101, 42294), (102, 42297), (107, 42363), (117, 42522), (121, 42570), (123, 42588), (130, 42636), (143, 42780), (149, 42840), (158, 42945), (164, 43032),