

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 193686 Report

This analysis was run 11/02/24 on database version 579.

Pham number 193686 has 278 members, 12 are drafts.

Phages represented in each track:

- Track 1 : Morgushi_47, Freya_46, Ricotta_46, Grand2040_46, Daffy_47, Cannibal_47, Beaglebox_46, Kwadwo_46, Sophia_46, Haleema_46, Lumine_46, CamL_47, MrPhizzler_46, Timmi_46, Eugenia_47, Dice_46, Serendipity_47, Brilliant_47, Simielle_46, TomBombadil_47, Maru_46, PinheadLarry_47, Rimu_49, Longacauda_46, Kahve_46, HenryJackson_46, Toni_46, Gareth_46, QueenBeane_47, Dione_46, Orfeu_46, Legolas_47, Samaymay_47, Lasso_47, Phareon_47, Hocus_46, LuckyMarjie_46
- Track 2 : Bluephacebaby_46, Pacifista_46, Altwerkus_46, DonSanchon_46, Potter_46, Robyn_46, Cosmolli16_46, Schadenfreude_46, SassyCat97_46, MitKao_47, Cobra_47, Mesh1_47, JangoPhett_47, PhatLouie_47, DelRivs_46, Derpp_46, Zonia_47, GeneCoco_47, YouGoGlencoco_47, Aelin_46, Pinkman_46, Matalotodo_47, Jillium_46, True_46, Wallhey_46, Surely_47, TyrionL_46, Chorkpop_47, FriarPreacher_46, Kwksand96_46, Virapocalypse_47, Labeouficaum_46, Zelda_47, Held_47, Thora_47, LemonSlice_47, UAch1_47, Zaider_48, Hetaeria_47, Antonia_46, Placalicious_46
- Track 3 : ABU_48, PhrodoBaggins_47, Badfish_48, HighStump_47, Morty_48, PG1_48, LasagnaCat_48, RedMaple_47, Katniss_48, Mulan_47, Scoot17C_48, Craff_48, CampRoach_48, Swish_48, PhatCats2014_48, MelsMeow_47, Inchworm_48, Yoshand_48, Lego3393_46, Fringe_48, Durga_48, Phamished_48, Pherdinand_48, Orion_48, Adriana_48, Emiris_48
- Track 4 : Mosaic_46, Swiphy_49, Lopsy_46, UncleHowie_47, Giraffe_47, LeeLot_47, Oosterbaan_47, Nyala_46, Selr12_47, Squid_47, Harvey_47, Hertubise_47
- Track 5 : Dingo_47, Mikota_47, BlueHusk_47, Soto_47, Roliet_47, Sheila_47, KingVeVeVe_47
- Track 6 : Oline_46, Piglet_0046, Scrick_47, Dati_47, Buckeye_47, Etaye_47, Telesworld_46, Charles1_47, KLucky39_47, Quisquilliae_47, Numberten_47, Lulwa_47, Chunky_47, HSavage_47, Pops_47, Slatt_47, DirtJuice_47, PImatters_47, JDog_46, Podrick_47, Weher20_47, Frankicide_47, Tooj_47
- Track 7 : MiniBoss_47, AltPhacts_47
- Track 8 : Hamish_47, Chaelin_47, Burr_46, Suffolk_47, Cornobble_46, Gophee_47, Gwilliam_48, Hartsy_47, Megamind20_47, Skippy_47, Roscoe_48, Horchata_47, Fozzie_46, Eremos_47, Solosis_46, Duggie_46, AbsoluteMadLad_46, Prickles_47, Keitherie_47, Mutante_46, Crownjwl_47, Iridoclysis_47, MRabcd_46, ProfessorX_47, Spartan300_47, Riggan_47, Omniscient_47, Schueller_47, LeiMonet_48, Kimbrough_47, Daka_48, Windsor_46, Phunky_47, Boehler_47, Squiggle_47, Soile_47, CharlieGBrown_46, Doddsville_47, Bishoperium_46, Mecca_46,

ShiVal_47, Anderson_47, Virgeve_46, Struggle_46, Childish_46, Haimas_47, EmpTee_47, Tomlarah_47, Valjean_47, DaddyDaniels_47, Jiraiya_48, JakeO_46, KingTut_38, Jiminy_46

- Track 9 : Pipsqueak_47, PhrankReynolds_45, PhenghisKhan_46, Mcshane_46, Coletti_46, Chute_46, CheetO_47, Olive_47, Apizium_47, Colbert_47, Phergie_46, Thunderbird_46, OliverWalter_47, Basato_48, Waterdiva_47
- Track 10 : Melc17_47, DoesntMatter_46, Serpentine_0047, KlimbOn_47, Gyarad_0047, SilverBell_47, Vaishali24_46, Newman_47, Orwigg_47, Inverness_47
- Track 11 : Usavi_47
- Track 12 : Cher_46
- Track 13 : Roy17_47, Vaticameos_43, Murdoc_47, Lulumae_46, Vortex_47, Puhltonio_47, Banjo_46, Xavier_46, TallGrassMM_47
- Track 14 : ThreeOh3D2_48, ImtiyazSitla_47, Fang_48, Nacho_0048, Trypo_48, Ashraf_47, Megatron_48, IsaacEli_48, FluffyNinja_48, Maskar_47, OSmaximus_48, Chah_49, Kikipoo_48, Sigman_48
- Track 15 : Veritas_46, Kailash_47, Magic8_47, BatteryCK_46, Mag7_46, MichaelPhcott_46, Nicole21_47
- Track 16 : LostAndPhound_46
- Track 17 : Mana_46
- Track 18 : Vivaldi_47
- Track 19 : Olak_46
- Track 20 : Manad_46
- Track 21 : Kloppinator_47
- Track 22 : Vista_47
- Track 23 : BlackStallion_48
- Track 24 : SDcharge11_47
- Track 25 : FugateOSU_46
- Track 26 : Carthage_45
- Track 27 : Andre_48, DuchessDung_46
- Track 28 : JacAttac_48
- Track 29 : Phleuron_46
- Track 30 : Vincenzo_43, AlanGrant_44
- Track 31 : Saguaro_48
- Track 32 : Quesadilla_48

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

The start number called the most often in the published annotations is 12, it was called in 201 of the 266 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_48, AbsoluteMadLad_46, Adriana_48, Aelin_46, AltPhacts_47, Altwerkus_46, Anderson_47, Andre_48, Antonia_46, Badfish_48, BatteryCK_46, Beaglebox_46, Bishoperium_46, BlackStallion_48, BlueHusk_47, Bluephacebaby_46, Boehler_47, Brilliant_47, Buckeye_47, Burr_46, CamL_47, CampRoach_48, Cannibal_47, Carthage_45, Chaelin_47, Charles1_47, CharlieGBrown_46, Cher_46, Childish_46, Chorkpop_47, Chunky_47, Cobra_47, Cornobble_46, Cosmolli16_46, Craff_48, Crownjwl_47, DaddyDaniels_47, Daffy_47, Daka_48, Dati_47, DelRivs_46, Derpp_46, Dice_46, Dingo_47, Dione_46, DirtJuice_47, Doddsville_47, DonSanchon_46, DuchessDung_46, Duggie_46, Durga_48, Emiris_48, EmpTee_47,

Eremos_47, Etaye_47, Eugenia_47, Fozzie_46, Frankicide_47, Freya_46, FriarPreacher_46, Fringe_48, FugateOSU_46, Gareth_46, GeneCoco_47, Gophee_47, Grand2040_46, Gwilliam_48, HSavage_47, Haimas_47, Haleema_46, Hamish_47, Hartsy_47, Held_47, HenryJackson_46, Hetaeria_47, HighStump_47, Hocus_46, Horchata_47, Inchworm_48, Iridoclysis_47, JDog_46, JakeO_46, JangoPhett_47, Jillium_46, Jiminy_46, Jiraiya_48, KLucky39_47, Kahve_46, Kailash_47, Katniss_48, Keitherie_47, Kimbrough_47, KingTut_38, KingVeVeVe_47, Kloppinator_47, Kwadwo_46, Kwksand96_46, Labeouficaum_46, LasagnaCat_48, Lasso_47, Lego3393_46, Legolas_47, LeiMonet_48, LemonSlice_47, Longacauda_46, LostAndPhound_46, LuckyMarjie_46, Lulwa_47, Lumine_46, MRabcd_46, Mag7_46, Magic8_47, Mana_46, Maru_46, Matalotodo_47, Mecca_46, Megamind20_47, MelsMeow_47, Mesh1_47, MichaelPhcott_46, Mikota_47, MiniBoss_47, MitKao_47, Morgushi_47, Morty_48, MrPhizzler_46, Mulan_47, Mutante_46, Nicole21_47, Numberten_47, Olak_46, Oline_46, Omniscient_47, Orfeu_46, Orion_48, PG1_48, Pacifista_46, Phamished_48, Phareon_47, PhatCats2014_48, PhatLouie_47, Pherdinand_48, PhrodoBaggins_47, Phunky_47, Piglet_0046, PinheadLarry_47, Pinkman_46, Placalicious_46, Plmatters_47, Podrick_47, Pops_47, Potter_46, Prickles_47, ProfessorX_47, QueenBeane_47, Quisquillae_47, RedMaple_47, Ricotta_46, Riggan_47, Rimu_49, Robyn_46, Roliet_47, Roscoe_48, Samaymay_47, SassyCat97_46, Schadenfreude_46, Schueller_47, Scoot17C_48, Scrick_47, Serendipity_47, Sheila_47, ShiVal_47, Simielle_46, Skippy_47, Slatt_47, Soile_47, Solosis_46, Sophia_46, Soto_47, Spartan300_47, Squiggle_47, Struggle_46, Suffolk_47, Surely_47, Swish_48, Telesworld_46, Thora_47, Timmi_46, TomBombadil_47, Tomlarah_47, Toni_46, Tooj_47, True_46, TyrionL_46, UAch1_47, Usavi_47, Valjean_47, Veritas_46, Virapocalypse_47, Virgeve_46, Wallhey_46, Weher20_47, Windsor_46, Yoshand_48, YouGoGlencoco_47, Zaider_48, Zelda_47, Zonia_47,

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

- Apizium_47, Ashraf_47, Banjo_46, Basato_48, Chah_49, CheetO_47, Chute_46, Colbert_47, Coletti_46, DoesntMatter_46, Fang_48, FluffyNinja_48, Giraffe_47, Gyarad_0047, Harvey_47, Hertubise_47, ImtiyazSitla_47, Inverness_47, IsaacEli_48, JacAttac_48, Kikipoo_48, KlimbOn_47, LeeLot_47, Lopsy_46, Lulumae_46, Manad_46, Maskar_47, Mcshane_46, Megatron_48, Melc17_47, Mosaic_46, Murdoc_47, Nacho_0048, Newman_47, Nyala_46, OSmaximus_48, Olive_47, OliverWalter_47, Oosterbaan_47, Orwigg_47, PhenghisKhan_46, Phergie_46, Phleuron_46, PhrankReynolds_45, Pipsqueak_47, Puhltonio_47, Roy17_47, SDcharge11_47, Selr12_47, Serpentine_0047, Sigman_48, SilverBell_47, Squid_47, Swiphy_49, TallGrassMM_47, ThreeOh3D2_48, Thunderbird_46, Trypo_48, UncleHowie_47, Vaishali24_46, Vaticameos_43, Vista_47, Vivaldi_47, Vortex_47, Waterdiva_47, Xavier_46,

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

- AlanGrant_44, Quesadilla_48, Saguaro_48, Vincenzo_43,

Summary by start number:

Start 3:

- Found in 259 of 278 (93.2%) of genes in pham
- Manual Annotations of this start: 56 of 266
- Called 23.6% of time when present
- Phage (with cluster) where this start called: Apizium_47 (B1), Ashraf_47 (B1), Banjo_46 (B1), Basato_48 (B1), Chah_49 (B1), CheetO_47 (B1), Chute_46 (B1),

Colbert_47 (B1), Coletti_46 (B1), DoesntMatter_46 (B1), Fang_48 (B1), FluffyNinja_48 (B1), Giraffe_47 (B1), Gyarad_0047 (B1), Harvey_47 (B1), Hertubise_47 (B1), ImtiyazSitla_47 (B1), Inverness_47 (B1), IsaacEli_48 (B1), Kikipoo_48 (B1), KlimbOn_47 (B1), LeeLot_47 (B1), Lopsy_46 (B1), Lulumae_46 (B1), Maskar_47 (B1), Mcshane_46 (B1), Megatron_48 (B1), Melc17_47 (B1), Mosaic_46 (B1), Murdoc_47 (B1), Nacho_0048 (B1), Newman_47 (B1), Nyala_46 (B1), OSmaximus_48 (B1), Olive_47 (B1), OliverWalter_47 (B1), Oosterbaan_47 (B1), Orwigg_47 (B1), PhenghisKhan_46 (B1), Phergie_46 (B1), Phleuron_46 (B1), PhrankReynolds_45 (B1), Pipsqueak_47 (B1), Puhltonio_47 (B1), Roy17_47 (B1), Selr12_47 (B1), Serpentine_0047 (B1), Sigman_48 (B1), SilverBell_47 (B1), Squid_47 (B1), Swiphy_49 (B1), TallGrassMM_47 (B1), ThreeOh3D2_48 (B1), Thunderbird_46 (B1), Trypo_48 (B1), UncleHowie_47 (B1), Vaishali24_46 (B1), Vaticameos_43 (B1), Vortex_47 (B1), Waterdiva_47 (B1), Xavier_46 (B1),

Start 4:

- Found in 261 of 278 (93.9%) of genes in pham
- Manual Annotations of this start: 3 of 266
- Called 1.1% of time when present
- Phage (with cluster) where this start called: JacAttac_48 (B1), Vista_47 (B1), Vivaldi_47 (B1),

Start 5:

- Found in 262 of 278 (94.2%) of genes in pham
- Manual Annotations of this start: 1 of 266
- Called 0.4% of time when present
- Phage (with cluster) where this start called: Manad_46 (B1),

Start 8:

- Found in 2 of 278 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 266
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AlanGrant_44 (B4), Vincenzo_43 (B4),

Start 10:

- Found in 10 of 278 (3.6%) of genes in pham
- Manual Annotations of this start: 1 of 266
- Called 10.0% of time when present
- Phage (with cluster) where this start called: SDcharge11_47 (B1),

Start 11:

- Found in 2 of 278 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 266
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Quesadilla_48 (B9), Saguaro_48 (B7),

Start 12:

- Found in 274 of 278 (98.6%) of genes in pham
- Manual Annotations of this start: 201 of 266
- Called 75.9% of time when present
- Phage (with cluster) where this start called: ABU_48 (B1), AbsoluteMadLad_46 (B1), Adriana_48 (B1), Aelin_46 (B1), AltPhacts_47 (B1), Altwerkus_46 (B1), Anderson_47 (B1), Andre_48 (B1), Antonia_46 (B1), Badfish_48 (B1), BatteryCK_46 (B1), Beaglebox_46 (B1), Bishoperium_46 (B1), BlackStallion_48 (B1), BlueHusk_47

(B1), Bluephacebaby_46 (B1), Boehler_47 (B1), Brilliant_47 (B1), Buckeye_47 (B1), Burr_46 (B1), CamL_47 (B1), CampRoach_48 (B1), Cannibal_47 (B1), Carthage_45 (B1), Chaelin_47 (B1), Charles1_47 (B1), CharlieGBrown_46 (B1), Cher_46 (B1), Childish_46 (B1), Chorkpop_47 (B1), Chunky_47 (B1), Cobra_47 (B1), Cornobble_46 (B1), Cosmolli16_46 (B1), Craff_48 (B1), Crownjwl_47 (B1), DaddyDaniels_47 (B1), Daffy_47 (B1), Daka_48 (B1), Dati_47 (B1), DelRivs_46 (B1), Derpp_46 (B1), Dice_46 (B1), Dingo_47 (B1), Dione_46 (B1), DirtJuice_47 (B1), Doddsville_47 (B1), DonSanchon_46 (B1), DuchessDung_46 (B1), Duggie_46 (B1), Durga_48 (B1), Emiris_48 (B1), EmpTee_47 (B1), Eremos_47 (B1), Etaye_47 (B1), Eugenia_47 (B1), Fozzie_46 (B1), Frankicide_47 (B1), Freya_46 (B1), FriarPreacher_46 (B1), Fringe_48 (B1), FugateOSU_46 (B1), Gareth_46 (B1), GeneCoco_47 (B1), Gophee_47 (B1), Grand2040_46 (B1), Gwilliam_48 (B1), HSavage_47 (B1), Haimas_47 (B1), Haleema_46 (B1), Hamish_47 (B1), Hartsy_47 (B1), Held_47 (B1), HenryJackson_46 (B1), Hetaeria_47 (B1), HighStump_47 (B1), Hocus_46 (B1), Horchata_47 (B1), Inchworm_48 (B1), Iridoclysis_47 (B1), JDog_46 (B1), JakeO_46 (B1), JangoPhett_47 (B1), Jillium_46 (B1), Jiminy_46 (B1), Jiraiya_48 (B1), KLucky39_47 (B1), Kahve_46 (B1), Kailash_47 (B1), Katniss_48 (B1), Keitherie_47 (B1), Kimbrough_47 (B1), KingTut_38 (B1), KingVeVeVe_47 (B1), Kloppinator_47 (B1), Kwadwo_46 (B1), Kwksand96_46 (B1), Labeouficaum_46 (B1), LasagnaCat_48 (B1), Lasso_47 (B1), Lego3393_46 (B1), Legolas_47 (B1), LeiMonet_48 (B1), LemonSlice_47 (B1), Longacauda_46 (B1), LostAndPhound_46 (B1), LuckyMarjie_46 (B1), Lulwa_47 (B1), Lumine_46 (B1), MRabcd_46 (B1), Mag7_46 (B1), Magic8_47 (B1), Mana_46 (B1), Maru_46 (B1), Matalotodo_47 (B1), Mecca_46 (B1), Megamind20_47 (B1), MelsMeow_47 (B1), Mesh1_47 (B1), MichaelPhcott_46 (B1), Mikota_47 (B1), MiniBoss_47 (B1), MitKao_47 (B1), Morgushi_47 (B1), Morty_48 (B1), MrPhizzler_46 (B1), Mulan_47 (B1), Mutante_46 (B1), Nicole21_47 (B1), Numberten_47 (B1), Olak_46 (B1), Oline_46 (B1), Omniscient_47 (B1), Orfeu_46 (B1), Orion_48 (B1), PG1_48 (B1), Pacifista_46 (B1), Phamished_48 (B1), Phareon_47 (B1), PhatCats2014_48 (B1), PhatLouie_47 (B1), Pherdinand_48 (B1), PhrodoBaggins_47 (B1), Phunky_47 (B1), Piglet_0046 (B1), PinheadLarry_47 (B1), Pinkman_46 (B1), Placalicious_46 (B1), Plmatters_47 (B1), Podrick_47 (B1), Pops_47 (B1), Potter_46 (B1), Prickles_47 (B1), ProfessorX_47 (B1), QueenBeane_47 (B1), Quisquiliae_47 (B1), RedMaple_47 (B1), Ricotta_46 (B1), Riggan_47 (B1), Rimu_49 (B1), Robyn_46 (B1), Roliet_47 (B1), Roscoe_48 (B1), Samaymay_47 (B1), SassyCat97_46 (B1), Schadenfreude_46 (B1), Schueller_47 (B1), Scoot17C_48 (B1), Scrick_47 (B1), Serendipity_47 (B1), Sheila_47 (B1), ShiVal_47 (B1), Simielle_46 (B1), Skippy_47 (B1), Slatt_47 (B1), Soile_47 (B1), Solosis_46 (B1), Sophia_46 (B1), Soto_47 (B1), Spartan300_47 (B1), Squiggle_47 (B1), Struggle_46 (B1), Suffolk_47 (B1), Surely_47 (B1), Swish_48 (B1), Telesworld_46 (B1), Thora_47 (B1), Timmi_46 (B1), TomBombadil_47 (B1), Tomlarah_47 (B1), Toni_46 (B1), Tooj_47 (B1), True_46 (B1), TyrionL_46 (B1), UAch1_47 (B1), Usavi_47 (B1), Valjean_47 (B1), Veritas_46 (B1), Virapocalypse_47 (B1), Virgeve_46 (B1), Wallhey_46 (B1), Weher20_47 (B1), Windsor_46 (B1), Yoshand_48 (B1), YouGoGlencoco_47 (B1), Zaider_48 (B1), Zelda_47 (B1), Zonia_47 (B1),

Summary by clusters:

There are 4 clusters represented in this pham: B4, B7, B1, B9,

Info for manual annotations of cluster B1:

- Start number 3 was manually annotated 56 times for cluster B1.
- Start number 4 was manually annotated 3 times for cluster B1.

- Start number 5 was manually annotated 1 time for cluster B1.
- Start number 10 was manually annotated 1 time for cluster B1.
- Start number 12 was manually annotated 201 times for cluster B1.

Info for manual annotations of cluster B4:

- Start number 8 was manually annotated 2 times for cluster B4.

Info for manual annotations of cluster B7:

- Start number 11 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B9:

- Start number 11 was manually annotated 1 time for cluster B9.

Gene Information:

Gene: ABU_48 Start: 40410, Stop: 39850, Start Num: 12

Candidate Starts for ABU_48:

(Start: 3 @40494 has 56 MA's), (Start: 4 @40488 has 3 MA's), (Start: 5 @40485 has 1 MA's), (Start: 12 @40410 has 201 MA's), (14, 40341), (15, 40338), (16, 40335), (20, 40281), (28, 40068),

Gene: AbsoluteMadLad_46 Start: 40287, Stop: 39727, Start Num: 12

Candidate Starts for AbsoluteMadLad_46:

(Start: 3 @40371 has 56 MA's), (Start: 4 @40365 has 3 MA's), (Start: 5 @40362 has 1 MA's), (Start: 12 @40287 has 201 MA's), (14, 40218), (15, 40215), (16, 40212), (20, 40158), (28, 39945), (34, 39738),

Gene: Adriana_48 Start: 40408, Stop: 39848, Start Num: 12

Candidate Starts for Adriana_48:

(Start: 3 @40492 has 56 MA's), (Start: 4 @40486 has 3 MA's), (Start: 5 @40483 has 1 MA's), (Start: 12 @40408 has 201 MA's), (14, 40339), (15, 40336), (16, 40333), (20, 40279), (28, 40066),

Gene: Aelin_46 Start: 39839, Stop: 39279, Start Num: 12

Candidate Starts for Aelin_46:

(Start: 3 @39923 has 56 MA's), (Start: 4 @39917 has 3 MA's), (Start: 5 @39914 has 1 MA's), (Start: 12 @39839 has 201 MA's), (14, 39770), (15, 39767), (16, 39764), (25, 39599), (28, 39497), (34, 39290),

Gene: AlanGrant_44 Start: 41068, Stop: 40448, Start Num: 8

Candidate Starts for AlanGrant_44:

(Start: 8 @41068 has 2 MA's), (15, 40942), (18, 40909), (21, 40882), (22, 40849), (24, 40774), (26, 40768), (27, 40702), (31, 40621), (33, 40528), (34, 40459),

Gene: AltPhacts_47 Start: 40259, Stop: 39699, Start Num: 12

Candidate Starts for AltPhacts_47:

(Start: 10 @40301 has 1 MA's), (Start: 12 @40259 has 201 MA's), (14, 40190), (15, 40187), (16, 40184), (28, 39917), (32, 39851), (34, 39710),

Gene: Altwerkus_46 Start: 39966, Stop: 39406, Start Num: 12

Candidate Starts for Altwerkus_46:

(Start: 3 @40050 has 56 MA's), (Start: 4 @40044 has 3 MA's), (Start: 5 @40041 has 1 MA's), (Start: 12 @39966 has 201 MA's), (14, 39897), (15, 39894), (16, 39891), (25, 39726), (28, 39624), (34,

39417),

Gene: Anderson_47 Start: 40265, Stop: 39705, Start Num: 12

Candidate Starts for Anderson_47:

(Start: 3 @40349 has 56 MA's), (Start: 4 @40343 has 3 MA's), (Start: 5 @40340 has 1 MA's), (Start: 12 @40265 has 201 MA's), (14, 40196), (15, 40193), (16, 40190), (20, 40136), (28, 39923), (34, 39716),

Gene: Andre_48 Start: 40402, Stop: 39842, Start Num: 12

Candidate Starts for Andre_48:

(Start: 3 @40486 has 56 MA's), (Start: 4 @40480 has 3 MA's), (Start: 5 @40477 has 1 MA's), (Start: 12 @40402 has 201 MA's), (14, 40333), (15, 40330), (16, 40327), (28, 40060),

Gene: Antonia_46 Start: 39839, Stop: 39279, Start Num: 12

Candidate Starts for Antonia_46:

(Start: 3 @39923 has 56 MA's), (Start: 4 @39917 has 3 MA's), (Start: 5 @39914 has 1 MA's), (Start: 12 @39839 has 201 MA's), (14, 39770), (15, 39767), (16, 39764), (25, 39599), (28, 39497), (34, 39290),

Gene: Apizium_47 Start: 40250, Stop: 39606, Start Num: 3

Candidate Starts for Apizium_47:

(Start: 3 @40250 has 56 MA's), (Start: 4 @40244 has 3 MA's), (Start: 5 @40241 has 1 MA's), (Start: 12 @40166 has 201 MA's), (14, 40097), (15, 40094), (16, 40091), (20, 40037), (28, 39824), (34, 39617),

Gene: Ashraf_47 Start: 40051, Stop: 39407, Start Num: 3

Candidate Starts for Ashraf_47:

(Start: 3 @40051 has 56 MA's), (Start: 4 @40045 has 3 MA's), (Start: 5 @40042 has 1 MA's), (Start: 12 @39967 has 201 MA's), (14, 39898), (15, 39895), (16, 39892), (20, 39838), (28, 39625),

Gene: Badfish_48 Start: 40433, Stop: 39873, Start Num: 12

Candidate Starts for Badfish_48:

(Start: 3 @40517 has 56 MA's), (Start: 4 @40511 has 3 MA's), (Start: 5 @40508 has 1 MA's), (Start: 12 @40433 has 201 MA's), (14, 40364), (15, 40361), (16, 40358), (20, 40304), (28, 40091),

Gene: Banjo_46 Start: 40048, Stop: 39410, Start Num: 3

Candidate Starts for Banjo_46:

(Start: 3 @40048 has 56 MA's), (Start: 4 @40042 has 3 MA's), (Start: 5 @40039 has 1 MA's), (Start: 12 @39964 has 201 MA's), (14, 39901), (15, 39898), (16, 39895), (20, 39841), (28, 39628), (32, 39562), (34, 39421),

Gene: Basato_48 Start: 40633, Stop: 39989, Start Num: 3

Candidate Starts for Basato_48:

(Start: 3 @40633 has 56 MA's), (Start: 4 @40627 has 3 MA's), (Start: 5 @40624 has 1 MA's), (Start: 12 @40549 has 201 MA's), (14, 40480), (15, 40477), (16, 40474), (20, 40420), (28, 40207), (34, 40000),

Gene: BatteryCK_46 Start: 39892, Stop: 39332, Start Num: 12

Candidate Starts for BatteryCK_46:

(Start: 3 @39976 has 56 MA's), (Start: 4 @39970 has 3 MA's), (Start: 5 @39967 has 1 MA's), (Start: 12 @39892 has 201 MA's), (15, 39820), (16, 39817), (20, 39763), (25, 39652), (28, 39550), (34, 39343),

Gene: Beaglebox_46 Start: 39985, Stop: 39431, Start Num: 12

Candidate Starts for Beaglebox_46:

(Start: 3 @40069 has 56 MA's), (Start: 4 @40063 has 3 MA's), (Start: 5 @40060 has 1 MA's), (Start: 12 @39985 has 201 MA's), (14, 39922), (15, 39919), (16, 39916), (20, 39862), (28, 39649), (32, 39583), (34, 39442),

Gene: Bishoperium_46 Start: 39979, Stop: 39419, Start Num: 12

Candidate Starts for Bishoperium_46:

(Start: 3 @40063 has 56 MA's), (Start: 4 @40057 has 3 MA's), (Start: 5 @40054 has 1 MA's), (Start: 12 @39979 has 201 MA's), (14, 39910), (15, 39907), (16, 39904), (20, 39850), (28, 39637), (34, 39430),

Gene: BlackStallion_48 Start: 40419, Stop: 39859, Start Num: 12

Candidate Starts for BlackStallion_48:

(Start: 12 @40419 has 201 MA's), (14, 40350), (15, 40347), (16, 40344), (20, 40290), (28, 40077),

Gene: BlueHusk_47 Start: 39784, Stop: 39224, Start Num: 12

Candidate Starts for BlueHusk_47:

(Start: 10 @39826 has 1 MA's), (Start: 12 @39784 has 201 MA's), (14, 39715), (15, 39712), (16, 39709), (20, 39655), (28, 39442), (34, 39235),

Gene: Bluephacebaby_46 Start: 39982, Stop: 39422, Start Num: 12

Candidate Starts for Bluephacebaby_46:

(Start: 3 @40066 has 56 MA's), (Start: 4 @40060 has 3 MA's), (Start: 5 @40057 has 1 MA's), (Start: 12 @39982 has 201 MA's), (14, 39913), (15, 39910), (16, 39907), (25, 39742), (28, 39640), (34, 39433),

Gene: Boehler_47 Start: 40288, Stop: 39728, Start Num: 12

Candidate Starts for Boehler_47:

(Start: 3 @40372 has 56 MA's), (Start: 4 @40366 has 3 MA's), (Start: 5 @40363 has 1 MA's), (Start: 12 @40288 has 201 MA's), (14, 40219), (15, 40216), (16, 40213), (20, 40159), (28, 39946), (34, 39739),

Gene: Brilliant_47 Start: 39981, Stop: 39427, Start Num: 12

Candidate Starts for Brilliant_47:

(Start: 3 @40065 has 56 MA's), (Start: 4 @40059 has 3 MA's), (Start: 5 @40056 has 1 MA's), (Start: 12 @39981 has 201 MA's), (14, 39918), (15, 39915), (16, 39912), (20, 39858), (28, 39645), (32, 39579), (34, 39438),

Gene: Buckeye_47 Start: 40302, Stop: 39742, Start Num: 12

Candidate Starts for Buckeye_47:

(Start: 3 @40386 has 56 MA's), (Start: 4 @40380 has 3 MA's), (Start: 5 @40377 has 1 MA's), (Start: 12 @40302 has 201 MA's), (14, 40233), (15, 40230), (16, 40227), (20, 40173), (25, 40062), (28, 39960), (34, 39753),

Gene: Burr_46 Start: 39976, Stop: 39416, Start Num: 12

Candidate Starts for Burr_46:

(Start: 3 @40060 has 56 MA's), (Start: 4 @40054 has 3 MA's), (Start: 5 @40051 has 1 MA's), (Start: 12 @39976 has 201 MA's), (14, 39907), (15, 39904), (16, 39901), (20, 39847), (28, 39634), (34, 39427),

Gene: CamL_47 Start: 40271, Stop: 39717, Start Num: 12

Candidate Starts for CamL_47:

(Start: 3 @40355 has 56 MA's), (Start: 4 @40349 has 3 MA's), (Start: 5 @40346 has 1 MA's), (Start: 12 @40271 has 201 MA's), (14, 40208), (15, 40205), (16, 40202), (20, 40148), (28, 39935), (32, 39869), (34, 39728),

Gene: CampRoach_48 Start: 40405, Stop: 39845, Start Num: 12

Candidate Starts for CampRoach_48:

(Start: 3 @40489 has 56 MA's), (Start: 4 @40483 has 3 MA's), (Start: 5 @40480 has 1 MA's), (Start: 12 @40405 has 201 MA's), (14, 40336), (15, 40333), (16, 40330), (20, 40276), (28, 40063),

Gene: Cannibal_47 Start: 40254, Stop: 39700, Start Num: 12

Candidate Starts for Cannibal_47:

(Start: 3 @40338 has 56 MA's), (Start: 4 @40332 has 3 MA's), (Start: 5 @40329 has 1 MA's), (Start: 12 @40254 has 201 MA's), (14, 40191), (15, 40188), (16, 40185), (20, 40131), (28, 39918), (32, 39852), (34, 39711),

Gene: Carthage_45 Start: 39189, Stop: 38629, Start Num: 12

Candidate Starts for Carthage_45:

(Start: 3 @39273 has 56 MA's), (Start: 4 @39267 has 3 MA's), (Start: 5 @39264 has 1 MA's), (9, 39246), (Start: 12 @39189 has 201 MA's), (14, 39120), (15, 39117), (16, 39114), (20, 39060), (25, 38949), (28, 38847), (34, 38640),

Gene: Chaelin_47 Start: 39977, Stop: 39417, Start Num: 12

Candidate Starts for Chaelin_47:

(Start: 3 @40061 has 56 MA's), (Start: 4 @40055 has 3 MA's), (Start: 5 @40052 has 1 MA's), (Start: 12 @39977 has 201 MA's), (14, 39908), (15, 39905), (16, 39902), (20, 39848), (28, 39635), (34, 39428),

Gene: Chah_49 Start: 40516, Stop: 39872, Start Num: 3

Candidate Starts for Chah_49:

(Start: 3 @40516 has 56 MA's), (Start: 4 @40510 has 3 MA's), (Start: 5 @40507 has 1 MA's), (Start: 12 @40432 has 201 MA's), (14, 40363), (15, 40360), (16, 40357), (20, 40303), (28, 40090),

Gene: Charles1_47 Start: 40262, Stop: 39702, Start Num: 12

Candidate Starts for Charles1_47:

(Start: 3 @40346 has 56 MA's), (Start: 4 @40340 has 3 MA's), (Start: 5 @40337 has 1 MA's), (Start: 12 @40262 has 201 MA's), (14, 40193), (15, 40190), (16, 40187), (20, 40133), (25, 40022), (28, 39920), (34, 39713),

Gene: CharlieGBrown_46 Start: 39852, Stop: 39292, Start Num: 12

Candidate Starts for CharlieGBrown_46:

(Start: 3 @39936 has 56 MA's), (Start: 4 @39930 has 3 MA's), (Start: 5 @39927 has 1 MA's), (Start: 12 @39852 has 201 MA's), (14, 39783), (15, 39780), (16, 39777), (20, 39723), (28, 39510), (34, 39303),

Gene: CheetO_47 Start: 40366, Stop: 39722, Start Num: 3

Candidate Starts for CheetO_47:

(Start: 3 @40366 has 56 MA's), (Start: 4 @40360 has 3 MA's), (Start: 5 @40357 has 1 MA's), (Start: 12 @40282 has 201 MA's), (14, 40213), (15, 40210), (16, 40207), (20, 40153), (28, 39940), (34, 39733),

Gene: Cher_46 Start: 39999, Stop: 39439, Start Num: 12

Candidate Starts for Cher_46:

(Start: 3 @40083 has 56 MA's), (Start: 4 @40077 has 3 MA's), (Start: 5 @40074 has 1 MA's), (Start: 12 @39999 has 201 MA's), (14, 39930), (15, 39927), (16, 39924), (25, 39759), (28, 39657), (32, 39591), (34, 39450),

Gene: Childish_46 Start: 40002, Stop: 39442, Start Num: 12

Candidate Starts for Childish_46:

(Start: 3 @40086 has 56 MA's), (Start: 4 @40080 has 3 MA's), (Start: 5 @40077 has 1 MA's), (Start: 12 @40002 has 201 MA's), (14, 39933), (15, 39930), (16, 39927), (20, 39873), (28, 39660), (34, 39453),

Gene: Chorkpop_47 Start: 39998, Stop: 39438, Start Num: 12

Candidate Starts for Chorkpop_47:

(Start: 3 @40082 has 56 MA's), (Start: 4 @40076 has 3 MA's), (Start: 5 @40073 has 1 MA's), (Start: 12 @39998 has 201 MA's), (14, 39929), (15, 39926), (16, 39923), (25, 39758), (28, 39656), (34, 39449),

Gene: Chunky_47 Start: 40285, Stop: 39725, Start Num: 12

Candidate Starts for Chunky_47:

(Start: 3 @40369 has 56 MA's), (Start: 4 @40363 has 3 MA's), (Start: 5 @40360 has 1 MA's), (Start: 12 @40285 has 201 MA's), (14, 40216), (15, 40213), (16, 40210), (20, 40156), (25, 40045), (28, 39943), (34, 39736),

Gene: Chute_46 Start: 40410, Stop: 39766, Start Num: 3

Candidate Starts for Chute_46:

(Start: 3 @40410 has 56 MA's), (Start: 4 @40404 has 3 MA's), (Start: 5 @40401 has 1 MA's), (Start: 12 @40326 has 201 MA's), (14, 40257), (15, 40254), (16, 40251), (20, 40197), (28, 39984), (34, 39777),

Gene: Cobra_47 Start: 40283, Stop: 39723, Start Num: 12

Candidate Starts for Cobra_47:

(Start: 3 @40367 has 56 MA's), (Start: 4 @40361 has 3 MA's), (Start: 5 @40358 has 1 MA's), (Start: 12 @40283 has 201 MA's), (14, 40214), (15, 40211), (16, 40208), (25, 40043), (28, 39941), (34, 39734),

Gene: Colbert_47 Start: 40422, Stop: 39778, Start Num: 3

Candidate Starts for Colbert_47:

(Start: 3 @40422 has 56 MA's), (Start: 4 @40416 has 3 MA's), (Start: 5 @40413 has 1 MA's), (Start: 12 @40338 has 201 MA's), (14, 40269), (15, 40266), (16, 40263), (20, 40209), (28, 39996), (34, 39789),

Gene: Coletti_46 Start: 40410, Stop: 39766, Start Num: 3

Candidate Starts for Coletti_46:

(Start: 3 @40410 has 56 MA's), (Start: 4 @40404 has 3 MA's), (Start: 5 @40401 has 1 MA's), (Start: 12 @40326 has 201 MA's), (14, 40257), (15, 40254), (16, 40251), (20, 40197), (28, 39984), (34, 39777),

Gene: Cornobble_46 Start: 39840, Stop: 39280, Start Num: 12

Candidate Starts for Cornobble_46:

(Start: 3 @39924 has 56 MA's), (Start: 4 @39918 has 3 MA's), (Start: 5 @39915 has 1 MA's), (Start: 12 @39840 has 201 MA's), (14, 39771), (15, 39768), (16, 39765), (20, 39711), (28, 39498), (34, 39291),

Gene: Cosmolli16_46 Start: 39990, Stop: 39430, Start Num: 12

Candidate Starts for Cosmolli16_46:

(Start: 3 @40074 has 56 MA's), (Start: 4 @40068 has 3 MA's), (Start: 5 @40065 has 1 MA's), (Start: 12 @39990 has 201 MA's), (14, 39921), (15, 39918), (16, 39915), (25, 39750), (28, 39648), (34, 39441),

Gene: Craff_48 Start: 40418, Stop: 39858, Start Num: 12

Candidate Starts for Craff_48:

(Start: 3 @40502 has 56 MA's), (Start: 4 @40496 has 3 MA's), (Start: 5 @40493 has 1 MA's), (Start: 12 @40418 has 201 MA's), (14, 40349), (15, 40346), (16, 40343), (20, 40289), (28, 40076),

Gene: Crownjwl_47 Start: 40059, Stop: 39499, Start Num: 12

Candidate Starts for Crownjwl_47:

(Start: 3 @40143 has 56 MA's), (Start: 4 @40137 has 3 MA's), (Start: 5 @40134 has 1 MA's), (Start: 12 @40059 has 201 MA's), (14, 39990), (15, 39987), (16, 39984), (20, 39930), (28, 39717), (34, 39510),

Gene: DaddyDaniels_47 Start: 39971, Stop: 39411, Start Num: 12

Candidate Starts for DaddyDaniels_47:

(Start: 3 @40055 has 56 MA's), (Start: 4 @40049 has 3 MA's), (Start: 5 @40046 has 1 MA's), (Start: 12 @39971 has 201 MA's), (14, 39902), (15, 39899), (16, 39896), (20, 39842), (28, 39629), (34, 39422),

Gene: Daffy_47 Start: 39996, Stop: 39442, Start Num: 12

Candidate Starts for Daffy_47:

(Start: 3 @40080 has 56 MA's), (Start: 4 @40074 has 3 MA's), (Start: 5 @40071 has 1 MA's), (Start: 12 @39996 has 201 MA's), (14, 39933), (15, 39930), (16, 39927), (20, 39873), (28, 39660), (32, 39594), (34, 39453),

Gene: Daka_48 Start: 40275, Stop: 39715, Start Num: 12

Candidate Starts for Daka_48:

(Start: 3 @40359 has 56 MA's), (Start: 4 @40353 has 3 MA's), (Start: 5 @40350 has 1 MA's), (Start: 12 @40275 has 201 MA's), (14, 40206), (15, 40203), (16, 40200), (20, 40146), (28, 39933), (34, 39726),

Gene: Dati_47 Start: 39999, Stop: 39439, Start Num: 12

Candidate Starts for Dati_47:

(Start: 3 @40083 has 56 MA's), (Start: 4 @40077 has 3 MA's), (Start: 5 @40074 has 1 MA's), (Start: 12 @39999 has 201 MA's), (14, 39930), (15, 39927), (16, 39924), (20, 39870), (25, 39759), (28, 39657), (34, 39450),

Gene: DelRivs_46 Start: 40003, Stop: 39443, Start Num: 12

Candidate Starts for DelRivs_46:

(Start: 3 @40087 has 56 MA's), (Start: 4 @40081 has 3 MA's), (Start: 5 @40078 has 1 MA's), (Start: 12 @40003 has 201 MA's), (14, 39934), (15, 39931), (16, 39928), (25, 39763), (28, 39661), (34, 39454),

Gene: Derpp_46 Start: 39841, Stop: 39281, Start Num: 12

Candidate Starts for Derpp_46:

(Start: 3 @39925 has 56 MA's), (Start: 4 @39919 has 3 MA's), (Start: 5 @39916 has 1 MA's), (Start: 12 @39841 has 201 MA's), (14, 39772), (15, 39769), (16, 39766), (25, 39601), (28, 39499), (34, 39292),

Gene: Dice_46 Start: 39967, Stop: 39413, Start Num: 12

Candidate Starts for Dice_46:

(Start: 3 @40051 has 56 MA's), (Start: 4 @40045 has 3 MA's), (Start: 5 @40042 has 1 MA's), (Start: 12 @39967 has 201 MA's), (14, 39904), (15, 39901), (16, 39898), (20, 39844), (28, 39631), (32, 39565), (34, 39424),

Gene: Dingo_47 Start: 40265, Stop: 39705, Start Num: 12

Candidate Starts for Dingo_47:

(Start: 10 @40307 has 1 MA's), (Start: 12 @40265 has 201 MA's), (14, 40196), (15, 40193), (16, 40190), (20, 40136), (28, 39923), (34, 39716),

Gene: Dione_46 Start: 39975, Stop: 39421, Start Num: 12

Candidate Starts for Dione_46:

(Start: 3 @40059 has 56 MA's), (Start: 4 @40053 has 3 MA's), (Start: 5 @40050 has 1 MA's), (Start: 12 @39975 has 201 MA's), (14, 39912), (15, 39909), (16, 39906), (20, 39852), (28, 39639), (32, 39573), (34, 39432),

Gene: DirtJuice_47 Start: 40265, Stop: 39705, Start Num: 12

Candidate Starts for DirtJuice_47:

(Start: 3 @40349 has 56 MA's), (Start: 4 @40343 has 3 MA's), (Start: 5 @40340 has 1 MA's), (Start: 12 @40265 has 201 MA's), (14, 40196), (15, 40193), (16, 40190), (20, 40136), (25, 40025), (28, 39923), (34, 39716),

Gene: Doddsville_47 Start: 39995, Stop: 39435, Start Num: 12

Candidate Starts for Doddsville_47:

(Start: 3 @40079 has 56 MA's), (Start: 4 @40073 has 3 MA's), (Start: 5 @40070 has 1 MA's), (Start: 12 @39995 has 201 MA's), (14, 39926), (15, 39923), (16, 39920), (20, 39866), (28, 39653), (34, 39446),

Gene: DoesntMatter_46 Start: 40352, Stop: 39708, Start Num: 3

Candidate Starts for DoesntMatter_46:

(Start: 3 @40352 has 56 MA's), (Start: 4 @40346 has 3 MA's), (Start: 5 @40343 has 1 MA's), (Start: 12 @40268 has 201 MA's), (14, 40199), (15, 40196), (16, 40193), (20, 40139), (25, 40028), (28, 39926), (34, 39719),

Gene: DonSanchon_46 Start: 39978, Stop: 39418, Start Num: 12

Candidate Starts for DonSanchon_46:

(Start: 3 @40062 has 56 MA's), (Start: 4 @40056 has 3 MA's), (Start: 5 @40053 has 1 MA's), (Start: 12 @39978 has 201 MA's), (14, 39909), (15, 39906), (16, 39903), (25, 39738), (28, 39636), (34, 39429),

Gene: DuchessDung_46 Start: 39267, Stop: 38707, Start Num: 12

Candidate Starts for DuchessDung_46:

(Start: 3 @39351 has 56 MA's), (Start: 4 @39345 has 3 MA's), (Start: 5 @39342 has 1 MA's), (Start: 12 @39267 has 201 MA's), (14, 39198), (15, 39195), (16, 39192), (28, 38925),

Gene: Duggie_46 Start: 39997, Stop: 39437, Start Num: 12

Candidate Starts for Duggie_46:

(Start: 3 @40081 has 56 MA's), (Start: 4 @40075 has 3 MA's), (Start: 5 @40072 has 1 MA's), (Start: 12 @39997 has 201 MA's), (14, 39928), (15, 39925), (16, 39922), (20, 39868), (28, 39655), (34, 39448),

Gene: Durga_48 Start: 40433, Stop: 39873, Start Num: 12

Candidate Starts for Durga_48:

(Start: 3 @40517 has 56 MA's), (Start: 4 @40511 has 3 MA's), (Start: 5 @40508 has 1 MA's), (Start: 12 @40433 has 201 MA's), (14, 40364), (15, 40361), (16, 40358), (20, 40304), (28, 40091),

Gene: Emiris_48 Start: 40401, Stop: 39841, Start Num: 12

Candidate Starts for Emiris_48:

(Start: 3 @40485 has 56 MA's), (Start: 4 @40479 has 3 MA's), (Start: 5 @40476 has 1 MA's), (Start: 12 @40401 has 201 MA's), (14, 40332), (15, 40329), (16, 40326), (20, 40272), (28, 40059),

Gene: EmpTee_47 Start: 40281, Stop: 39721, Start Num: 12

Candidate Starts for EmpTee_47:

(Start: 3 @40365 has 56 MA's), (Start: 4 @40359 has 3 MA's), (Start: 5 @40356 has 1 MA's), (Start: 12 @40281 has 201 MA's), (14, 40212), (15, 40209), (16, 40206), (20, 40152), (28, 39939), (34, 39732),

Gene: Eremos_47 Start: 40274, Stop: 39714, Start Num: 12

Candidate Starts for Eremos_47:

(Start: 3 @40358 has 56 MA's), (Start: 4 @40352 has 3 MA's), (Start: 5 @40349 has 1 MA's), (Start: 12 @40274 has 201 MA's), (14, 40205), (15, 40202), (16, 40199), (20, 40145), (28, 39932), (34, 39725),

Gene: Etaye_47 Start: 40268, Stop: 39708, Start Num: 12

Candidate Starts for Etaye_47:

(Start: 3 @40352 has 56 MA's), (Start: 4 @40346 has 3 MA's), (Start: 5 @40343 has 1 MA's), (Start: 12 @40268 has 201 MA's), (14, 40199), (15, 40196), (16, 40193), (20, 40139), (25, 40028), (28, 39926), (34, 39719),

Gene: Eugenia_47 Start: 40278, Stop: 39724, Start Num: 12

Candidate Starts for Eugenia_47:

(Start: 3 @40362 has 56 MA's), (Start: 4 @40356 has 3 MA's), (Start: 5 @40353 has 1 MA's), (Start: 12 @40278 has 201 MA's), (14, 40215), (15, 40212), (16, 40209), (20, 40155), (28, 39942), (32, 39876), (34, 39735),

Gene: Fang_48 Start: 40510, Stop: 39866, Start Num: 3

Candidate Starts for Fang_48:

(Start: 3 @40510 has 56 MA's), (Start: 4 @40504 has 3 MA's), (Start: 5 @40501 has 1 MA's), (Start: 12 @40426 has 201 MA's), (14, 40357), (15, 40354), (16, 40351), (20, 40297), (28, 40084),

Gene: FluffyNinja_48 Start: 40503, Stop: 39859, Start Num: 3

Candidate Starts for FluffyNinja_48:

(Start: 3 @40503 has 56 MA's), (Start: 4 @40497 has 3 MA's), (Start: 5 @40494 has 1 MA's), (Start: 12 @40419 has 201 MA's), (14, 40350), (15, 40347), (16, 40344), (20, 40290), (28, 40077),

Gene: Fozzie_46 Start: 40303, Stop: 39743, Start Num: 12

Candidate Starts for Fozzie_46:

(Start: 3 @40387 has 56 MA's), (Start: 4 @40381 has 3 MA's), (Start: 5 @40378 has 1 MA's), (Start: 12 @40303 has 201 MA's), (14, 40234), (15, 40231), (16, 40228), (20, 40174), (28, 39961), (34, 39754),

Gene: Frankicide_47 Start: 40293, Stop: 39733, Start Num: 12

Candidate Starts for Frankicide_47:

(Start: 3 @40377 has 56 MA's), (Start: 4 @40371 has 3 MA's), (Start: 5 @40368 has 1 MA's), (Start: 12 @40293 has 201 MA's), (14, 40224), (15, 40221), (16, 40218), (20, 40164), (25, 40053), (28, 39951), (34, 39744),

Gene: Freya_46 Start: 39966, Stop: 39412, Start Num: 12

Candidate Starts for Freya_46:

(Start: 3 @40050 has 56 MA's), (Start: 4 @40044 has 3 MA's), (Start: 5 @40041 has 1 MA's), (Start: 12 @39966 has 201 MA's), (14, 39903), (15, 39900), (16, 39897), (20, 39843), (28, 39630), (32, 39564), (34, 39423),

Gene: FriarPreacher_46 Start: 40305, Stop: 39745, Start Num: 12

Candidate Starts for FriarPreacher_46:

(Start: 3 @40389 has 56 MA's), (Start: 4 @40383 has 3 MA's), (Start: 5 @40380 has 1 MA's), (Start: 12 @40305 has 201 MA's), (14, 40236), (15, 40233), (16, 40230), (25, 40065), (28, 39963), (34, 39756),

Gene: Fringe_48 Start: 40402, Stop: 39842, Start Num: 12

Candidate Starts for Fringe_48:

(Start: 3 @40486 has 56 MA's), (Start: 4 @40480 has 3 MA's), (Start: 5 @40477 has 1 MA's), (Start: 12 @40402 has 201 MA's), (14, 40333), (15, 40330), (16, 40327), (20, 40273), (28, 40060),

Gene: FugateOSU_46 Start: 39980, Stop: 39420, Start Num: 12

Candidate Starts for FugateOSU_46:

(Start: 3 @40064 has 56 MA's), (Start: 4 @40058 has 3 MA's), (Start: 5 @40055 has 1 MA's), (Start: 12 @39980 has 201 MA's), (14, 39911), (15, 39908), (16, 39905), (20, 39851), (23, 39770), (28, 39638), (34, 39431),

Gene: Gareth_46 Start: 39974, Stop: 39420, Start Num: 12

Candidate Starts for Gareth_46:

(Start: 3 @40058 has 56 MA's), (Start: 4 @40052 has 3 MA's), (Start: 5 @40049 has 1 MA's), (Start: 12 @39974 has 201 MA's), (14, 39911), (15, 39908), (16, 39905), (20, 39851), (28, 39638), (32, 39572), (34, 39431),

Gene: GeneCoco_47 Start: 40289, Stop: 39729, Start Num: 12

Candidate Starts for GeneCoco_47:

(Start: 3 @40373 has 56 MA's), (Start: 4 @40367 has 3 MA's), (Start: 5 @40364 has 1 MA's), (Start: 12 @40289 has 201 MA's), (14, 40220), (15, 40217), (16, 40214), (25, 40049), (28, 39947), (34, 39740),

Gene: Giraffe_47 Start: 40067, Stop: 39423, Start Num: 3

Candidate Starts for Giraffe_47:

(Start: 3 @40067 has 56 MA's), (Start: 4 @40061 has 3 MA's), (Start: 5 @40058 has 1 MA's), (Start: 12 @39983 has 201 MA's), (14, 39914), (15, 39911), (16, 39908), (25, 39743), (28, 39641), (34, 39434),

Gene: Gophee_47 Start: 40272, Stop: 39712, Start Num: 12

Candidate Starts for Gophee_47:

(Start: 3 @40356 has 56 MA's), (Start: 4 @40350 has 3 MA's), (Start: 5 @40347 has 1 MA's), (Start: 12 @40272 has 201 MA's), (14, 40203), (15, 40200), (16, 40197), (20, 40143), (28, 39930), (34, 39723),

Gene: Grand2040_46 Start: 39992, Stop: 39438, Start Num: 12

Candidate Starts for Grand2040_46:

(Start: 3 @40076 has 56 MA's), (Start: 4 @40070 has 3 MA's), (Start: 5 @40067 has 1 MA's), (Start: 12 @39992 has 201 MA's), (14, 39929), (15, 39926), (16, 39923), (20, 39869), (28, 39656), (32, 39590), (34, 39449),

Gene: Gwilliam_48 Start: 40278, Stop: 39718, Start Num: 12

Candidate Starts for Gwilliam_48:

(Start: 3 @40362 has 56 MA's), (Start: 4 @40356 has 3 MA's), (Start: 5 @40353 has 1 MA's), (Start: 12 @40278 has 201 MA's), (14, 40209), (15, 40206), (16, 40203), (20, 40149), (28, 39936), (34, 39729),

Gene: Gyarad_0047 Start: 40364, Stop: 39720, Start Num: 3

Candidate Starts for Gyarad_0047:

(Start: 3 @40364 has 56 MA's), (Start: 4 @40358 has 3 MA's), (Start: 5 @40355 has 1 MA's), (Start: 12 @40280 has 201 MA's), (14, 40211), (15, 40208), (16, 40205), (20, 40151), (25, 40040), (28, 39938), (34, 39731),

Gene: HSavage_47 Start: 40284, Stop: 39724, Start Num: 12

Candidate Starts for HSavage_47:

(Start: 3 @40368 has 56 MA's), (Start: 4 @40362 has 3 MA's), (Start: 5 @40359 has 1 MA's), (Start: 12 @40284 has 201 MA's), (14, 40215), (15, 40212), (16, 40209), (20, 40155), (25, 40044), (28, 39942), (34, 39735),

Gene: Haimas_47 Start: 40278, Stop: 39718, Start Num: 12

Candidate Starts for Haimas_47:

(Start: 3 @40362 has 56 MA's), (Start: 4 @40356 has 3 MA's), (Start: 5 @40353 has 1 MA's), (Start: 12 @40278 has 201 MA's), (14, 40209), (15, 40206), (16, 40203), (20, 40149), (28, 39936), (34, 39729),

Gene: Haleema_46 Start: 39992, Stop: 39438, Start Num: 12

Candidate Starts for Haleema_46:

(Start: 3 @40076 has 56 MA's), (Start: 4 @40070 has 3 MA's), (Start: 5 @40067 has 1 MA's), (Start: 12 @39992 has 201 MA's), (14, 39929), (15, 39926), (16, 39923), (20, 39869), (28, 39656), (32, 39590), (34, 39449),

Gene: Hamish_47 Start: 40270, Stop: 39710, Start Num: 12

Candidate Starts for Hamish_47:

(Start: 3 @40354 has 56 MA's), (Start: 4 @40348 has 3 MA's), (Start: 5 @40345 has 1 MA's), (Start: 12 @40270 has 201 MA's), (14, 40201), (15, 40198), (16, 40195), (20, 40141), (28, 39928), (34, 39721),

Gene: Hartsy_47 Start: 40321, Stop: 39761, Start Num: 12

Candidate Starts for Hartsy_47:

(Start: 3 @40405 has 56 MA's), (Start: 4 @40399 has 3 MA's), (Start: 5 @40396 has 1 MA's), (Start: 12 @40321 has 201 MA's), (14, 40252), (15, 40249), (16, 40246), (20, 40192), (28, 39979), (34, 39772),

Gene: Harvey_47 Start: 40380, Stop: 39736, Start Num: 3

Candidate Starts for Harvey_47:

(Start: 3 @40380 has 56 MA's), (Start: 4 @40374 has 3 MA's), (Start: 5 @40371 has 1 MA's), (Start: 12 @40296 has 201 MA's), (14, 40227), (15, 40224), (16, 40221), (25, 40056), (28, 39954), (34, 39747),

Gene: Held_47 Start: 39982, Stop: 39422, Start Num: 12

Candidate Starts for Held_47:

(Start: 3 @40066 has 56 MA's), (Start: 4 @40060 has 3 MA's), (Start: 5 @40057 has 1 MA's), (Start: 12 @39982 has 201 MA's), (14, 39913), (15, 39910), (16, 39907), (25, 39742), (28, 39640), (34,

39433),

Gene: HenryJackson_46 Start: 39992, Stop: 39438, Start Num: 12

Candidate Starts for HenryJackson_46:

(Start: 3 @40076 has 56 MA's), (Start: 4 @40070 has 3 MA's), (Start: 5 @40067 has 1 MA's), (Start: 12 @39992 has 201 MA's), (14, 39929), (15, 39926), (16, 39923), (20, 39869), (28, 39656), (32, 39590), (34, 39449),

Gene: Hertubise_47 Start: 40376, Stop: 39732, Start Num: 3

Candidate Starts for Hertubise_47:

(Start: 3 @40376 has 56 MA's), (Start: 4 @40370 has 3 MA's), (Start: 5 @40367 has 1 MA's), (Start: 12 @40292 has 201 MA's), (14, 40223), (15, 40220), (16, 40217), (25, 40052), (28, 39950), (34, 39743),

Gene: Hetaeria_47 Start: 40294, Stop: 39734, Start Num: 12

Candidate Starts for Hetaeria_47:

(Start: 3 @40378 has 56 MA's), (Start: 4 @40372 has 3 MA's), (Start: 5 @40369 has 1 MA's), (Start: 12 @40294 has 201 MA's), (14, 40225), (15, 40222), (16, 40219), (25, 40054), (28, 39952), (34, 39745),

Gene: HighStump_47 Start: 40119, Stop: 39559, Start Num: 12

Candidate Starts for HighStump_47:

(Start: 3 @40203 has 56 MA's), (Start: 4 @40197 has 3 MA's), (Start: 5 @40194 has 1 MA's), (Start: 12 @40119 has 201 MA's), (14, 40050), (15, 40047), (16, 40044), (20, 39990), (28, 39777),

Gene: Hocus_46 Start: 39981, Stop: 39427, Start Num: 12

Candidate Starts for Hocus_46:

(Start: 3 @40065 has 56 MA's), (Start: 4 @40059 has 3 MA's), (Start: 5 @40056 has 1 MA's), (Start: 12 @39981 has 201 MA's), (14, 39918), (15, 39915), (16, 39912), (20, 39858), (28, 39645), (32, 39579), (34, 39438),

Gene: Horchata_47 Start: 40272, Stop: 39712, Start Num: 12

Candidate Starts for Horchata_47:

(Start: 3 @40356 has 56 MA's), (Start: 4 @40350 has 3 MA's), (Start: 5 @40347 has 1 MA's), (Start: 12 @40272 has 201 MA's), (14, 40203), (15, 40200), (16, 40197), (20, 40143), (28, 39930), (34, 39723),

Gene: ImtiyazSitla_47 Start: 40051, Stop: 39407, Start Num: 3

Candidate Starts for ImtiyazSitla_47:

(Start: 3 @40051 has 56 MA's), (Start: 4 @40045 has 3 MA's), (Start: 5 @40042 has 1 MA's), (Start: 12 @39967 has 201 MA's), (14, 39898), (15, 39895), (16, 39892), (20, 39838), (28, 39625),

Gene: Inchworm_48 Start: 40405, Stop: 39845, Start Num: 12

Candidate Starts for Inchworm_48:

(Start: 3 @40489 has 56 MA's), (Start: 4 @40483 has 3 MA's), (Start: 5 @40480 has 1 MA's), (Start: 12 @40405 has 201 MA's), (14, 40336), (15, 40333), (16, 40330), (20, 40276), (28, 40063),

Gene: Inverness_47 Start: 40365, Stop: 39721, Start Num: 3

Candidate Starts for Inverness_47:

(Start: 3 @40365 has 56 MA's), (Start: 4 @40359 has 3 MA's), (Start: 5 @40356 has 1 MA's), (Start: 12 @40281 has 201 MA's), (14, 40212), (15, 40209), (16, 40206), (20, 40152), (25, 40041), (28, 39939), (34, 39732),

Gene: Iridoclysis_47 Start: 40264, Stop: 39704, Start Num: 12

Candidate Starts for Iridoclysis_47:

(Start: 3 @40348 has 56 MA's), (Start: 4 @40342 has 3 MA's), (Start: 5 @40339 has 1 MA's), (Start: 12 @40264 has 201 MA's), (14, 40195), (15, 40192), (16, 40189), (20, 40135), (28, 39922), (34, 39715),

Gene: IsaacEli_48 Start: 40507, Stop: 39863, Start Num: 3

Candidate Starts for IsaacEli_48:

(Start: 3 @40507 has 56 MA's), (Start: 4 @40501 has 3 MA's), (Start: 5 @40498 has 1 MA's), (Start: 12 @40423 has 201 MA's), (14, 40354), (15, 40351), (16, 40348), (20, 40294), (28, 40081),

Gene: JDog_46 Start: 40001, Stop: 39441, Start Num: 12

Candidate Starts for JDog_46:

(Start: 3 @40085 has 56 MA's), (Start: 4 @40079 has 3 MA's), (Start: 5 @40076 has 1 MA's), (Start: 12 @40001 has 201 MA's), (14, 39932), (15, 39929), (16, 39926), (20, 39872), (25, 39761), (28, 39659), (34, 39452),

Gene: JacAttac_48 Start: 40483, Stop: 39845, Start Num: 4

Candidate Starts for JacAttac_48:

(Start: 3 @40489 has 56 MA's), (Start: 4 @40483 has 3 MA's), (Start: 5 @40480 has 1 MA's), (Start: 12 @40405 has 201 MA's), (14, 40336), (15, 40333), (16, 40330), (20, 40276), (28, 40063),

Gene: JakeO_46 Start: 40000, Stop: 39440, Start Num: 12

Candidate Starts for JakeO_46:

(Start: 3 @40084 has 56 MA's), (Start: 4 @40078 has 3 MA's), (Start: 5 @40075 has 1 MA's), (Start: 12 @40000 has 201 MA's), (14, 39931), (15, 39928), (16, 39925), (20, 39871), (28, 39658), (34, 39451),

Gene: JangoPhett_47 Start: 40275, Stop: 39715, Start Num: 12

Candidate Starts for JangoPhett_47:

(Start: 3 @40359 has 56 MA's), (Start: 4 @40353 has 3 MA's), (Start: 5 @40350 has 1 MA's), (Start: 12 @40275 has 201 MA's), (14, 40206), (15, 40203), (16, 40200), (25, 40035), (28, 39933), (34, 39726),

Gene: Jillium_46 Start: 39994, Stop: 39434, Start Num: 12

Candidate Starts for Jillium_46:

(Start: 3 @40078 has 56 MA's), (Start: 4 @40072 has 3 MA's), (Start: 5 @40069 has 1 MA's), (Start: 12 @39994 has 201 MA's), (14, 39925), (15, 39922), (16, 39919), (25, 39754), (28, 39652), (34, 39445),

Gene: Jiminy_46 Start: 39835, Stop: 39275, Start Num: 12

Candidate Starts for Jiminy_46:

(Start: 3 @39919 has 56 MA's), (Start: 4 @39913 has 3 MA's), (Start: 5 @39910 has 1 MA's), (Start: 12 @39835 has 201 MA's), (14, 39766), (15, 39763), (16, 39760), (20, 39706), (28, 39493), (34, 39286),

Gene: Jiraiya_48 Start: 39988, Stop: 39428, Start Num: 12

Candidate Starts for Jiraiya_48:

(Start: 3 @40072 has 56 MA's), (Start: 4 @40066 has 3 MA's), (Start: 5 @40063 has 1 MA's), (Start: 12 @39988 has 201 MA's), (14, 39919), (15, 39916), (16, 39913), (20, 39859), (28, 39646), (34, 39439),

Gene: KLUcky39_47 Start: 40279, Stop: 39719, Start Num: 12

Candidate Starts for KLucky39_47:

(Start: 3 @40363 has 56 MA's), (Start: 4 @40357 has 3 MA's), (Start: 5 @40354 has 1 MA's), (Start: 12 @40279 has 201 MA's), (14, 40210), (15, 40207), (16, 40204), (20, 40150), (25, 40039), (28, 39937), (34, 39730),

Gene: Kahve_46 Start: 39989, Stop: 39435, Start Num: 12

Candidate Starts for Kahve_46:

(Start: 3 @40073 has 56 MA's), (Start: 4 @40067 has 3 MA's), (Start: 5 @40064 has 1 MA's), (Start: 12 @39989 has 201 MA's), (14, 39926), (15, 39923), (16, 39920), (20, 39866), (28, 39653), (32, 39587), (34, 39446),

Gene: Kailash_47 Start: 40336, Stop: 39776, Start Num: 12

Candidate Starts for Kailash_47:

(Start: 3 @40420 has 56 MA's), (Start: 4 @40414 has 3 MA's), (Start: 5 @40411 has 1 MA's), (Start: 12 @40336 has 201 MA's), (15, 40264), (16, 40261), (20, 40207), (25, 40096), (28, 39994), (34, 39787),

Gene: Katniss_48 Start: 40432, Stop: 39872, Start Num: 12

Candidate Starts for Katniss_48:

(Start: 3 @40516 has 56 MA's), (Start: 4 @40510 has 3 MA's), (Start: 5 @40507 has 1 MA's), (Start: 12 @40432 has 201 MA's), (14, 40363), (15, 40360), (16, 40357), (20, 40303), (28, 40090),

Gene: Keitherie_47 Start: 40335, Stop: 39775, Start Num: 12

Candidate Starts for Keitherie_47:

(Start: 3 @40419 has 56 MA's), (Start: 4 @40413 has 3 MA's), (Start: 5 @40410 has 1 MA's), (Start: 12 @40335 has 201 MA's), (14, 40266), (15, 40263), (16, 40260), (20, 40206), (28, 39993), (34, 39786),

Gene: Kikipoo_48 Start: 40507, Stop: 39863, Start Num: 3

Candidate Starts for Kikipoo_48:

(Start: 3 @40507 has 56 MA's), (Start: 4 @40501 has 3 MA's), (Start: 5 @40498 has 1 MA's), (Start: 12 @40423 has 201 MA's), (14, 40354), (15, 40351), (16, 40348), (20, 40294), (28, 40081),

Gene: Kimbrough_47 Start: 39996, Stop: 39436, Start Num: 12

Candidate Starts for Kimbrough_47:

(Start: 3 @40080 has 56 MA's), (Start: 4 @40074 has 3 MA's), (Start: 5 @40071 has 1 MA's), (Start: 12 @39996 has 201 MA's), (14, 39927), (15, 39924), (16, 39921), (20, 39867), (28, 39654), (34, 39447),

Gene: KingTut_38 Start: 35659, Stop: 35099, Start Num: 12

Candidate Starts for KingTut_38:

(Start: 3 @35743 has 56 MA's), (Start: 4 @35737 has 3 MA's), (Start: 5 @35734 has 1 MA's), (Start: 12 @35659 has 201 MA's), (14, 35590), (15, 35587), (16, 35584), (20, 35530), (28, 35317), (34, 35110),

Gene: KingVeVeVe_47 Start: 40266, Stop: 39706, Start Num: 12

Candidate Starts for KingVeVeVe_47:

(Start: 10 @40308 has 1 MA's), (Start: 12 @40266 has 201 MA's), (14, 40197), (15, 40194), (16, 40191), (20, 40137), (28, 39924), (34, 39717),

Gene: KlimbOn_47 Start: 40357, Stop: 39713, Start Num: 3

Candidate Starts for KlimbOn_47:

(Start: 3 @40357 has 56 MA's), (Start: 4 @40351 has 3 MA's), (Start: 5 @40348 has 1 MA's), (Start: 12 @40273 has 201 MA's), (14, 40204), (15, 40201), (16, 40198), (20, 40144), (25, 40033), (28, 39931), (34, 39724),

Gene: Kloppinator_47 Start: 40299, Stop: 39739, Start Num: 12

Candidate Starts for Kloppinator_47:

(2, 40392), (Start: 4 @40377 has 3 MA's), (Start: 5 @40374 has 1 MA's), (Start: 12 @40299 has 201 MA's), (14, 40230), (15, 40227), (16, 40224), (25, 40059), (28, 39957), (34, 39750),

Gene: Kwadwo_46 Start: 39971, Stop: 39417, Start Num: 12

Candidate Starts for Kwadwo_46:

(Start: 3 @40055 has 56 MA's), (Start: 4 @40049 has 3 MA's), (Start: 5 @40046 has 1 MA's), (Start: 12 @39971 has 201 MA's), (14, 39908), (15, 39905), (16, 39902), (20, 39848), (28, 39635), (32, 39569), (34, 39428),

Gene: Kwksand96_46 Start: 39846, Stop: 39286, Start Num: 12

Candidate Starts for Kwksand96_46:

(Start: 3 @39930 has 56 MA's), (Start: 4 @39924 has 3 MA's), (Start: 5 @39921 has 1 MA's), (Start: 12 @39846 has 201 MA's), (14, 39777), (15, 39774), (16, 39771), (25, 39606), (28, 39504), (34, 39297),

Gene: Labeouficaum_46 Start: 39841, Stop: 39281, Start Num: 12

Candidate Starts for Labeouficaum_46:

(Start: 3 @39925 has 56 MA's), (Start: 4 @39919 has 3 MA's), (Start: 5 @39916 has 1 MA's), (Start: 12 @39841 has 201 MA's), (14, 39772), (15, 39769), (16, 39766), (25, 39601), (28, 39499), (34, 39292),

Gene: LasagnaCat_48 Start: 40417, Stop: 39857, Start Num: 12

Candidate Starts for LasagnaCat_48:

(Start: 3 @40501 has 56 MA's), (Start: 4 @40495 has 3 MA's), (Start: 5 @40492 has 1 MA's), (Start: 12 @40417 has 201 MA's), (14, 40348), (15, 40345), (16, 40342), (20, 40288), (28, 40075),

Gene: Lasso_47 Start: 40246, Stop: 39692, Start Num: 12

Candidate Starts for Lasso_47:

(Start: 3 @40330 has 56 MA's), (Start: 4 @40324 has 3 MA's), (Start: 5 @40321 has 1 MA's), (Start: 12 @40246 has 201 MA's), (14, 40183), (15, 40180), (16, 40177), (20, 40123), (28, 39910), (32, 39844), (34, 39703),

Gene: LeeLot_47 Start: 40367, Stop: 39723, Start Num: 3

Candidate Starts for LeeLot_47:

(Start: 3 @40367 has 56 MA's), (Start: 4 @40361 has 3 MA's), (Start: 5 @40358 has 1 MA's), (Start: 12 @40283 has 201 MA's), (14, 40214), (15, 40211), (16, 40208), (25, 40043), (28, 39941), (34, 39734),

Gene: Lego3393_46 Start: 40426, Stop: 39866, Start Num: 12

Candidate Starts for Lego3393_46:

(Start: 3 @40510 has 56 MA's), (Start: 4 @40504 has 3 MA's), (Start: 5 @40501 has 1 MA's), (Start: 12 @40426 has 201 MA's), (14, 40357), (15, 40354), (16, 40351), (20, 40297), (28, 40084),

Gene: Legolas_47 Start: 40016, Stop: 39462, Start Num: 12

Candidate Starts for Legolas_47:

(Start: 3 @40100 has 56 MA's), (Start: 4 @40094 has 3 MA's), (Start: 5 @40091 has 1 MA's), (Start: 12 @40016 has 201 MA's), (14, 39953), (15, 39950), (16, 39947), (20, 39893), (28, 39680), (32,

39614), (34, 39473),

Gene: LeiMonet_48 Start: 39978, Stop: 39424, Start Num: 12

Candidate Starts for LeiMonet_48:

(Start: 3 @40062 has 56 MA's), (Start: 4 @40056 has 3 MA's), (Start: 5 @40053 has 1 MA's), (Start: 12 @39978 has 201 MA's), (14, 39915), (15, 39912), (16, 39909), (20, 39855), (28, 39642), (34, 39435),

Gene: LemonSlice_47 Start: 39983, Stop: 39423, Start Num: 12

Candidate Starts for LemonSlice_47:

(Start: 3 @40067 has 56 MA's), (Start: 4 @40061 has 3 MA's), (Start: 5 @40058 has 1 MA's), (Start: 12 @39983 has 201 MA's), (14, 39914), (15, 39911), (16, 39908), (25, 39743), (28, 39641), (34, 39434),

Gene: Longacauda_46 Start: 39979, Stop: 39425, Start Num: 12

Candidate Starts for Longacauda_46:

(Start: 3 @40063 has 56 MA's), (Start: 4 @40057 has 3 MA's), (Start: 5 @40054 has 1 MA's), (Start: 12 @39979 has 201 MA's), (14, 39916), (15, 39913), (16, 39910), (20, 39856), (28, 39643), (32, 39577), (34, 39436),

Gene: Lopsy_46 Start: 39916, Stop: 39278, Start Num: 3

Candidate Starts for Lopsy_46:

(Start: 3 @39916 has 56 MA's), (Start: 4 @39910 has 3 MA's), (Start: 5 @39907 has 1 MA's), (Start: 12 @39832 has 201 MA's), (14, 39769), (15, 39766), (16, 39763), (25, 39598), (28, 39496), (34, 39289),

Gene: LostAndPhound_46 Start: 39986, Stop: 39426, Start Num: 12

Candidate Starts for LostAndPhound_46:

(Start: 3 @40070 has 56 MA's), (Start: 4 @40064 has 3 MA's), (Start: 5 @40061 has 1 MA's), (Start: 12 @39986 has 201 MA's), (14, 39917), (15, 39914), (16, 39911), (28, 39644), (32, 39578), (34, 39437),

Gene: LuckyMarjie_46 Start: 39986, Stop: 39432, Start Num: 12

Candidate Starts for LuckyMarjie_46:

(Start: 3 @40070 has 56 MA's), (Start: 4 @40064 has 3 MA's), (Start: 5 @40061 has 1 MA's), (Start: 12 @39986 has 201 MA's), (14, 39923), (15, 39920), (16, 39917), (20, 39863), (28, 39650), (32, 39584), (34, 39443),

Gene: Lulumae_46 Start: 40055, Stop: 39417, Start Num: 3

Candidate Starts for Lulumae_46:

(Start: 3 @40055 has 56 MA's), (Start: 4 @40049 has 3 MA's), (Start: 5 @40046 has 1 MA's), (Start: 12 @39971 has 201 MA's), (14, 39908), (15, 39905), (16, 39902), (20, 39848), (28, 39635), (32, 39569), (34, 39428),

Gene: Lulwa_47 Start: 40264, Stop: 39704, Start Num: 12

Candidate Starts for Lulwa_47:

(Start: 3 @40348 has 56 MA's), (Start: 4 @40342 has 3 MA's), (Start: 5 @40339 has 1 MA's), (Start: 12 @40264 has 201 MA's), (14, 40195), (15, 40192), (16, 40189), (20, 40135), (25, 40024), (28, 39922), (34, 39715),

Gene: Lumine_46 Start: 39967, Stop: 39413, Start Num: 12

Candidate Starts for Lumine_46:

(Start: 3 @40051 has 56 MA's), (Start: 4 @40045 has 3 MA's), (Start: 5 @40042 has 1 MA's), (Start: 12 @39967 has 201 MA's), (14, 39904), (15, 39901), (16, 39898), (20, 39844), (28, 39631), (32, 39565), (34, 39424),

Gene: MRabcd_46 Start: 39977, Stop: 39417, Start Num: 12

Candidate Starts for MRabcd_46:

(Start: 3 @40061 has 56 MA's), (Start: 4 @40055 has 3 MA's), (Start: 5 @40052 has 1 MA's), (Start: 12 @39977 has 201 MA's), (14, 39908), (15, 39905), (16, 39902), (20, 39848), (28, 39635), (34, 39428),

Gene: Mag7_46 Start: 39886, Stop: 39326, Start Num: 12

Candidate Starts for Mag7_46:

(Start: 3 @39970 has 56 MA's), (Start: 4 @39964 has 3 MA's), (Start: 5 @39961 has 1 MA's), (Start: 12 @39886 has 201 MA's), (15, 39814), (16, 39811), (20, 39757), (25, 39646), (28, 39544), (34, 39337),

Gene: Magic8_47 Start: 40321, Stop: 39761, Start Num: 12

Candidate Starts for Magic8_47:

(Start: 3 @40405 has 56 MA's), (Start: 4 @40399 has 3 MA's), (Start: 5 @40396 has 1 MA's), (Start: 12 @40321 has 201 MA's), (15, 40249), (16, 40246), (20, 40192), (25, 40081), (28, 39979), (34, 39772),

Gene: Mana_46 Start: 39986, Stop: 39432, Start Num: 12

Candidate Starts for Mana_46:

(Start: 3 @40070 has 56 MA's), (Start: 5 @40061 has 1 MA's), (Start: 12 @39986 has 201 MA's), (14, 39923), (15, 39920), (16, 39917), (20, 39863), (28, 39650), (32, 39584), (34, 39443),

Gene: Manad_46 Start: 39912, Stop: 39277, Start Num: 5

Candidate Starts for Manad_46:

(1, 40035), (2, 39930), (Start: 4 @39915 has 3 MA's), (Start: 5 @39912 has 1 MA's), (Start: 12 @39837 has 201 MA's), (14, 39768), (15, 39765), (16, 39762), (25, 39597), (28, 39495), (34, 39288),

Gene: Maru_46 Start: 39929, Stop: 39375, Start Num: 12

Candidate Starts for Maru_46:

(Start: 3 @40013 has 56 MA's), (Start: 4 @40007 has 3 MA's), (Start: 5 @40004 has 1 MA's), (Start: 12 @39929 has 201 MA's), (14, 39866), (15, 39863), (16, 39860), (20, 39806), (28, 39593), (32, 39527), (34, 39386),

Gene: Maskar_47 Start: 40051, Stop: 39407, Start Num: 3

Candidate Starts for Maskar_47:

(Start: 3 @40051 has 56 MA's), (Start: 4 @40045 has 3 MA's), (Start: 5 @40042 has 1 MA's), (Start: 12 @39967 has 201 MA's), (14, 39898), (15, 39895), (16, 39892), (20, 39838), (28, 39625),

Gene: Matalotodo_47 Start: 40281, Stop: 39721, Start Num: 12

Candidate Starts for Matalotodo_47:

(Start: 3 @40365 has 56 MA's), (Start: 4 @40359 has 3 MA's), (Start: 5 @40356 has 1 MA's), (Start: 12 @40281 has 201 MA's), (14, 40212), (15, 40209), (16, 40206), (25, 40041), (28, 39939), (34, 39732),

Gene: Mcshane_46 Start: 40062, Stop: 39418, Start Num: 3

Candidate Starts for Mcshane_46:

(Start: 3 @40062 has 56 MA's), (Start: 4 @40056 has 3 MA's), (Start: 5 @40053 has 1 MA's), (Start: 12 @39978 has 201 MA's), (14, 39909), (15, 39906), (16, 39903), (20, 39849), (28, 39636), (34,

39429),

Gene: Mecca_46 Start: 39984, Stop: 39424, Start Num: 12

Candidate Starts for Mecca_46:

(Start: 3 @40068 has 56 MA's), (Start: 4 @40062 has 3 MA's), (Start: 5 @40059 has 1 MA's), (Start: 12 @39984 has 201 MA's), (14, 39915), (15, 39912), (16, 39909), (20, 39855), (28, 39642), (34, 39435),

Gene: Megamind20_47 Start: 40006, Stop: 39446, Start Num: 12

Candidate Starts for Megamind20_47:

(Start: 3 @40090 has 56 MA's), (Start: 4 @40084 has 3 MA's), (Start: 5 @40081 has 1 MA's), (Start: 12 @40006 has 201 MA's), (14, 39937), (15, 39934), (16, 39931), (20, 39877), (28, 39664), (34, 39457),

Gene: Megatron_48 Start: 40498, Stop: 39854, Start Num: 3

Candidate Starts for Megatron_48:

(Start: 3 @40498 has 56 MA's), (Start: 4 @40492 has 3 MA's), (Start: 5 @40489 has 1 MA's), (Start: 12 @40414 has 201 MA's), (14, 40345), (15, 40342), (16, 40339), (20, 40285), (28, 40072),

Gene: Melc17_47 Start: 40360, Stop: 39716, Start Num: 3

Candidate Starts for Melc17_47:

(Start: 3 @40360 has 56 MA's), (Start: 4 @40354 has 3 MA's), (Start: 5 @40351 has 1 MA's), (Start: 12 @40276 has 201 MA's), (14, 40207), (15, 40204), (16, 40201), (20, 40147), (25, 40036), (28, 39934), (34, 39727),

Gene: MelsMeow_47 Start: 40017, Stop: 39457, Start Num: 12

Candidate Starts for MelsMeow_47:

(Start: 3 @40101 has 56 MA's), (Start: 4 @40095 has 3 MA's), (Start: 5 @40092 has 1 MA's), (Start: 12 @40017 has 201 MA's), (14, 39948), (15, 39945), (16, 39942), (20, 39888), (28, 39675),

Gene: Mesh1_47 Start: 40293, Stop: 39733, Start Num: 12

Candidate Starts for Mesh1_47:

(Start: 3 @40377 has 56 MA's), (Start: 4 @40371 has 3 MA's), (Start: 5 @40368 has 1 MA's), (Start: 12 @40293 has 201 MA's), (14, 40224), (15, 40221), (16, 40218), (25, 40053), (28, 39951), (34, 39744),

Gene: MichaelPhcott_46 Start: 39883, Stop: 39323, Start Num: 12

Candidate Starts for MichaelPhcott_46:

(Start: 3 @39967 has 56 MA's), (Start: 4 @39961 has 3 MA's), (Start: 5 @39958 has 1 MA's), (Start: 12 @39883 has 201 MA's), (15, 39811), (16, 39808), (20, 39754), (25, 39643), (28, 39541), (34, 39334),

Gene: Mikota_47 Start: 40263, Stop: 39703, Start Num: 12

Candidate Starts for Mikota_47:

(Start: 10 @40305 has 1 MA's), (Start: 12 @40263 has 201 MA's), (14, 40194), (15, 40191), (16, 40188), (20, 40134), (28, 39921), (34, 39714),

Gene: MiniBoss_47 Start: 40269, Stop: 39709, Start Num: 12

Candidate Starts for MiniBoss_47:

(Start: 10 @40311 has 1 MA's), (Start: 12 @40269 has 201 MA's), (14, 40200), (15, 40197), (16, 40194), (28, 39927), (32, 39861), (34, 39720),

Gene: MitKao_47 Start: 39984, Stop: 39424, Start Num: 12

Candidate Starts for MitKao_47:

(Start: 3 @40068 has 56 MA's), (Start: 4 @40062 has 3 MA's), (Start: 5 @40059 has 1 MA's), (Start: 12 @39984 has 201 MA's), (14, 39915), (15, 39912), (16, 39909), (25, 39744), (28, 39642), (34, 39435),

Gene: Morgushi_47 Start: 39985, Stop: 39425, Start Num: 12

Candidate Starts for Morgushi_47:

(Start: 3 @40069 has 56 MA's), (Start: 4 @40063 has 3 MA's), (Start: 5 @40060 has 1 MA's), (Start: 12 @39985 has 201 MA's), (14, 39916), (15, 39913), (16, 39910), (20, 39856), (28, 39643), (32, 39577), (34, 39436),

Gene: Morty_48 Start: 40423, Stop: 39863, Start Num: 12

Candidate Starts for Morty_48:

(Start: 3 @40507 has 56 MA's), (Start: 4 @40501 has 3 MA's), (Start: 5 @40498 has 1 MA's), (Start: 12 @40423 has 201 MA's), (14, 40354), (15, 40351), (16, 40348), (20, 40294), (28, 40081),

Gene: Mosaic_46 Start: 40062, Stop: 39418, Start Num: 3

Candidate Starts for Mosaic_46:

(Start: 3 @40062 has 56 MA's), (Start: 4 @40056 has 3 MA's), (Start: 5 @40053 has 1 MA's), (Start: 12 @39978 has 201 MA's), (14, 39909), (15, 39906), (16, 39903), (25, 39738), (28, 39636), (34, 39429),

Gene: MrPhizzler_46 Start: 39987, Stop: 39433, Start Num: 12

Candidate Starts for MrPhizzler_46:

(Start: 3 @40071 has 56 MA's), (Start: 4 @40065 has 3 MA's), (Start: 5 @40062 has 1 MA's), (Start: 12 @39987 has 201 MA's), (14, 39924), (15, 39921), (16, 39918), (20, 39864), (28, 39651), (32, 39585), (34, 39444),

Gene: Mulan_47 Start: 40140, Stop: 39580, Start Num: 12

Candidate Starts for Mulan_47:

(Start: 3 @40224 has 56 MA's), (Start: 4 @40218 has 3 MA's), (Start: 5 @40215 has 1 MA's), (Start: 12 @40140 has 201 MA's), (14, 40071), (15, 40068), (16, 40065), (20, 40011), (28, 39798),

Gene: Murdoc_47 Start: 40355, Stop: 39717, Start Num: 3

Candidate Starts for Murdoc_47:

(Start: 3 @40355 has 56 MA's), (Start: 4 @40349 has 3 MA's), (Start: 5 @40346 has 1 MA's), (Start: 12 @40271 has 201 MA's), (14, 40208), (15, 40205), (16, 40202), (20, 40148), (28, 39935), (32, 39869), (34, 39728),

Gene: Mutante_46 Start: 39990, Stop: 39430, Start Num: 12

Candidate Starts for Mutante_46:

(Start: 3 @40074 has 56 MA's), (Start: 4 @40068 has 3 MA's), (Start: 5 @40065 has 1 MA's), (Start: 12 @39990 has 201 MA's), (14, 39921), (15, 39918), (16, 39915), (20, 39861), (28, 39648), (34, 39441),

Gene: Nacho_0048 Start: 40501, Stop: 39857, Start Num: 3

Candidate Starts for Nacho_0048:

(Start: 3 @40501 has 56 MA's), (Start: 4 @40495 has 3 MA's), (Start: 5 @40492 has 1 MA's), (Start: 12 @40417 has 201 MA's), (14, 40348), (15, 40345), (16, 40342), (20, 40288), (28, 40075),

Gene: Newman_47 Start: 40360, Stop: 39716, Start Num: 3

Candidate Starts for Newman_47:

(Start: 3 @40360 has 56 MA's), (Start: 4 @40354 has 3 MA's), (Start: 5 @40351 has 1 MA's), (Start: 12 @40276 has 201 MA's), (14, 40207), (15, 40204), (16, 40201), (20, 40147), (25, 40036), (28, 39934), (34, 39727),

Gene: Nicole21_47 Start: 40277, Stop: 39717, Start Num: 12

Candidate Starts for Nicole21_47:

(Start: 3 @40361 has 56 MA's), (Start: 4 @40355 has 3 MA's), (Start: 5 @40352 has 1 MA's), (Start: 12 @40277 has 201 MA's), (15, 40205), (16, 40202), (20, 40148), (25, 40037), (28, 39935), (34, 39728),

Gene: Numberten_47 Start: 40283, Stop: 39723, Start Num: 12

Candidate Starts for Numberten_47:

(Start: 3 @40367 has 56 MA's), (Start: 4 @40361 has 3 MA's), (Start: 5 @40358 has 1 MA's), (Start: 12 @40283 has 201 MA's), (14, 40214), (15, 40211), (16, 40208), (20, 40154), (25, 40043), (28, 39941), (34, 39734),

Gene: Nyala_46 Start: 40066, Stop: 39422, Start Num: 3

Candidate Starts for Nyala_46:

(Start: 3 @40066 has 56 MA's), (Start: 4 @40060 has 3 MA's), (Start: 5 @40057 has 1 MA's), (Start: 12 @39982 has 201 MA's), (14, 39913), (15, 39910), (16, 39907), (25, 39742), (28, 39640), (34, 39433),

Gene: OSmaximus_48 Start: 40540, Stop: 39896, Start Num: 3

Candidate Starts for OSmaximus_48:

(Start: 3 @40540 has 56 MA's), (Start: 4 @40534 has 3 MA's), (Start: 5 @40531 has 1 MA's), (Start: 12 @40456 has 201 MA's), (14, 40387), (15, 40384), (16, 40381), (20, 40327), (28, 40114),

Gene: Olak_46 Start: 39985, Stop: 39425, Start Num: 12

Candidate Starts for Olak_46:

(Start: 3 @40069 has 56 MA's), (Start: 4 @40063 has 3 MA's), (Start: 5 @40060 has 1 MA's), (Start: 12 @39985 has 201 MA's), (14, 39916), (15, 39913), (16, 39910), (28, 39643), (34, 39436),

Gene: Oline_46 Start: 39845, Stop: 39285, Start Num: 12

Candidate Starts for Oline_46:

(Start: 3 @39929 has 56 MA's), (Start: 4 @39923 has 3 MA's), (Start: 5 @39920 has 1 MA's), (Start: 12 @39845 has 201 MA's), (14, 39776), (15, 39773), (16, 39770), (20, 39716), (25, 39605), (28, 39503), (34, 39296),

Gene: Olive_47 Start: 40356, Stop: 39712, Start Num: 3

Candidate Starts for Olive_47:

(Start: 3 @40356 has 56 MA's), (Start: 4 @40350 has 3 MA's), (Start: 5 @40347 has 1 MA's), (Start: 12 @40272 has 201 MA's), (14, 40203), (15, 40200), (16, 40197), (20, 40143), (28, 39930), (34, 39723),

Gene: OliverWalter_47 Start: 40378, Stop: 39734, Start Num: 3

Candidate Starts for OliverWalter_47:

(Start: 3 @40378 has 56 MA's), (Start: 4 @40372 has 3 MA's), (Start: 5 @40369 has 1 MA's), (Start: 12 @40294 has 201 MA's), (14, 40225), (15, 40222), (16, 40219), (20, 40165), (28, 39952), (34, 39745),

Gene: Omniscient_47 Start: 40291, Stop: 39731, Start Num: 12

Candidate Starts for Omniscient_47:

(Start: 3 @40375 has 56 MA's), (Start: 4 @40369 has 3 MA's), (Start: 5 @40366 has 1 MA's), (Start: 12 @40291 has 201 MA's), (14, 40222), (15, 40219), (16, 40216), (20, 40162), (28, 39949), (34, 39742),

Gene: Oosterbaan_47 Start: 40363, Stop: 39719, Start Num: 3

Candidate Starts for Oosterbaan_47:

(Start: 3 @40363 has 56 MA's), (Start: 4 @40357 has 3 MA's), (Start: 5 @40354 has 1 MA's), (Start: 12 @40279 has 201 MA's), (14, 40210), (15, 40207), (16, 40204), (25, 40039), (28, 39937), (34, 39730),

Gene: Orfeu_46 Start: 39978, Stop: 39424, Start Num: 12

Candidate Starts for Orfeu_46:

(Start: 3 @40062 has 56 MA's), (Start: 4 @40056 has 3 MA's), (Start: 5 @40053 has 1 MA's), (Start: 12 @39978 has 201 MA's), (14, 39915), (15, 39912), (16, 39909), (20, 39855), (28, 39642), (32, 39576), (34, 39435),

Gene: Orion_48 Start: 40412, Stop: 39852, Start Num: 12

Candidate Starts for Orion_48:

(Start: 3 @40496 has 56 MA's), (Start: 4 @40490 has 3 MA's), (Start: 5 @40487 has 1 MA's), (Start: 12 @40412 has 201 MA's), (14, 40343), (15, 40340), (16, 40337), (20, 40283), (28, 40070),

Gene: Orwigg_47 Start: 40062, Stop: 39418, Start Num: 3

Candidate Starts for Orwigg_47:

(Start: 3 @40062 has 56 MA's), (Start: 4 @40056 has 3 MA's), (Start: 5 @40053 has 1 MA's), (Start: 12 @39978 has 201 MA's), (14, 39909), (15, 39906), (16, 39903), (20, 39849), (25, 39738), (28, 39636), (34, 39429),

Gene: PG1_48 Start: 40425, Stop: 39865, Start Num: 12

Candidate Starts for PG1_48:

(Start: 3 @40509 has 56 MA's), (Start: 4 @40503 has 3 MA's), (Start: 5 @40500 has 1 MA's), (Start: 12 @40425 has 201 MA's), (14, 40356), (15, 40353), (16, 40350), (20, 40296), (28, 40083),

Gene: Pacifista_46 Start: 39981, Stop: 39421, Start Num: 12

Candidate Starts for Pacifista_46:

(Start: 3 @40065 has 56 MA's), (Start: 4 @40059 has 3 MA's), (Start: 5 @40056 has 1 MA's), (Start: 12 @39981 has 201 MA's), (14, 39912), (15, 39909), (16, 39906), (25, 39741), (28, 39639), (34, 39432),

Gene: Phamished_48 Start: 40420, Stop: 39860, Start Num: 12

Candidate Starts for Phamished_48:

(Start: 3 @40504 has 56 MA's), (Start: 4 @40498 has 3 MA's), (Start: 5 @40495 has 1 MA's), (Start: 12 @40420 has 201 MA's), (14, 40351), (15, 40348), (16, 40345), (20, 40291), (28, 40078),

Gene: Phareon_47 Start: 39980, Stop: 39426, Start Num: 12

Candidate Starts for Phareon_47:

(Start: 3 @40064 has 56 MA's), (Start: 4 @40058 has 3 MA's), (Start: 5 @40055 has 1 MA's), (Start: 12 @39980 has 201 MA's), (14, 39917), (15, 39914), (16, 39911), (20, 39857), (28, 39644), (32, 39578), (34, 39437),

Gene: PhatCats2014_48 Start: 40429, Stop: 39869, Start Num: 12

Candidate Starts for PhatCats2014_48:

(Start: 3 @40513 has 56 MA's), (Start: 4 @40507 has 3 MA's), (Start: 5 @40504 has 1 MA's), (Start: 12 @40429 has 201 MA's), (14, 40360), (15, 40357), (16, 40354), (20, 40300), (28, 40087),

Gene: PhatLouie_47 Start: 40283, Stop: 39723, Start Num: 12

Candidate Starts for PhatLouie_47:

(Start: 3 @40367 has 56 MA's), (Start: 4 @40361 has 3 MA's), (Start: 5 @40358 has 1 MA's), (Start: 12 @40283 has 201 MA's), (14, 40214), (15, 40211), (16, 40208), (25, 40043), (28, 39941), (34, 39734),

Gene: PhenghisKhan_46 Start: 39973, Stop: 39329, Start Num: 3

Candidate Starts for PhenghisKhan_46:

(Start: 3 @39973 has 56 MA's), (Start: 4 @39967 has 3 MA's), (Start: 5 @39964 has 1 MA's), (Start: 12 @39889 has 201 MA's), (14, 39820), (15, 39817), (16, 39814), (20, 39760), (28, 39547), (34, 39340),

Gene: Pherdinand_48 Start: 40420, Stop: 39860, Start Num: 12

Candidate Starts for Pherdinand_48:

(Start: 3 @40504 has 56 MA's), (Start: 4 @40498 has 3 MA's), (Start: 5 @40495 has 1 MA's), (Start: 12 @40420 has 201 MA's), (14, 40351), (15, 40348), (16, 40345), (20, 40291), (28, 40078),

Gene: Phergie_46 Start: 39964, Stop: 39320, Start Num: 3

Candidate Starts for Phergie_46:

(Start: 3 @39964 has 56 MA's), (Start: 4 @39958 has 3 MA's), (Start: 5 @39955 has 1 MA's), (Start: 12 @39880 has 201 MA's), (14, 39811), (15, 39808), (16, 39805), (20, 39751), (28, 39538), (34, 39331),

Gene: Phleuron_46 Start: 39970, Stop: 39326, Start Num: 3

Candidate Starts for Phleuron_46:

(Start: 3 @39970 has 56 MA's), (Start: 4 @39964 has 3 MA's), (Start: 5 @39961 has 1 MA's), (Start: 12 @39886 has 201 MA's), (15, 39814), (16, 39811), (20, 39757), (25, 39646), (28, 39544), (34, 39337),

Gene: PhrankReynolds_45 Start: 39970, Stop: 39326, Start Num: 3

Candidate Starts for PhrankReynolds_45:

(Start: 3 @39970 has 56 MA's), (Start: 4 @39964 has 3 MA's), (Start: 5 @39961 has 1 MA's), (Start: 12 @39886 has 201 MA's), (14, 39817), (15, 39814), (16, 39811), (20, 39757), (28, 39544), (34, 39337),

Gene: PhrodoBaggins_47 Start: 40408, Stop: 39848, Start Num: 12

Candidate Starts for PhrodoBaggins_47:

(Start: 3 @40492 has 56 MA's), (Start: 4 @40486 has 3 MA's), (Start: 5 @40483 has 1 MA's), (Start: 12 @40408 has 201 MA's), (14, 40339), (15, 40336), (16, 40333), (20, 40279), (28, 40066),

Gene: Phunky_47 Start: 40277, Stop: 39723, Start Num: 12

Candidate Starts for Phunky_47:

(Start: 3 @40361 has 56 MA's), (Start: 4 @40355 has 3 MA's), (Start: 5 @40352 has 1 MA's), (Start: 12 @40277 has 201 MA's), (14, 40214), (15, 40211), (16, 40208), (20, 40154), (28, 39941), (34, 39734),

Gene: Piglet_0046 Start: 40390, Stop: 39830, Start Num: 12

Candidate Starts for Piglet_0046:

(Start: 3 @40474 has 56 MA's), (Start: 4 @40468 has 3 MA's), (Start: 5 @40465 has 1 MA's), (Start: 12 @40390 has 201 MA's), (14, 40321), (15, 40318), (16, 40315), (20, 40261), (25, 40150), (28, 40048), (34, 39841),

Gene: PinheadLarry_47 Start: 39990, Stop: 39436, Start Num: 12

Candidate Starts for PinheadLarry_47:

(Start: 3 @40074 has 56 MA's), (Start: 4 @40068 has 3 MA's), (Start: 5 @40065 has 1 MA's), (Start: 12 @39990 has 201 MA's), (14, 39927), (15, 39924), (16, 39921), (20, 39867), (28, 39654), (32, 39588), (34, 39447),

Gene: Pinkman_46 Start: 39839, Stop: 39279, Start Num: 12

Candidate Starts for Pinkman_46:

(Start: 3 @39923 has 56 MA's), (Start: 4 @39917 has 3 MA's), (Start: 5 @39914 has 1 MA's), (Start: 12 @39839 has 201 MA's), (14, 39770), (15, 39767), (16, 39764), (25, 39599), (28, 39497), (34, 39290),

Gene: Pipsqueak_47 Start: 40368, Stop: 39724, Start Num: 3

Candidate Starts for Pipsqueak_47:

(Start: 3 @40368 has 56 MA's), (Start: 4 @40362 has 3 MA's), (Start: 5 @40359 has 1 MA's), (Start: 12 @40284 has 201 MA's), (14, 40215), (15, 40212), (16, 40209), (20, 40155), (28, 39942), (34, 39735),

Gene: Placalicious_46 Start: 39977, Stop: 39417, Start Num: 12

Candidate Starts for Placalicious_46:

(Start: 3 @40061 has 56 MA's), (Start: 4 @40055 has 3 MA's), (Start: 5 @40052 has 1 MA's), (Start: 12 @39977 has 201 MA's), (14, 39908), (15, 39905), (16, 39902), (25, 39737), (28, 39635), (34, 39428),

Gene: Plmatters_47 Start: 40280, Stop: 39720, Start Num: 12

Candidate Starts for Plmatters_47:

(Start: 3 @40364 has 56 MA's), (Start: 4 @40358 has 3 MA's), (Start: 5 @40355 has 1 MA's), (Start: 12 @40280 has 201 MA's), (14, 40211), (15, 40208), (16, 40205), (20, 40151), (25, 40040), (28, 39938), (34, 39731),

Gene: Podrick_47 Start: 40271, Stop: 39711, Start Num: 12

Candidate Starts for Podrick_47:

(Start: 3 @40355 has 56 MA's), (Start: 4 @40349 has 3 MA's), (Start: 5 @40346 has 1 MA's), (Start: 12 @40271 has 201 MA's), (14, 40202), (15, 40199), (16, 40196), (20, 40142), (25, 40031), (28, 39929), (34, 39722),

Gene: Pops_47 Start: 40295, Stop: 39735, Start Num: 12

Candidate Starts for Pops_47:

(Start: 3 @40379 has 56 MA's), (Start: 4 @40373 has 3 MA's), (Start: 5 @40370 has 1 MA's), (Start: 12 @40295 has 201 MA's), (14, 40226), (15, 40223), (16, 40220), (20, 40166), (25, 40055), (28, 39953), (34, 39746),

Gene: Potter_46 Start: 39995, Stop: 39435, Start Num: 12

Candidate Starts for Potter_46:

(Start: 3 @40079 has 56 MA's), (Start: 4 @40073 has 3 MA's), (Start: 5 @40070 has 1 MA's), (Start: 12 @39995 has 201 MA's), (14, 39926), (15, 39923), (16, 39920), (25, 39755), (28, 39653), (34, 39446),

Gene: Prickles_47 Start: 40271, Stop: 39711, Start Num: 12

Candidate Starts for Prickles_47:

(Start: 3 @40355 has 56 MA's), (Start: 4 @40349 has 3 MA's), (Start: 5 @40346 has 1 MA's), (Start: 12 @40271 has 201 MA's), (14, 40202), (15, 40199), (16, 40196), (20, 40142), (28, 39929), (34, 39722),

Gene: ProfessorX_47 Start: 40272, Stop: 39712, Start Num: 12

Candidate Starts for ProfessorX_47:

(Start: 3 @40356 has 56 MA's), (Start: 4 @40350 has 3 MA's), (Start: 5 @40347 has 1 MA's), (Start: 12 @40272 has 201 MA's), (14, 40203), (15, 40200), (16, 40197), (20, 40143), (28, 39930), (34, 39723),

Gene: Puhltonio_47 Start: 40365, Stop: 39727, Start Num: 3

Candidate Starts for Puhltonio_47:

(Start: 3 @40365 has 56 MA's), (Start: 4 @40359 has 3 MA's), (Start: 5 @40356 has 1 MA's), (Start: 12 @40281 has 201 MA's), (14, 40218), (15, 40215), (16, 40212), (20, 40158), (28, 39945), (32, 39879), (34, 39738),

Gene: QueenBeane_47 Start: 40271, Stop: 39717, Start Num: 12

Candidate Starts for QueenBeane_47:

(Start: 3 @40355 has 56 MA's), (Start: 4 @40349 has 3 MA's), (Start: 5 @40346 has 1 MA's), (Start: 12 @40271 has 201 MA's), (14, 40208), (15, 40205), (16, 40202), (20, 40148), (28, 39935), (32, 39869), (34, 39728),

Gene: Quesadilla_48 Start: 42077, Stop: 41490, Start Num: 11

Candidate Starts for Quesadilla_48:

(Start: 11 @42077 has 2 MA's), (15, 41996), (16, 41993), (19, 41948), (27, 41744), (28, 41708), (29, 41693), (30, 41669),

Gene: Quisquiliae_47 Start: 40308, Stop: 39748, Start Num: 12

Candidate Starts for Quisquiliae_47:

(Start: 3 @40392 has 56 MA's), (Start: 4 @40386 has 3 MA's), (Start: 5 @40383 has 1 MA's), (Start: 12 @40308 has 201 MA's), (14, 40239), (15, 40236), (16, 40233), (20, 40179), (25, 40068), (28, 39966), (34, 39759),

Gene: RedMaple_47 Start: 40422, Stop: 39862, Start Num: 12

Candidate Starts for RedMaple_47:

(Start: 3 @40506 has 56 MA's), (Start: 4 @40500 has 3 MA's), (Start: 5 @40497 has 1 MA's), (Start: 12 @40422 has 201 MA's), (14, 40353), (15, 40350), (16, 40347), (20, 40293), (28, 40080),

Gene: Ricotta_46 Start: 39994, Stop: 39440, Start Num: 12

Candidate Starts for Ricotta_46:

(Start: 3 @40078 has 56 MA's), (Start: 4 @40072 has 3 MA's), (Start: 5 @40069 has 1 MA's), (Start: 12 @39994 has 201 MA's), (14, 39931), (15, 39928), (16, 39925), (20, 39871), (28, 39658), (32, 39592), (34, 39451),

Gene: Riggan_47 Start: 40267, Stop: 39707, Start Num: 12

Candidate Starts for Riggan_47:

(Start: 3 @40351 has 56 MA's), (Start: 4 @40345 has 3 MA's), (Start: 5 @40342 has 1 MA's), (Start: 12 @40267 has 201 MA's), (14, 40198), (15, 40195), (16, 40192), (20, 40138), (28, 39925), (34, 39718),

Gene: Rimu_49 Start: 40007, Stop: 39453, Start Num: 12

Candidate Starts for Rimu_49:

(Start: 3 @40091 has 56 MA's), (Start: 4 @40085 has 3 MA's), (Start: 5 @40082 has 1 MA's), (Start: 12 @40007 has 201 MA's), (14, 39944), (15, 39941), (16, 39938), (20, 39884), (28, 39671), (32, 39605), (34, 39464),

Gene: Robyn_46 Start: 39851, Stop: 39291, Start Num: 12

Candidate Starts for Robyn_46:

(Start: 3 @39935 has 56 MA's), (Start: 4 @39929 has 3 MA's), (Start: 5 @39926 has 1 MA's), (Start: 12 @39851 has 201 MA's), (14, 39782), (15, 39779), (16, 39776), (25, 39611), (28, 39509), (34, 39302),

Gene: Roliet_47 Start: 40279, Stop: 39719, Start Num: 12

Candidate Starts for Roliet_47:

(Start: 10 @40321 has 1 MA's), (Start: 12 @40279 has 201 MA's), (14, 40210), (15, 40207), (16, 40204), (20, 40150), (28, 39937), (34, 39730),

Gene: Roscoe_48 Start: 40517, Stop: 39957, Start Num: 12

Candidate Starts for Roscoe_48:

(Start: 3 @40601 has 56 MA's), (Start: 4 @40595 has 3 MA's), (Start: 5 @40592 has 1 MA's), (Start: 12 @40517 has 201 MA's), (14, 40448), (15, 40445), (16, 40442), (20, 40388), (28, 40175), (34, 39968),

Gene: Roy17_47 Start: 40055, Stop: 39417, Start Num: 3

Candidate Starts for Roy17_47:

(Start: 3 @40055 has 56 MA's), (Start: 4 @40049 has 3 MA's), (Start: 5 @40046 has 1 MA's), (Start: 12 @39971 has 201 MA's), (14, 39908), (15, 39905), (16, 39902), (20, 39848), (28, 39635), (32, 39569), (34, 39428),

Gene: SDcharge11_47 Start: 40299, Stop: 39697, Start Num: 10

Candidate Starts for SDcharge11_47:

(Start: 10 @40299 has 1 MA's), (Start: 12 @40257 has 201 MA's), (14, 40188), (15, 40185), (16, 40182), (20, 40128), (28, 39915), (34, 39708),

Gene: Saguaro_48 Start: 41742, Stop: 41140, Start Num: 11

Candidate Starts for Saguaro_48:

(6, 41793), (7, 41790), (Start: 11 @41742 has 2 MA's), (13, 41700), (15, 41655), (16, 41652), (17, 41640), (25, 41463), (26, 41460), (27, 41394), (28, 41358), (30, 41319),

Gene: Samaymay_47 Start: 40271, Stop: 39717, Start Num: 12

Candidate Starts for Samaymay_47:

(Start: 3 @40355 has 56 MA's), (Start: 4 @40349 has 3 MA's), (Start: 5 @40346 has 1 MA's), (Start: 12 @40271 has 201 MA's), (14, 40208), (15, 40205), (16, 40202), (20, 40148), (28, 39935), (32, 39869), (34, 39728),

Gene: SassyCat97_46 Start: 39983, Stop: 39423, Start Num: 12

Candidate Starts for SassyCat97_46:

(Start: 3 @40067 has 56 MA's), (Start: 4 @40061 has 3 MA's), (Start: 5 @40058 has 1 MA's), (Start: 12 @39983 has 201 MA's), (14, 39914), (15, 39911), (16, 39908), (25, 39743), (28, 39641), (34, 39434),

Gene: Schadenfreude_46 Start: 39825, Stop: 39265, Start Num: 12

Candidate Starts for Schadenfreude_46:

(Start: 3 @39909 has 56 MA's), (Start: 4 @39903 has 3 MA's), (Start: 5 @39900 has 1 MA's), (Start: 12 @39825 has 201 MA's), (14, 39756), (15, 39753), (16, 39750), (25, 39585), (28, 39483), (34, 39276),

Gene: Schueller_47 Start: 39996, Stop: 39436, Start Num: 12

Candidate Starts for Schueller_47:

(Start: 3 @40080 has 56 MA's), (Start: 4 @40074 has 3 MA's), (Start: 5 @40071 has 1 MA's), (Start: 12 @39996 has 201 MA's), (14, 39927), (15, 39924), (16, 39921), (20, 39867), (28, 39654), (34, 39447),

Gene: Scoot17C_48 Start: 40414, Stop: 39854, Start Num: 12

Candidate Starts for Scoot17C_48:

(Start: 3 @40498 has 56 MA's), (Start: 4 @40492 has 3 MA's), (Start: 5 @40489 has 1 MA's), (Start: 12 @40414 has 201 MA's), (14, 40345), (15, 40342), (16, 40339), (20, 40285), (28, 40072),

Gene: Scrick_47 Start: 40007, Stop: 39447, Start Num: 12

Candidate Starts for Scrick_47:

(Start: 3 @40091 has 56 MA's), (Start: 4 @40085 has 3 MA's), (Start: 5 @40082 has 1 MA's), (Start: 12 @40007 has 201 MA's), (14, 39938), (15, 39935), (16, 39932), (20, 39878), (25, 39767), (28, 39665), (34, 39458),

Gene: Selr12_47 Start: 40094, Stop: 39450, Start Num: 3

Candidate Starts for Selr12_47:

(Start: 3 @40094 has 56 MA's), (Start: 4 @40088 has 3 MA's), (Start: 5 @40085 has 1 MA's), (Start: 12 @40010 has 201 MA's), (14, 39941), (15, 39938), (16, 39935), (25, 39770), (28, 39668), (34, 39461),

Gene: Serendipity_47 Start: 40295, Stop: 39741, Start Num: 12

Candidate Starts for Serendipity_47:

(Start: 3 @40379 has 56 MA's), (Start: 4 @40373 has 3 MA's), (Start: 5 @40370 has 1 MA's), (Start: 12 @40295 has 201 MA's), (14, 40232), (15, 40229), (16, 40226), (20, 40172), (28, 39959), (32, 39893), (34, 39752),

Gene: Serpentine_0047 Start: 40366, Stop: 39722, Start Num: 3

Candidate Starts for Serpentine_0047:

(Start: 3 @40366 has 56 MA's), (Start: 4 @40360 has 3 MA's), (Start: 5 @40357 has 1 MA's), (Start: 12 @40282 has 201 MA's), (14, 40213), (15, 40210), (16, 40207), (20, 40153), (25, 40042), (28, 39940), (34, 39733),

Gene: Sheila_47 Start: 40319, Stop: 39759, Start Num: 12

Candidate Starts for Sheila_47:

(Start: 10 @40361 has 1 MA's), (Start: 12 @40319 has 201 MA's), (14, 40250), (15, 40247), (16, 40244), (20, 40190), (28, 39977), (34, 39770),

Gene: ShiVal_47 Start: 40281, Stop: 39721, Start Num: 12

Candidate Starts for ShiVal_47:

(Start: 3 @40365 has 56 MA's), (Start: 4 @40359 has 3 MA's), (Start: 5 @40356 has 1 MA's), (Start: 12 @40281 has 201 MA's), (14, 40212), (15, 40209), (16, 40206), (20, 40152), (28, 39939), (34, 39732),

Gene: Sigman_48 Start: 40489, Stop: 39845, Start Num: 3

Candidate Starts for Sigman_48:

(Start: 3 @40489 has 56 MA's), (Start: 4 @40483 has 3 MA's), (Start: 5 @40480 has 1 MA's), (Start: 12 @40405 has 201 MA's), (14, 40336), (15, 40333), (16, 40330), (20, 40276), (28, 40063),

Gene: SilverBell_47 Start: 40384, Stop: 39740, Start Num: 3

Candidate Starts for SilverBell_47:

(Start: 3 @40384 has 56 MA's), (Start: 4 @40378 has 3 MA's), (Start: 5 @40375 has 1 MA's), (Start: 12 @40300 has 201 MA's), (14, 40231), (15, 40228), (16, 40225), (20, 40171), (25, 40060), (28,

39958), (34, 39751),

Gene: Simielle_46 Start: 39964, Stop: 39410, Start Num: 12

Candidate Starts for Simielle_46:

(Start: 3 @40048 has 56 MA's), (Start: 4 @40042 has 3 MA's), (Start: 5 @40039 has 1 MA's), (Start: 12 @39964 has 201 MA's), (14, 39901), (15, 39898), (16, 39895), (20, 39841), (28, 39628), (32, 39562), (34, 39421),

Gene: Skippy_47 Start: 40265, Stop: 39705, Start Num: 12

Candidate Starts for Skippy_47:

(Start: 3 @40349 has 56 MA's), (Start: 4 @40343 has 3 MA's), (Start: 5 @40340 has 1 MA's), (Start: 12 @40265 has 201 MA's), (14, 40196), (15, 40193), (16, 40190), (20, 40136), (28, 39923), (34, 39716),

Gene: Slatt_47 Start: 40291, Stop: 39731, Start Num: 12

Candidate Starts for Slatt_47:

(Start: 3 @40375 has 56 MA's), (Start: 4 @40369 has 3 MA's), (Start: 5 @40366 has 1 MA's), (Start: 12 @40291 has 201 MA's), (14, 40222), (15, 40219), (16, 40216), (20, 40162), (25, 40051), (28, 39949), (34, 39742),

Gene: Soile_47 Start: 39994, Stop: 39434, Start Num: 12

Candidate Starts for Soile_47:

(Start: 3 @40078 has 56 MA's), (Start: 4 @40072 has 3 MA's), (Start: 5 @40069 has 1 MA's), (Start: 12 @39994 has 201 MA's), (14, 39925), (15, 39922), (16, 39919), (20, 39865), (28, 39652), (34, 39445),

Gene: Solosis_46 Start: 39992, Stop: 39432, Start Num: 12

Candidate Starts for Solosis_46:

(Start: 3 @40076 has 56 MA's), (Start: 4 @40070 has 3 MA's), (Start: 5 @40067 has 1 MA's), (Start: 12 @39992 has 201 MA's), (14, 39923), (15, 39920), (16, 39917), (20, 39863), (28, 39650), (34, 39443),

Gene: Sophia_46 Start: 39986, Stop: 39432, Start Num: 12

Candidate Starts for Sophia_46:

(Start: 3 @40070 has 56 MA's), (Start: 4 @40064 has 3 MA's), (Start: 5 @40061 has 1 MA's), (Start: 12 @39986 has 201 MA's), (14, 39923), (15, 39920), (16, 39917), (20, 39863), (28, 39650), (32, 39584), (34, 39443),

Gene: Soto_47 Start: 40291, Stop: 39731, Start Num: 12

Candidate Starts for Soto_47:

(Start: 10 @40333 has 1 MA's), (Start: 12 @40291 has 201 MA's), (14, 40222), (15, 40219), (16, 40216), (20, 40162), (28, 39949), (34, 39742),

Gene: Spartan300_47 Start: 40277, Stop: 39717, Start Num: 12

Candidate Starts for Spartan300_47:

(Start: 3 @40361 has 56 MA's), (Start: 4 @40355 has 3 MA's), (Start: 5 @40352 has 1 MA's), (Start: 12 @40277 has 201 MA's), (14, 40208), (15, 40205), (16, 40202), (20, 40148), (28, 39935), (34, 39728),

Gene: Squid_47 Start: 40067, Stop: 39423, Start Num: 3

Candidate Starts for Squid_47:

(Start: 3 @40067 has 56 MA's), (Start: 4 @40061 has 3 MA's), (Start: 5 @40058 has 1 MA's), (Start: 12 @39983 has 201 MA's), (14, 39914), (15, 39911), (16, 39908), (25, 39743), (28, 39641), (34,

39434),

Gene: Squiggle_47 Start: 40001, Stop: 39441, Start Num: 12

Candidate Starts for Squiggle_47:

(Start: 3 @40085 has 56 MA's), (Start: 4 @40079 has 3 MA's), (Start: 5 @40076 has 1 MA's), (Start: 12 @40001 has 201 MA's), (14, 39932), (15, 39929), (16, 39926), (20, 39872), (28, 39659), (34, 39452),

Gene: Struggle_46 Start: 39833, Stop: 39273, Start Num: 12

Candidate Starts for Struggle_46:

(Start: 3 @39917 has 56 MA's), (Start: 4 @39911 has 3 MA's), (Start: 5 @39908 has 1 MA's), (Start: 12 @39833 has 201 MA's), (14, 39764), (15, 39761), (16, 39758), (20, 39704), (28, 39491), (34, 39284),

Gene: Suffolk_47 Start: 40282, Stop: 39722, Start Num: 12

Candidate Starts for Suffolk_47:

(Start: 3 @40366 has 56 MA's), (Start: 4 @40360 has 3 MA's), (Start: 5 @40357 has 1 MA's), (Start: 12 @40282 has 201 MA's), (14, 40213), (15, 40210), (16, 40207), (20, 40153), (28, 39940), (34, 39733),

Gene: Surely_47 Start: 40288, Stop: 39728, Start Num: 12

Candidate Starts for Surely_47:

(Start: 3 @40372 has 56 MA's), (Start: 4 @40366 has 3 MA's), (Start: 5 @40363 has 1 MA's), (Start: 12 @40288 has 201 MA's), (14, 40219), (15, 40216), (16, 40213), (25, 40048), (28, 39946), (34, 39739),

Gene: Swiphy_49 Start: 40367, Stop: 39723, Start Num: 3

Candidate Starts for Swiphy_49:

(Start: 3 @40367 has 56 MA's), (Start: 4 @40361 has 3 MA's), (Start: 5 @40358 has 1 MA's), (Start: 12 @40283 has 201 MA's), (14, 40214), (15, 40211), (16, 40208), (25, 40043), (28, 39941), (34, 39734),

Gene: Swish_48 Start: 40406, Stop: 39846, Start Num: 12

Candidate Starts for Swish_48:

(Start: 3 @40490 has 56 MA's), (Start: 4 @40484 has 3 MA's), (Start: 5 @40481 has 1 MA's), (Start: 12 @40406 has 201 MA's), (14, 40337), (15, 40334), (16, 40331), (20, 40277), (28, 40064),

Gene: TallGrassMM_47 Start: 39985, Stop: 39347, Start Num: 3

Candidate Starts for TallGrassMM_47:

(Start: 3 @39985 has 56 MA's), (Start: 4 @39979 has 3 MA's), (Start: 5 @39976 has 1 MA's), (Start: 12 @39901 has 201 MA's), (14, 39838), (15, 39835), (16, 39832), (20, 39778), (28, 39565), (32, 39499), (34, 39358),

Gene: Telesworld_46 Start: 39980, Stop: 39420, Start Num: 12

Candidate Starts for Telesworld_46:

(Start: 3 @40064 has 56 MA's), (Start: 4 @40058 has 3 MA's), (Start: 5 @40055 has 1 MA's), (Start: 12 @39980 has 201 MA's), (14, 39911), (15, 39908), (16, 39905), (20, 39851), (25, 39740), (28, 39638), (34, 39431),

Gene: Thora_47 Start: 40287, Stop: 39727, Start Num: 12

Candidate Starts for Thora_47:

(Start: 3 @40371 has 56 MA's), (Start: 4 @40365 has 3 MA's), (Start: 5 @40362 has 1 MA's), (Start: 12 @40287 has 201 MA's), (14, 40218), (15, 40215), (16, 40212), (25, 40047), (28, 39945), (34,

39738),

Gene: ThreeOh3D2_48 Start: 40504, Stop: 39860, Start Num: 3

Candidate Starts for ThreeOh3D2_48:

(Start: 3 @40504 has 56 MA's), (Start: 4 @40498 has 3 MA's), (Start: 5 @40495 has 1 MA's), (Start: 12 @40420 has 201 MA's), (14, 40351), (15, 40348), (16, 40345), (20, 40291), (28, 40078),

Gene: Thunderbird_46 Start: 40072, Stop: 39428, Start Num: 3

Candidate Starts for Thunderbird_46:

(Start: 3 @40072 has 56 MA's), (Start: 4 @40066 has 3 MA's), (Start: 5 @40063 has 1 MA's), (Start: 12 @39988 has 201 MA's), (14, 39919), (15, 39916), (16, 39913), (20, 39859), (28, 39646), (34, 39439),

Gene: Timmi_46 Start: 39987, Stop: 39433, Start Num: 12

Candidate Starts for Timmi_46:

(Start: 3 @40071 has 56 MA's), (Start: 4 @40065 has 3 MA's), (Start: 5 @40062 has 1 MA's), (Start: 12 @39987 has 201 MA's), (14, 39924), (15, 39921), (16, 39918), (20, 39864), (28, 39651), (32, 39585), (34, 39444),

Gene: TomBombadil_47 Start: 40272, Stop: 39718, Start Num: 12

Candidate Starts for TomBombadil_47:

(Start: 3 @40356 has 56 MA's), (Start: 4 @40350 has 3 MA's), (Start: 5 @40347 has 1 MA's), (Start: 12 @40272 has 201 MA's), (14, 40209), (15, 40206), (16, 40203), (20, 40149), (28, 39936), (32, 39870), (34, 39729),

Gene: Tomlarah_47 Start: 40275, Stop: 39715, Start Num: 12

Candidate Starts for Tomlarah_47:

(Start: 3 @40359 has 56 MA's), (Start: 4 @40353 has 3 MA's), (Start: 5 @40350 has 1 MA's), (Start: 12 @40275 has 201 MA's), (14, 40206), (15, 40203), (16, 40200), (20, 40146), (28, 39933), (34, 39726),

Gene: Toni_46 Start: 39979, Stop: 39425, Start Num: 12

Candidate Starts for Toni_46:

(Start: 3 @40063 has 56 MA's), (Start: 4 @40057 has 3 MA's), (Start: 5 @40054 has 1 MA's), (Start: 12 @39979 has 201 MA's), (14, 39916), (15, 39913), (16, 39910), (20, 39856), (28, 39643), (32, 39577), (34, 39436),

Gene: Tooj_47 Start: 40342, Stop: 39782, Start Num: 12

Candidate Starts for Tooj_47:

(Start: 3 @40426 has 56 MA's), (Start: 4 @40420 has 3 MA's), (Start: 5 @40417 has 1 MA's), (Start: 12 @40342 has 201 MA's), (14, 40273), (15, 40270), (16, 40267), (20, 40213), (25, 40102), (28, 40000), (34, 39793),

Gene: True_46 Start: 39985, Stop: 39425, Start Num: 12

Candidate Starts for True_46:

(Start: 3 @40069 has 56 MA's), (Start: 4 @40063 has 3 MA's), (Start: 5 @40060 has 1 MA's), (Start: 12 @39985 has 201 MA's), (14, 39916), (15, 39913), (16, 39910), (25, 39745), (28, 39643), (34, 39436),

Gene: Trypo_48 Start: 40500, Stop: 39856, Start Num: 3

Candidate Starts for Trypo_48:

(Start: 3 @40500 has 56 MA's), (Start: 4 @40494 has 3 MA's), (Start: 5 @40491 has 1 MA's), (Start: 12 @40416 has 201 MA's), (14, 40347), (15, 40344), (16, 40341), (20, 40287), (28, 40074),

Gene: TyrionL_46 Start: 39841, Stop: 39281, Start Num: 12

Candidate Starts for TyrionL_46:

(Start: 3 @39925 has 56 MA's), (Start: 4 @39919 has 3 MA's), (Start: 5 @39916 has 1 MA's), (Start: 12 @39841 has 201 MA's), (14, 39772), (15, 39769), (16, 39766), (25, 39601), (28, 39499), (34, 39292),

Gene: UAch1_47 Start: 40294, Stop: 39734, Start Num: 12

Candidate Starts for UAch1_47:

(Start: 3 @40378 has 56 MA's), (Start: 4 @40372 has 3 MA's), (Start: 5 @40369 has 1 MA's), (Start: 12 @40294 has 201 MA's), (14, 40225), (15, 40222), (16, 40219), (25, 40054), (28, 39952), (34, 39745),

Gene: UncleHowie_47 Start: 40068, Stop: 39424, Start Num: 3

Candidate Starts for UncleHowie_47:

(Start: 3 @40068 has 56 MA's), (Start: 4 @40062 has 3 MA's), (Start: 5 @40059 has 1 MA's), (Start: 12 @39984 has 201 MA's), (14, 39915), (15, 39912), (16, 39909), (25, 39744), (28, 39642), (34, 39435),

Gene: Usavi_47 Start: 40282, Stop: 39722, Start Num: 12

Candidate Starts for Usavi_47:

(Start: 12 @40282 has 201 MA's), (14, 40213), (15, 40210), (16, 40207), (20, 40153), (28, 39940), (34, 39733),

Gene: Vaishali24_46 Start: 40027, Stop: 39383, Start Num: 3

Candidate Starts for Vaishali24_46:

(Start: 3 @40027 has 56 MA's), (Start: 4 @40021 has 3 MA's), (Start: 5 @40018 has 1 MA's), (Start: 12 @39943 has 201 MA's), (14, 39874), (15, 39871), (16, 39868), (20, 39814), (25, 39703), (28, 39601), (34, 39394),

Gene: Valjean_47 Start: 40280, Stop: 39720, Start Num: 12

Candidate Starts for Valjean_47:

(Start: 3 @40364 has 56 MA's), (Start: 4 @40358 has 3 MA's), (Start: 5 @40355 has 1 MA's), (Start: 12 @40280 has 201 MA's), (14, 40211), (15, 40208), (16, 40205), (20, 40151), (28, 39938), (34, 39731),

Gene: Vaticameos_43 Start: 38050, Stop: 37412, Start Num: 3

Candidate Starts for Vaticameos_43:

(Start: 3 @38050 has 56 MA's), (Start: 4 @38044 has 3 MA's), (Start: 5 @38041 has 1 MA's), (Start: 12 @37966 has 201 MA's), (14, 37903), (15, 37900), (16, 37897), (20, 37843), (28, 37630), (32, 37564), (34, 37423),

Gene: Veritas_46 Start: 39847, Stop: 39287, Start Num: 12

Candidate Starts for Veritas_46:

(Start: 3 @39931 has 56 MA's), (Start: 4 @39925 has 3 MA's), (Start: 5 @39922 has 1 MA's), (Start: 12 @39847 has 201 MA's), (15, 39775), (16, 39772), (20, 39718), (25, 39607), (28, 39505), (34, 39298),

Gene: Vincenzo_43 Start: 41068, Stop: 40448, Start Num: 8

Candidate Starts for Vincenzo_43:

(Start: 8 @41068 has 2 MA's), (15, 40942), (18, 40909), (21, 40882), (22, 40849), (24, 40774), (26, 40768), (27, 40702), (31, 40621), (33, 40528), (34, 40459),

Gene: Virapocalypse_47 Start: 40275, Stop: 39715, Start Num: 12

Candidate Starts for Virapocalypse_47:

(Start: 3 @40359 has 56 MA's), (Start: 4 @40353 has 3 MA's), (Start: 5 @40350 has 1 MA's), (Start: 12 @40275 has 201 MA's), (14, 40206), (15, 40203), (16, 40200), (25, 40035), (28, 39933), (34, 39726),

Gene: Virgeve_46 Start: 40052, Stop: 39492, Start Num: 12

Candidate Starts for Virgeve_46:

(Start: 3 @40136 has 56 MA's), (Start: 4 @40130 has 3 MA's), (Start: 5 @40127 has 1 MA's), (Start: 12 @40052 has 201 MA's), (14, 39983), (15, 39980), (16, 39977), (20, 39923), (28, 39710), (34, 39503),

Gene: Vista_47 Start: 40363, Stop: 39725, Start Num: 4

Candidate Starts for Vista_47:

(Start: 3 @40369 has 56 MA's), (Start: 4 @40363 has 3 MA's), (Start: 5 @40360 has 1 MA's), (Start: 12 @40285 has 201 MA's), (14, 40216), (15, 40213), (16, 40210), (25, 40045), (28, 39943), (34, 39736),

Gene: Vivaldi_47 Start: 40389, Stop: 39751, Start Num: 4

Candidate Starts for Vivaldi_47:

(1, 40509), (2, 40404), (Start: 4 @40389 has 3 MA's), (Start: 5 @40386 has 1 MA's), (Start: 12 @40311 has 201 MA's), (14, 40242), (15, 40239), (16, 40236), (25, 40071), (28, 39969), (34, 39762),

Gene: Vortex_47 Start: 40066, Stop: 39428, Start Num: 3

Candidate Starts for Vortex_47:

(Start: 3 @40066 has 56 MA's), (Start: 4 @40060 has 3 MA's), (Start: 5 @40057 has 1 MA's), (Start: 12 @39982 has 201 MA's), (14, 39919), (15, 39916), (16, 39913), (20, 39859), (28, 39646), (32, 39580), (34, 39439),

Gene: Wallhey_46 Start: 39845, Stop: 39285, Start Num: 12

Candidate Starts for Wallhey_46:

(Start: 3 @39929 has 56 MA's), (Start: 4 @39923 has 3 MA's), (Start: 5 @39920 has 1 MA's), (Start: 12 @39845 has 201 MA's), (14, 39776), (15, 39773), (16, 39770), (25, 39605), (28, 39503), (34, 39296),

Gene: Waterdiva_47 Start: 40361, Stop: 39717, Start Num: 3

Candidate Starts for Waterdiva_47:

(Start: 3 @40361 has 56 MA's), (Start: 4 @40355 has 3 MA's), (Start: 5 @40352 has 1 MA's), (Start: 12 @40277 has 201 MA's), (14, 40208), (15, 40205), (16, 40202), (20, 40148), (28, 39935), (34, 39728),

Gene: Weher20_47 Start: 40276, Stop: 39716, Start Num: 12

Candidate Starts for Weher20_47:

(Start: 3 @40360 has 56 MA's), (Start: 4 @40354 has 3 MA's), (Start: 5 @40351 has 1 MA's), (Start: 12 @40276 has 201 MA's), (14, 40207), (15, 40204), (16, 40201), (20, 40147), (25, 40036), (28, 39934), (34, 39727),

Gene: Windsor_46 Start: 39981, Stop: 39421, Start Num: 12

Candidate Starts for Windsor_46:

(Start: 3 @40065 has 56 MA's), (Start: 4 @40059 has 3 MA's), (Start: 5 @40056 has 1 MA's), (Start: 12 @39981 has 201 MA's), (14, 39912), (15, 39909), (16, 39906), (20, 39852), (28, 39639), (34, 39432),

Gene: Xavier_46 Start: 40073, Stop: 39435, Start Num: 3

Candidate Starts for Xavier_46:

(Start: 3 @40073 has 56 MA's), (Start: 4 @40067 has 3 MA's), (Start: 5 @40064 has 1 MA's), (Start: 12 @39989 has 201 MA's), (14, 39926), (15, 39923), (16, 39920), (20, 39866), (28, 39653), (32, 39587), (34, 39446),

Gene: Yoshand_48 Start: 40419, Stop: 39859, Start Num: 12

Candidate Starts for Yoshand_48:

(Start: 3 @40503 has 56 MA's), (Start: 4 @40497 has 3 MA's), (Start: 5 @40494 has 1 MA's), (Start: 12 @40419 has 201 MA's), (14, 40350), (15, 40347), (16, 40344), (20, 40290), (28, 40077),

Gene: YouGoGlencoco_47 Start: 40279, Stop: 39719, Start Num: 12

Candidate Starts for YouGoGlencoco_47:

(Start: 3 @40363 has 56 MA's), (Start: 4 @40357 has 3 MA's), (Start: 5 @40354 has 1 MA's), (Start: 12 @40279 has 201 MA's), (14, 40210), (15, 40207), (16, 40204), (25, 40039), (28, 39937), (34, 39730),

Gene: Zaider_48 Start: 40509, Stop: 39949, Start Num: 12

Candidate Starts for Zaider_48:

(Start: 3 @40593 has 56 MA's), (Start: 4 @40587 has 3 MA's), (Start: 5 @40584 has 1 MA's), (Start: 12 @40509 has 201 MA's), (14, 40440), (15, 40437), (16, 40434), (25, 40269), (28, 40167), (34, 39960),

Gene: Zelda_47 Start: 40326, Stop: 39766, Start Num: 12

Candidate Starts for Zelda_47:

(Start: 3 @40410 has 56 MA's), (Start: 4 @40404 has 3 MA's), (Start: 5 @40401 has 1 MA's), (Start: 12 @40326 has 201 MA's), (14, 40257), (15, 40254), (16, 40251), (25, 40086), (28, 39984), (34, 39777),

Gene: Zonia_47 Start: 40296, Stop: 39736, Start Num: 12

Candidate Starts for Zonia_47:

(Start: 3 @40380 has 56 MA's), (Start: 4 @40374 has 3 MA's), (Start: 5 @40371 has 1 MA's), (Start: 12 @40296 has 201 MA's), (14, 40227), (15, 40224), (16, 40221), (25, 40056), (28, 39954), (34, 39747),