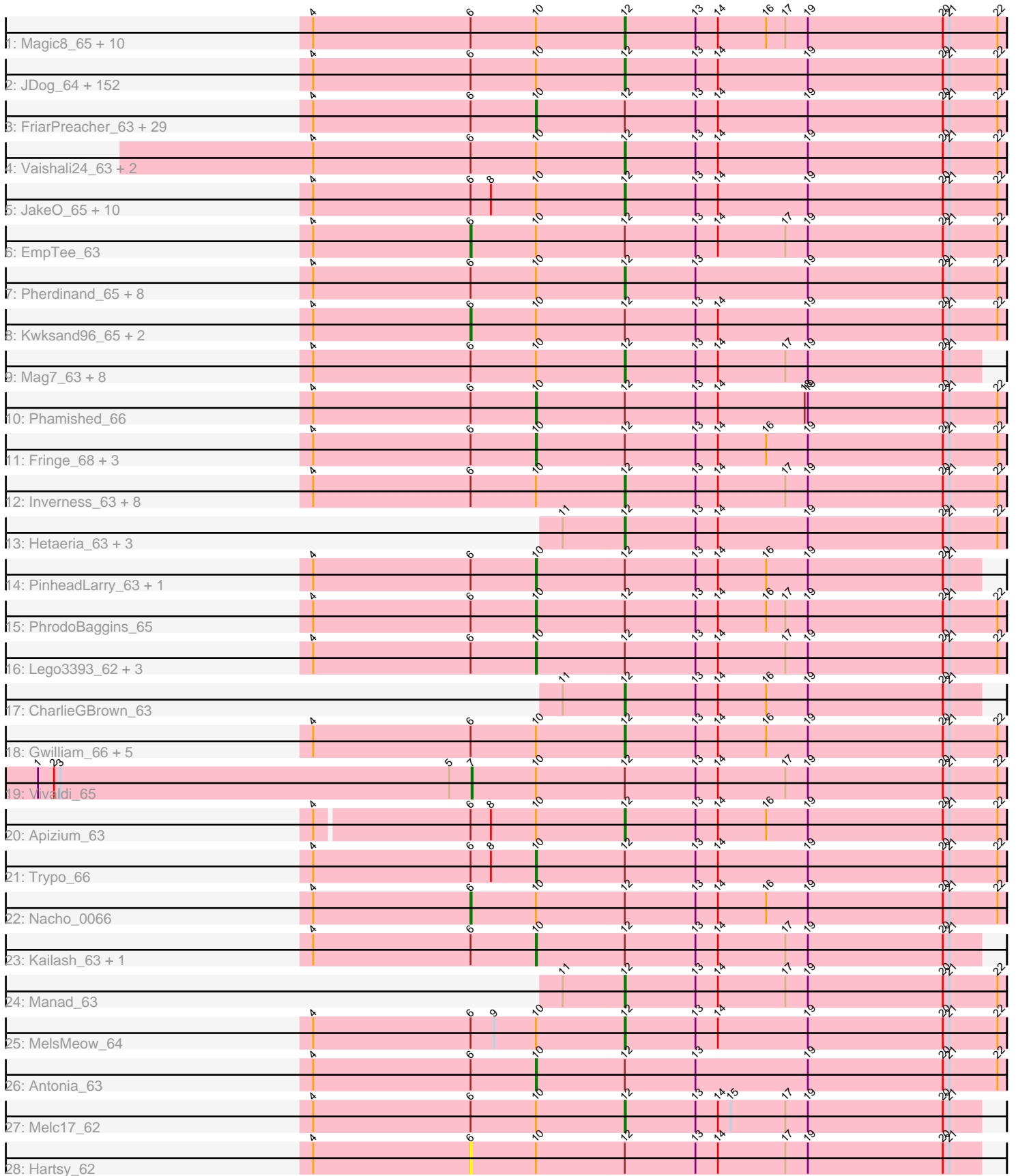


Pham 161539



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 161539 Report

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

Pham number 161539 has 273 members, 27 are drafts.

Phages represented in each track:

- Track 1 : Magic8_65, Phergie_65, PhrankReynolds_64, Inchworm_66, Ashraf_65, CampRoach_64, Bluephacebaby_64, LasagnaCat_65, PhenghisKhan_65, Maskar_65, ImtiyazSitla_65
- Track 2 : JDog_64, Fang_65, FugateOSU_65, Lasso_64, Eugenia_64, AbsoluteMadLad_64, Murdoc_62, DirtJuice_65, Zelda_65, Keitherie_66, BlueHusk_66, Mulan_64, Scoot17C_64, Andre_66, Orfeu_64, Prickles_66, Sigman_64, Legolas_66, Buckeye_64, PhatCats2014_64, Orwigg_64, Emiris_66, Thora_63, Colbert_62, JangoPhett_64, Phareon_63, LemonSlice_65, CheetO_64, Burr_64, Toni_64, PhatLouie_66, Kahve_64, LeiMonet_67, Frankicide_62, Basato_64, Morgushi_63, Daffy_63, DonSancho_61, Quisquiliae_65, Swiphy_68, YouGoGlencoco_65, KLucky39_62, Grand2040_63, Jiraiya_68, Cornobble_63, KlimbOn_64, Altwerkus_62, Cher_64, ProfessorX_63, Lulwa_62, Nyala_63, Wallhey_65, Beaglebox_63, OSmaximus_65, Tomlarah_65, HenryJackson_64, Placalicious_65, Orion_65, Vortex_63, Jillium_64, Megamind20_65, HighStump_66, LuckyMarjie_62, TallGrassMM_63, Chah_65, Pacifista_67, Lopsy_62, Sophia_63, KingTut_56, RedMaple_65, Surely_64, Slatt_65, PG1_64, Chorkpop_64, Mutante_64, Mecca_64, Katniss_65, Plmatters_63, Childish_63, Timmi_63, True_63, Dice_65, Virapocalypse_65, Skippy_65, Chute_65, Harvey_62, Newman_62, MRabcd_64, Gophee_65, Hocus_63, Iridoclysis_64, ABU_64, Mikota_62, Cannibal_64, DaddyDaniels_66, Charles1_65, Dione_62, Telesworld_62, Dingo_62, Puhltonio_63, Cosmolli16_65, Riggan_65, Mcshane_63, Nicole21_65, SassyCat97_63, Omniscient_65, Mana_63, Simielle_64, Daka_67, Haimas_63, Waterdiva_64, Usavi_64, Phunky_62, Badfish_64, Squiggle_64, Oosterbaan_63, Numberten_63, Freya_61, Olive_64, Sheila_61, Thunderbird_65, Ricotta_63, MiniBoss_62, Lumine_65, Chaelin_65, Xavier_63, Tooj_62, Maru_64, LostAndPhound_64, Selr12_66, Roscoe_65, Kwadwo_63, Kloppinator_65, Pinkman_64, Phipps_64, Matalotodo_64, Anderson_65, Potter_62, Hamish_62, Zaider_65, Vaticameos_61, Longacauda_65, Adriana_66, Schadenfreude_64, TomBombadil_64, Serendipity_63, Horchata_62, Mesh1_65, UncleHowie_62, Coletti_67, Olak_65, Fozzie_64, OliverWalter_62
- Track 3 : FriarPreacher_63, Lulumae_61, Podrick_63, Held_63, Vista_63, Megatron_64, Cobra_65, LeeLot_64, Mosaic_62, ShiVal_62, Zonia_65, HSavage_62, Pipsqueak_62, Eremos_63, MitKao_64, Gareth_64, Serpentine_0064, JacAttac_65, Squid_63, Hertubise_63, Soto_62, Giraffe_64, DoesntMatter_61, Haleema_63, ThreeOh3D2_65, SDcharge11_64, Roy17_62, Windsor_64, Bishoperium_64, Morty_65
- Track 4 : Vaishali24_63, Carthage_63, Robyn_64

- Track 5 : JakeO_65, Oline_64, Durga_67, DelRivs_62, Duggie_64, Brilliant_67, Jiminy_65, Soile_65, Rimu_67, Struggle_65, MrPhizzler_64
- Track 6 : EmpTee_63
- Track 7 : Pherdinand_65, Swish_65, Aelin_64, Samaymay_64, QueenBeane_64, BlackStallion_65, FluffyNinja_65, Yoshand_65, CamL_64
- Track 8 : Kwksand96_65, Suffolk_62, Piglet_0064
- Track 9 : Mag7_63, DuchessDung_64, Veritas_64, Etaye_64, Dati_62, MichaelPhcott_63, Weher20_62, Phleuron_63, BatteryCK_63
- Track 10 : Phamished_66
- Track 11 : Fringe_68, Gyarad_0063, Derpp_64, TyrionL_65
- Track 12 : Inverness_63, Boehler_64, Banjo_63, Roliet_62, Crownjwl_63, Kimbrough_65, AltPhacts_63, Spartan300_64, Valjean_64
- Track 13 : Hetaeria_63, IsaacEli_65, Kikipoo_65, UAch1_64
- Track 14 : PinheadLarry_63, Pops_62
- Track 15 : PhrodoBaggins_65
- Track 16 : Lego3393_62, Craff_67, Chunky_63, KingVeVeVe_63
- Track 17 : CharlieGBrown_63
- Track 18 : Gwilliam_66, Schueller_65, GeneCoco_65, Scrick_64, Virgeve_63, Labeouficaum_65
- Track 19 : Vivaldi_65
- Track 20 : Apizium_63
- Track 21 : Trypo_66
- Track 22 : Nacho_0066
- Track 23 : Kailash_63, Doddsville_63
- Track 24 : Manad_63
- Track 25 : MelsMeow_64
- Track 26 : Antonia_63
- Track 27 : Melc17_62
- Track 28 : Hartsy_62

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 194 of the 246 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_64, AbsoluteMadLad_64, Adriana_66, Aelin_64, AltPhacts_63, Altwerkus_62, Anderson_65, Andre_66, Apizium_63, Ashraf_65, Badfish_64, Banjo_63, Basato_64, BatteryCK_63, Beaglebox_63, BlackStallion_65, BlueHusk_66, Bluephacebaby_64, Boehler_64, Brilliant_67, Buckeye_64, Burr_64, CamL_64, CampRoach_64, Cannibal_64, Carthage_63, Chaelin_65, Chah_65, Charles1_65, CharlieGBrown_63, CheetO_64, Cher_64, Childish_63, Chorkpop_64, Chute_65, Colbert_62, Coletti_67, Cornobble_63, Cosmolli16_65, Crownjwl_63, DaddyDaniels_66, Daffy_63, Daka_67, Dati_62, DelRivs_62, Dice_65, Dingo_62, Dione_62, DirtJuice_65, DonSanchon_61, DuchessDung_64, Duggie_64, Durga_67, Emiris_66, Etaye_64, Eugenia_64, Fang_65, FluffyNinja_65, Fozzie_64, Frankicide_62, Freya_61, FugateOSU_65, GeneCoco_65, Gophee_65, Grand2040_63, Gwilliam_66, Haimas_63, Hamish_62, Harvey_62, HenryJackson_64, Hetaeria_63, HighStump_66, Hocus_63, Horchata_62, ImtiyazSitla_65, Inchworm_66, Inverness_63, Iridoclysis_64, IsaacEli_65, JDog_64, JakeO_65, JangoPhett_64, Jillium_64, Jiminy_65, Jiraiya_68,

KLucky39_62, Kahve_64, Katniss_65, Keitherie_66, Kikipoo_65, Kimbrough_65, KingTut_56, KlimbOn_64, Kloppinator_65, Kwadwo_63, Labeouficaum_65, LasagnaCat_65, Lasso_64, Legolas_66, LeiMonet_67, LemonSlice_65, Longacauda_65, Lopsy_62, LostAndPhound_64, LuckyMarjie_62, Lulwa_62, Lumine_65, MRabcd_64, Mag7_63, Magic8_65, Mana_63, Manad_63, Maru_64, Maskar_65, Matalotodo_64, Mcshane_63, Mecca_64, Megamind20_65, Melc17_62, MelsMeow_64, Mesh1_65, MichaelPhcott_63, Mikota_62, MiniBoss_62, Morgushi_63, MrPhizzler_64, Mulan_64, Murdoc_62, Mutante_64, Newman_62, Nicole21_65, Numberten_63, Nyala_63, OSmaximus_65, Olak_65, Oline_64, Olive_64, OliverWalter_62, Omniscient_65, Oosterbaan_63, Orfeu_64, Orion_65, Orwigg_64, PG1_64, Pacifista_67, Phareon_63, PhatCats2014_64, PhatLouie_66, PhenghisKhan_65, Pherdinand_65, Phergie_65, Phipps_64, Phleuron_63, PhrankReynolds_64, Phunky_62, Pinkman_64, Placalicious_65, Plmatters_63, Potter_62, Prickles_66, ProfessorX_63, Puhltonio_63, QueenBeane_64, Quisquillae_65, RedMaple_65, Ricotta_63, Riggan_65, Rimu_67, Robyn_64, Roliet_62, Roscoe_65, Samaymay_64, SassyCat97_63, Schadenfreude_64, Schueller_65, Scoot17C_64, Scrick_64, Selr12_66, Serendipity_63, Sheila_61, Sigman_64, Simielle_64, Skippy_65, Slatt_65, Soile_65, Sophia_63, Spartan300_64, Squiggle_64, Struggle_65, Surely_64, Swiphy_68, Swish_65, TallGrassMM_63, Telesworld_62, Thora_63, Thunderbird_65, Timmi_63, TomBombadil_64, Tomlarah_65, Toni_64, Tooj_62, True_63, UAch1_64, UncleHowie_62, Usavi_64, Vaishali24_63, Valjean_64, Vaticameos_61, Veritas_64, Virapocalypse_65, Virgeve_63, Vortex_63, Wallhey_65, Waterdiva_64, Weher20_62, Xavier_63, Yoshand_65, YouGoGlencoco_65, Zaider_65, Zelda_65,

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

- Antonia_63, Bishoperium_64, Chunky_63, Cobra_65, Craff_67, Derpp_64, Doddsville_63, DoesntMatter_61, EmpTee_63, Eremos_63, FriarPreacher_63, Fringe_68, Gareth_64, Giraffe_64, Gyarad_0063, HSavage_62, Haleema_63, Hartsy_62, Held_63, Hertubise_63, JacAttac_65, Kailash_63, KingVeVeVe_63, Kwksand96_65, LeeLot_64, Lego3393_62, Lulumae_61, Megatron_64, MitKao_64, Morty_65, Mosaic_62, Nacho_0066, Phamished_66, PhrodoBaggins_65, Piglet_0064, PinheadLarry_63, Pipsqueak_62, Podrick_63, Pops_62, Roy17_62, SDcharge11_64, Serpentine_0064, ShiVal_62, Soto_62, Squid_63, Suffolk_62, ThreeOh3D2_65, Trypo_66, TyrionL_65, Vista_63, Vivaldi_65, Windsor_64, Zonia_65,

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

-

Summary by start number:

Start 6:

- Found in 266 of 273 (97.4%) of genes in pham
- Manual Annotations of this start: 5 of 246
- Called 2.3% of time when present
- Phage (with cluster) where this start called: EmpTee_63 (B1), Hartsy_62 (B1), Kwksand96_65 (B1), Nacho_0066 (B1), Piglet_0064 (B1), Suffolk_62 (B1),

Start 7:

- Found in 1 of 273 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 246
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Vivaldi_65 (B1),

Start 10:

- Found in 267 of 273 (97.8%) of genes in pham
- Manual Annotations of this start: 46 of 246
- Called 17.2% of time when present
- Phage (with cluster) where this start called: Antonia_63 (B1), Bishoperium_64 (B1), Chunky_63 (B1), Cobra_65 (B1), Craff_67 (B1), Derpp_64 (B1), Doddsville_63 (B1), DoesntMatter_61 (B1), Eremos_63 (B1), FriarPreacher_63 (B1), Fringe_68 (B1), Gareth_64 (B1), Giraffe_64 (B1), Gyarad_0063 (B1), HSavage_62 (B1), Haleema_63 (B1), Held_63 (B1), Hertubise_63 (B1), JacAttac_65 (B1), Kailash_63 (B1), KingVeVeVe_63 (B1), LeeLot_64 (B1), Lego3393_62 (B1), Lulumae_61 (B1), Megatron_64 (B1), MitKao_64 (B1), Morty_65 (B1), Mosaic_62 (B1), Phamished_66 (B1), PhrodoBaggins_65 (B1), PinheadLarry_63 (B1), Pipsqueak_62 (B1), Podrick_63 (B1), Pops_62 (B1), Roy17_62 (B1), SDcharge11_64 (B1), Serpentine_0064 (B1), ShiVal_62 (B1), Soto_62 (B1), Squid_63 (B1), ThreeOh3D2_65 (B1), Trypo_66 (B1), TyrionL_65 (B1), Vista_63 (B1), Windsor_64 (B1), Zonia_65 (B1),

Start 12:

- Found in 273 of 273 (100.0%) of genes in pham
- Manual Annotations of this start: 194 of 246
- Called 80.6% of time when present
- Phage (with cluster) where this start called: ABU_64 (B1), AbsoluteMadLad_64 (B1), Adriana_66 (B1), Aelin_64 (B1), AltPhacts_63 (B1), Altwerkus_62 (B1), Anderson_65 (B1), Andre_66 (B1), Apizium_63 (B1), Ashraf_65 (B1), Badfish_64 (B1), Banjo_63 (B1), Basato_64 (B1), BatteryCK_63 (B1), Beaglebox_63 (B1), BlackStallion_65 (B1), BlueHusk_66 (B1), Bluephacebaby_64 (B1), Boehler_64 (B1), Brilliant_67 (B1), Buckeye_64 (B1), Burr_64 (B1), CamL_64 (B1), CampRoach_64 (B1), Cannibal_64 (B1), Carthage_63 (B1), Chaelin_65 (B1), Chah_65 (B1), Charles1_65 (B1), CharlieGBrown_63 (B1), CheetO_64 (B1), Cher_64 (B1), Childish_63 (B1), Chorkpop_64 (B1), Chute_65 (B1), Colbert_62 (B1), Coletti_67 (B1), Cornobble_63 (B1), Cosmolli16_65 (B1), Crownjwl_63 (B1), DaddyDaniels_66 (B1), Daffy_63 (B1), Daka_67 (B1), Dati_62 (B1), DelRivs_62 (B1), Dice_65 (B1), Dingo_62 (B1), Dione_62 (B1), DirtJuice_65 (B1), DonSanchon_61 (B1), DuchessDung_64 (B1), Duggie_64 (B1), Durga_67 (B1), Emiris_66 (B1), Etaye_64 (B1), Eugenia_64 (B1), Fang_65 (B1), FluffyNinja_65 (B1), Fozzie_64 (B1), Frankicide_62 (B1), Freya_61 (B1), FugateOSU_65 (B1), GeneCoco_65 (B1), Gophee_65 (B1), Grand2040_63 (B1), Gwilliam_66 (B1), Haimas_63 (B1), Hamish_62 (B1), Harvey_62 (B1), HenryJackson_64 (B1), Hetaeria_63 (B1), HighStump_66 (B1), Hocus_63 (B1), Horchata_62 (B1), ImtiyazSitla_65 (B1), Inchworm_66 (B1), Inverness_63 (B1), Iridoclysis_64 (B1), IsaacEli_65 (B1), JDog_64 (B1), JakeO_65 (B1), JangoPhett_64 (B1), Jillium_64 (B1), Jiminy_65 (B1), Jiraiya_68 (B1), KLucky39_62 (B1), Kahve_64 (B1), Katniss_65 (B1), Keitherie_66 (B1), Kikipoo_65 (B1), Kimbrough_65 (B1), KingTut_56 (B1), KlimbOn_64 (B1), Kloppinator_65 (B1), Kwadwo_63 (B1), Labeouficaum_65 (B1), LasagnaCat_65 (B1), Lasso_64 (B1), Legolas_66 (B1), LeiMonet_67 (B1), LemonSlice_65 (B1), Longacauda_65 (B1), Lopsy_62 (B1), LostAndPhound_64 (B1), LuckyMarjie_62 (B1), Lulwa_62 (B1), Lumine_65 (B1), MRabcd_64 (B1), Mag7_63 (B1), Magic8_65 (B1), Mana_63 (B1), Manad_63 (B1), Maru_64 (B1), Maskar_65 (B1), Matalotodo_64 (B1), Mcshane_63 (B1), Mecca_64 (B1), Megamind20_65 (B1), Melc17_62 (B1), MelsMeow_64 (B1), Mesh1_65 (B1), MichaelPhcott_63 (B1), Mikota_62 (B1), MiniBoss_62 (B1), Morgushi_63 (B1), MrPhizzler_64 (B1), Mulan_64 (B1),

Murdoc_62 (B1), Mutante_64 (B1), Newman_62 (B1), Nicole21_65 (B1), Numberten_63 (B1), Nyala_63 (B1), OSmaximus_65 (B1), Olak_65 (B1), Oline_64 (B1), Olive_64 (B1), OliverWalter_62 (B1), Omniscient_65 (B1), Oosterbaan_63 (B1), Orfeu_64 (B1), Orion_65 (B1), Orwigg_64 (B1), PG1_64 (B1), Pacifista_67 (B1), Phareon_63 (B1), PhatCats2014_64 (B1), PhatLouie_66 (B1), PhenghisKhan_65 (B1), Pherdinand_65 (B1), Phergie_65 (B1), Phipps_64 (B1), Phleuron_63 (B1), PhrankReynolds_64 (B1), Phunky_62 (B1), Pinkman_64 (B1), Placalicious_65 (B1), Plmatters_63 (B1), Potter_62 (B1), Prickles_66 (B1), ProfessorX_63 (B1), Puhltonio_63 (B1), QueenBeane_64 (B1), Quisquilliae_65 (B1), RedMaple_65 (B1), Ricotta_63 (B1), Riggan_65 (B1), Rimu_67 (B1), Robyn_64 (B1), Roliet_62 (B1), Roscoe_65 (B1), Samaymay_64 (B1), SassyCat97_63 (B1), Schadenfreude_64 (B1), Schueller_65 (B1), Scoot17C_64 (B1), Scrick_64 (B1), Selr12_66 (B1), Serendipity_63 (B1), Sheila_61 (B1), Sigman_64 (B1), Simielle_64 (B1), Skippy_65 (B1), Slatt_65 (B1), Soile_65 (B1), Sophia_63 (B1), Spartan300_64 (B1), Squiggle_64 (B1), Struggle_65 (B1), Surely_64 (B1), Swiphy_68 (B1), Swish_65 (B1), TallGrassMM_63 (B1), Telesworld_62 (B1), Thora_63 (B1), Thunderbird_65 (B1), Timmi_63 (B1), TomBombadil_64 (B1), Tomlarah_65 (B1), Toni_64 (B1), Tooj_62 (B1), True_63 (B1), UAch1_64 (B1), UncleHowie_62 (B1), Usavi_64 (B1), Vaishali24_63 (B1), Valjean_64 (B1), Vaticameos_61 (B1), Veritas_64 (B1), Virapocalypse_65 (B1), Virgeve_63 (B1), Vortex_63 (B1), Wallhey_65 (B1), Waterdiva_64 (B1), Weher20_62 (B1), Xavier_63 (B1), Yoshand_65 (B1), YouGoGlencoco_65 (B1), Zaider_65 (B1), Zelda_65 (B1),

Summary by clusters:

There is one cluster represented in this pham: B1

Info for manual annotations of cluster B1:

- Start number 6 was manually annotated 5 times for cluster B1.
- Start number 7 was manually annotated 1 time for cluster B1.
- Start number 10 was manually annotated 46 times for cluster B1.
- Start number 12 was manually annotated 194 times for cluster B1.

Gene Information:

Gene: ABU_64 Start: 55588, Stop: 55232, Start Num: 12

Candidate Starts for ABU_64:

(4, 55876), (Start: 6 @55729 has 5 MA's), (Start: 10 @55669 has 46 MA's), (Start: 12 @55588 has 194 MA's), (13, 55522), (14, 55501), (19, 55417), (20, 55291), (21, 55285), (22, 55240),

Gene: AbsoluteMadLad_64 Start: 55542, Stop: 55186, Start Num: 12

Candidate Starts for AbsoluteMadLad_64:

(4, 55830), (Start: 6 @55683 has 5 MA's), (Start: 10 @55623 has 46 MA's), (Start: 12 @55542 has 194 MA's), (13, 55476), (14, 55455), (19, 55371), (20, 55245), (21, 55239), (22, 55194),

Gene: Adriana_66 Start: 56169, Stop: 55813, Start Num: 12

Candidate Starts for Adriana_66:

(4, 56457), (Start: 6 @56310 has 5 MA's), (Start: 10 @56250 has 46 MA's), (Start: 12 @56169 has 194 MA's), (13, 56103), (14, 56082), (19, 55998), (20, 55872), (21, 55866), (22, 55821),

Gene: Aelin_64 Start: 55106, Stop: 54750, Start Num: 12

Candidate Starts for Aelin_64:

(4, 55394), (Start: 6 @55247 has 5 MA's), (Start: 10 @55187 has 46 MA's), (Start: 12 @55106 has 194 MA's), (13, 55040), (19, 54935), (20, 54809), (21, 54803), (22, 54758),

Gene: AltPhacts_63 Start: 54655, Stop: 54299, Start Num: 12

Candidate Starts for AltPhacts_63:

(4, 54943), (Start: 6 @54796 has 5 MA's), (Start: 10 @54736 has 46 MA's), (Start: 12 @54655 has 194 MA's), (13, 54589), (14, 54568), (17, 54505), (19, 54484), (20, 54358), (21, 54352), (22, 54307),

Gene: Altwerkus_62 Start: 54752, Stop: 54396, Start Num: 12

Candidate Starts for Altwerkus_62:

(4, 55040), (Start: 6 @54893 has 5 MA's), (Start: 10 @54833 has 46 MA's), (Start: 12 @54752 has 194 MA's), (13, 54686), (14, 54665), (19, 54581), (20, 54455), (21, 54449), (22, 54404),

Gene: Anderson_65 Start: 55324, Stop: 54968, Start Num: 12

Candidate Starts for Anderson_65:

(4, 55612), (Start: 6 @55465 has 5 MA's), (Start: 10 @55405 has 46 MA's), (Start: 12 @55324 has 194 MA's), (13, 55258), (14, 55237), (19, 55153), (20, 55027), (21, 55021), (22, 54976),

Gene: Andre_66 Start: 55500, Stop: 55144, Start Num: 12

Candidate Starts for Andre_66:

(4, 55788), (Start: 6 @55641 has 5 MA's), (Start: 10 @55581 has 46 MA's), (Start: 12 @55500 has 194 MA's), (13, 55434), (14, 55413), (19, 55329), (20, 55203), (21, 55197), (22, 55152),

Gene: Antonia_63 Start: 55187, Stop: 54750, Start Num: 10

Candidate Starts for Antonia_63:

(4, 55394), (Start: 6 @55247 has 5 MA's), (Start: 10 @55187 has 46 MA's), (Start: 12 @55106 has 194 MA's), (13, 55040), (19, 54935), (20, 54809), (21, 54803), (22, 54758),

Gene: Apizium_63 Start: 54774, Stop: 54418, Start Num: 12

Candidate Starts for Apizium_63:

(4, 55056), (Start: 6 @54915 has 5 MA's), (8, 54897), (Start: 10 @54855 has 46 MA's), (Start: 12 @54774 has 194 MA's), (13, 54708), (14, 54687), (16, 54642), (19, 54603), (20, 54477), (21, 54471), (22, 54426),

Gene: Ashraf_65 Start: 55320, Stop: 54964, Start Num: 12

Candidate Starts for Ashraf_65:

(4, 55608), (Start: 6 @55461 has 5 MA's), (Start: 10 @55401 has 46 MA's), (Start: 12 @55320 has 194 MA's), (13, 55254), (14, 55233), (16, 55188), (17, 55170), (19, 55149), (20, 55023), (21, 55017), (22, 54972),

Gene: Badfish_64 Start: 55610, Stop: 55254, Start Num: 12

Candidate Starts for Badfish_64:

(4, 55898), (Start: 6 @55751 has 5 MA's), (Start: 10 @55691 has 46 MA's), (Start: 12 @55610 has 194 MA's), (13, 55544), (14, 55523), (19, 55439), (20, 55313), (21, 55307), (22, 55262),

Gene: Banjo_63 Start: 55099, Stop: 54743, Start Num: 12

Candidate Starts for Banjo_63:

(4, 55387), (Start: 6 @55240 has 5 MA's), (Start: 10 @55180 has 46 MA's), (Start: 12 @55099 has 194 MA's), (13, 55033), (14, 55012), (17, 54949), (19, 54928), (20, 54802), (21, 54796), (22, 54751),

Gene: Basato_64 Start: 55373, Stop: 55017, Start Num: 12

Candidate Starts for Basato_64:

(4, 55661), (Start: 6 @55514 has 5 MA's), (Start: 10 @55454 has 46 MA's), (Start: 12 @55373 has 194 MA's), (13, 55307), (14, 55286), (19, 55202), (20, 55076), (21, 55070), (22, 55025),

Gene: BatteryCK_63 Start: 55067, Stop: 54735, Start Num: 12

Candidate Starts for BatteryCK_63:

(4, 55355), (Start: 6 @55208 has 5 MA's), (Start: 10 @55148 has 46 MA's), (Start: 12 @55067 has 194 MA's), (13, 55001), (14, 54980), (17, 54917), (19, 54896), (20, 54770), (21, 54764),

Gene: Beaglebox_63 Start: 55163, Stop: 54807, Start Num: 12

Candidate Starts for Beaglebox_63:

(4, 55451), (Start: 6 @55304 has 5 MA's), (Start: 10 @55244 has 46 MA's), (Start: 12 @55163 has 194 MA's), (13, 55097), (14, 55076), (19, 54992), (20, 54866), (21, 54860), (22, 54815),

Gene: Bishoperium_64 Start: 55719, Stop: 55282, Start Num: 10

Candidate Starts for Bishoperium_64:

(4, 55926), (Start: 6 @55779 has 5 MA's), (Start: 10 @55719 has 46 MA's), (Start: 12 @55638 has 194 MA's), (13, 55572), (14, 55551), (19, 55467), (20, 55341), (21, 55335), (22, 55290),

Gene: BlackStallion_65 Start: 55367, Stop: 55011, Start Num: 12

Candidate Starts for BlackStallion_65:

(4, 55655), (Start: 6 @55508 has 5 MA's), (Start: 10 @55448 has 46 MA's), (Start: 12 @55367 has 194 MA's), (13, 55301), (19, 55196), (20, 55070), (21, 55064), (22, 55019),

Gene: BlueHusk_66 Start: 55122, Stop: 54766, Start Num: 12

Candidate Starts for BlueHusk_66:

(4, 55410), (Start: 6 @55263 has 5 MA's), (Start: 10 @55203 has 46 MA's), (Start: 12 @55122 has 194 MA's), (13, 55056), (14, 55035), (19, 54951), (20, 54825), (21, 54819), (22, 54774),

Gene: Bluephacebaby_64 Start: 55641, Stop: 55285, Start Num: 12

Candidate Starts for Bluephacebaby_64:

(4, 55929), (Start: 6 @55782 has 5 MA's), (Start: 10 @55722 has 46 MA's), (Start: 12 @55641 has 194 MA's), (13, 55575), (14, 55554), (16, 55509), (17, 55491), (19, 55470), (20, 55344), (21, 55338), (22, 55293),

Gene: Boehler_64 Start: 55285, Stop: 54929, Start Num: 12

Candidate Starts for Boehler_64:

(4, 55573), (Start: 6 @55426 has 5 MA's), (Start: 10 @55366 has 46 MA's), (Start: 12 @55285 has 194 MA's), (13, 55219), (14, 55198), (17, 55135), (19, 55114), (20, 54988), (21, 54982), (22, 54937),

Gene: Brilliant_67 Start: 55607, Stop: 55251, Start Num: 12

Candidate Starts for Brilliant_67:

(4, 55895), (Start: 6 @55748 has 5 MA's), (8, 55730), (Start: 10 @55688 has 46 MA's), (Start: 12 @55607 has 194 MA's), (13, 55541), (14, 55520), (19, 55436), (20, 55310), (21, 55304), (22, 55259),

Gene: Buckeye_64 Start: 55899, Stop: 55543, Start Num: 12

Candidate Starts for Buckeye_64:

(4, 56187), (Start: 6 @56040 has 5 MA's), (Start: 10 @55980 has 46 MA's), (Start: 12 @55899 has 194 MA's), (13, 55833), (14, 55812), (19, 55728), (20, 55602), (21, 55596), (22, 55551),

Gene: Burr_64 Start: 55074, Stop: 54718, Start Num: 12

Candidate Starts for Burr_64:

(4, 55362), (Start: 6 @55215 has 5 MA's), (Start: 10 @55155 has 46 MA's), (Start: 12 @55074 has 194 MA's), (13, 55008), (14, 54987), (19, 54903), (20, 54777), (21, 54771), (22, 54726),

Gene: CamL_64 Start: 55406, Stop: 55050, Start Num: 12

Candidate Starts for CamL_64:

(4, 55694), (Start: 6 @55547 has 5 MA's), (Start: 10 @55487 has 46 MA's), (Start: 12 @55406 has 194 MA's), (13, 55340), (19, 55235), (20, 55109), (21, 55103), (22, 55058),

Gene: CampRoach_64 Start: 55511, Stop: 55155, Start Num: 12

Candidate Starts for CampRoach_64:

(4, 55799), (Start: 6 @55652 has 5 MA's), (Start: 10 @55592 has 46 MA's), (Start: 12 @55511 has 194 MA's), (13, 55445), (14, 55424), (16, 55379), (17, 55361), (19, 55340), (20, 55214), (21, 55208), (22, 55163),

Gene: Cannibal_64 Start: 55348, Stop: 54992, Start Num: 12

Candidate Starts for Cannibal_64:

(4, 55636), (Start: 6 @55489 has 5 MA's), (Start: 10 @55429 has 46 MA's), (Start: 12 @55348 has 194 MA's), (13, 55282), (14, 55261), (19, 55177), (20, 55051), (21, 55045), (22, 55000),

Gene: Carthage_63 Start: 54586, Stop: 54230, Start Num: 12

Candidate Starts for Carthage_63:

(4, 54874), (Start: 6 @54727 has 5 MA's), (Start: 10 @54667 has 46 MA's), (Start: 12 @54586 has 194 MA's), (13, 54520), (14, 54499), (19, 54415), (20, 54289), (21, 54283), (22, 54238),

Gene: Chaelin_65 Start: 55636, Stop: 55280, Start Num: 12

Candidate Starts for Chaelin_65:

(4, 55924), (Start: 6 @55777 has 5 MA's), (Start: 10 @55717 has 46 MA's), (Start: 12 @55636 has 194 MA's), (13, 55570), (14, 55549), (19, 55465), (20, 55339), (21, 55333), (22, 55288),

Gene: Chah_65 Start: 55051, Stop: 54695, Start Num: 12

Candidate Starts for Chah_65:

(4, 55339), (Start: 6 @55192 has 5 MA's), (Start: 10 @55132 has 46 MA's), (Start: 12 @55051 has 194 MA's), (13, 54985), (14, 54964), (19, 54880), (20, 54754), (21, 54748), (22, 54703),

Gene: Charles1_65 Start: 55361, Stop: 55005, Start Num: 12

Candidate Starts for Charles1_65:

(4, 55649), (Start: 6 @55502 has 5 MA's), (Start: 10 @55442 has 46 MA's), (Start: 12 @55361 has 194 MA's), (13, 55295), (14, 55274), (19, 55190), (20, 55064), (21, 55058), (22, 55013),

Gene: CharlieGBrown_63 Start: 55011, Stop: 54679, Start Num: 12

Candidate Starts for CharlieGBrown_63:

(11, 55068), (Start: 12 @55011 has 194 MA's), (13, 54945), (14, 54924), (16, 54879), (19, 54840), (20, 54714), (21, 54708),

Gene: CheetO_64 Start: 55322, Stop: 54966, Start Num: 12

Candidate Starts for CheetO_64:

(4, 55610), (Start: 6 @55463 has 5 MA's), (Start: 10 @55403 has 46 MA's), (Start: 12 @55322 has 194 MA's), (13, 55256), (14, 55235), (19, 55151), (20, 55025), (21, 55019), (22, 54974),

Gene: Cher_64 Start: 55616, Stop: 55260, Start Num: 12

Candidate Starts for Cher_64:

(4, 55904), (Start: 6 @55757 has 5 MA's), (Start: 10 @55697 has 46 MA's), (Start: 12 @55616 has 194 MA's), (13, 55550), (14, 55529), (19, 55445), (20, 55319), (21, 55313), (22, 55268),

Gene: Childish_63 Start: 55627, Stop: 55271, Start Num: 12

Candidate Starts for Childish_63:

(4, 55915), (Start: 6 @55768 has 5 MA's), (Start: 10 @55708 has 46 MA's), (Start: 12 @55627 has 194 MA's), (13, 55561), (14, 55540), (19, 55456), (20, 55330), (21, 55324), (22, 55279),

Gene: Chorkpop_64 Start: 55103, Stop: 54747, Start Num: 12

Candidate Starts for Chorkpop_64:

(4, 55391), (Start: 6 @55244 has 5 MA's), (Start: 10 @55184 has 46 MA's), (Start: 12 @55103 has 194 MA's), (13, 55037), (14, 55016), (19, 54932), (20, 54806), (21, 54800), (22, 54755),

Gene: Chunky_63 Start: 54733, Stop: 54296, Start Num: 10

Candidate Starts for Chunky_63:

(4, 54940), (Start: 6 @54793 has 5 MA's), (Start: 10 @54733 has 46 MA's), (Start: 12 @54652 has 194 MA's), (13, 54586), (14, 54565), (17, 54502), (19, 54481), (20, 54355), (21, 54349), (22, 54304),

Gene: Chute_65 Start: 55664, Stop: 55308, Start Num: 12

Candidate Starts for Chute_65:

(4, 55952), (Start: 6 @55805 has 5 MA's), (Start: 10 @55745 has 46 MA's), (Start: 12 @55664 has 194 MA's), (13, 55598), (14, 55577), (19, 55493), (20, 55367), (21, 55361), (22, 55316),

Gene: Cobra_65 Start: 55729, Stop: 55292, Start Num: 10

Candidate Starts for Cobra_65:

(4, 55936), (Start: 6 @55789 has 5 MA's), (Start: 10 @55729 has 46 MA's), (Start: 12 @55648 has 194 MA's), (13, 55582), (14, 55561), (19, 55477), (20, 55351), (21, 55345), (22, 55300),

Gene: Colbert_62 Start: 54662, Stop: 54306, Start Num: 12

Candidate Starts for Colbert_62:

(4, 54950), (Start: 6 @54803 has 5 MA's), (Start: 10 @54743 has 46 MA's), (Start: 12 @54662 has 194 MA's), (13, 54596), (14, 54575), (19, 54491), (20, 54365), (21, 54359), (22, 54314),

Gene: Coletti_67 Start: 56164, Stop: 55808, Start Num: 12

Candidate Starts for Coletti_67:

(4, 56452), (Start: 6 @56305 has 5 MA's), (Start: 10 @56245 has 46 MA's), (Start: 12 @56164 has 194 MA's), (13, 56098), (14, 56077), (19, 55993), (20, 55867), (21, 55861), (22, 55816),

Gene: Cornobble_63 Start: 55096, Stop: 54740, Start Num: 12

Candidate Starts for Cornobble_63:

(4, 55384), (Start: 6 @55237 has 5 MA's), (Start: 10 @55177 has 46 MA's), (Start: 12 @55096 has 194 MA's), (13, 55030), (14, 55009), (19, 54925), (20, 54799), (21, 54793), (22, 54748),

Gene: Cosmolli16_65 Start: 55806, Stop: 55450, Start Num: 12

Candidate Starts for Cosmolli16_65:

(4, 56094), (Start: 6 @55947 has 5 MA's), (Start: 10 @55887 has 46 MA's), (Start: 12 @55806 has 194 MA's), (13, 55740), (14, 55719), (19, 55635), (20, 55509), (21, 55503), (22, 55458),

Gene: Craff_67 Start: 56132, Stop: 55695, Start Num: 10

Candidate Starts for Craff_67:

(4, 56339), (Start: 6 @56192 has 5 MA's), (Start: 10 @56132 has 46 MA's), (Start: 12 @56051 has 194 MA's), (13, 55985), (14, 55964), (17, 55901), (19, 55880), (20, 55754), (21, 55748), (22, 55703),

Gene: Crownjwl_63 Start: 55125, Stop: 54769, Start Num: 12

Candidate Starts for Crownjwl_63:

(4, 55413), (Start: 6 @55266 has 5 MA's), (Start: 10 @55206 has 46 MA's), (Start: 12 @55125 has 194 MA's), (13, 55059), (14, 55038), (17, 54975), (19, 54954), (20, 54828), (21, 54822), (22, 54777),

Gene: DaddyDaniels_66 Start: 55584, Stop: 55228, Start Num: 12

Candidate Starts for DaddyDaniels_66:

(4, 55872), (Start: 6 @55725 has 5 MA's), (Start: 10 @55665 has 46 MA's), (Start: 12 @55584 has 194 MA's), (13, 55518), (14, 55497), (19, 55413), (20, 55287), (21, 55281), (22, 55236),

Gene: Daffy_63 Start: 55089, Stop: 54733, Start Num: 12

Candidate Starts for Daffy_63:

(4, 55377), (Start: 6 @55230 has 5 MA's), (Start: 10 @55170 has 46 MA's), (Start: 12 @55089 has 194 MA's), (13, 55023), (14, 55002), (19, 54918), (20, 54792), (21, 54786), (22, 54741),

Gene: Daka_67 Start: 55605, Stop: 55249, Start Num: 12

Candidate Starts for Daka_67:

(4, 55893), (Start: 6 @55746 has 5 MA's), (Start: 10 @55686 has 46 MA's), (Start: 12 @55605 has 194 MA's), (13, 55539), (14, 55518), (19, 55434), (20, 55308), (21, 55302), (22, 55257),

Gene: Dati_62 Start: 55432, Stop: 55100, Start Num: 12

Candidate Starts for Dati_62:

(4, 55720), (Start: 6 @55573 has 5 MA's), (Start: 10 @55513 has 46 MA's), (Start: 12 @55432 has 194 MA's), (13, 55366), (14, 55345), (17, 55282), (19, 55261), (20, 55135), (21, 55129),

Gene: DelRivs_62 Start: 55074, Stop: 54718, Start Num: 12

Candidate Starts for DelRivs_62:

(4, 55362), (Start: 6 @55215 has 5 MA's), (8, 55197), (Start: 10 @55155 has 46 MA's), (Start: 12 @55074 has 194 MA's), (13, 55008), (14, 54987), (19, 54903), (20, 54777), (21, 54771), (22, 54726),

Gene: Derpp_64 Start: 55269, Stop: 54832, Start Num: 10

Candidate Starts for Derpp_64:

(4, 55476), (Start: 6 @55329 has 5 MA's), (Start: 10 @55269 has 46 MA's), (Start: 12 @55188 has 194 MA's), (13, 55122), (14, 55101), (16, 55056), (19, 55017), (20, 54891), (21, 54885), (22, 54840),

Gene: Dice_65 Start: 55072, Stop: 54716, Start Num: 12

Candidate Starts for Dice_65:

(4, 55360), (Start: 6 @55213 has 5 MA's), (Start: 10 @55153 has 46 MA's), (Start: 12 @55072 has 194 MA's), (13, 55006), (14, 54985), (19, 54901), (20, 54775), (21, 54769), (22, 54724),

Gene: Dingo_62 Start: 54631, Stop: 54275, Start Num: 12

Candidate Starts for Dingo_62:

(4, 54919), (Start: 6 @54772 has 5 MA's), (Start: 10 @54712 has 46 MA's), (Start: 12 @54631 has 194 MA's), (13, 54565), (14, 54544), (19, 54460), (20, 54334), (21, 54328), (22, 54283),

Gene: Dione_62 Start: 54803, Stop: 54447, Start Num: 12

Candidate Starts for Dione_62:

(4, 55091), (Start: 6 @54944 has 5 MA's), (Start: 10 @54884 has 46 MA's), (Start: 12 @54803 has 194 MA's), (13, 54737), (14, 54716), (19, 54632), (20, 54506), (21, 54500), (22, 54455),

Gene: DirtJuice_65 Start: 55393, Stop: 55037, Start Num: 12

Candidate Starts for DirtJuice_65:

(4, 55681), (Start: 6 @55534 has 5 MA's), (Start: 10 @55474 has 46 MA's), (Start: 12 @55393 has 194 MA's), (13, 55327), (14, 55306), (19, 55222), (20, 55096), (21, 55090), (22, 55045),

Gene: Doddsville_63 Start: 55232, Stop: 54819, Start Num: 10

Candidate Starts for Doddsville_63:

(4, 55439), (Start: 6 @55292 has 5 MA's), (Start: 10 @55232 has 46 MA's), (Start: 12 @55151 has 194 MA's), (13, 55085), (14, 55064), (17, 55001), (19, 54980), (20, 54854), (21, 54848),

Gene: DoesntMatter_61 Start: 55177, Stop: 54740, Start Num: 10

Candidate Starts for DoesntMatter_61:

(4, 55384), (Start: 6 @55237 has 5 MA's), (Start: 10 @55177 has 46 MA's), (Start: 12 @55096 has 194 MA's), (13, 55030), (14, 55009), (19, 54925), (20, 54799), (21, 54793), (22, 54748),

Gene: DonSanchon_61 Start: 54786, Stop: 54430, Start Num: 12

Candidate Starts for DonSanchon_61:

(4, 55074), (Start: 6 @54927 has 5 MA's), (Start: 10 @54867 has 46 MA's), (Start: 12 @54786 has 194 MA's), (13, 54720), (14, 54699), (19, 54615), (20, 54489), (21, 54483), (22, 54438),

Gene: DuchessDung_64 Start: 54669, Stop: 54337, Start Num: 12

Candidate Starts for DuchessDung_64:

(4, 54957), (Start: 6 @54810 has 5 MA's), (Start: 10 @54750 has 46 MA's), (Start: 12 @54669 has 194 MA's), (13, 54603), (14, 54582), (17, 54519), (19, 54498), (20, 54372), (21, 54366),

Gene: Duggie_64 Start: 55347, Stop: 54991, Start Num: 12

Candidate Starts for Duggie_64:

(4, 55635), (Start: 6 @55488 has 5 MA's), (8, 55470), (Start: 10 @55428 has 46 MA's), (Start: 12 @55347 has 194 MA's), (13, 55281), (14, 55260), (19, 55176), (20, 55050), (21, 55044), (22, 54999),

Gene: Durga_67 Start: 55836, Stop: 55480, Start Num: 12

Candidate Starts for Durga_67:

(4, 56124), (Start: 6 @55977 has 5 MA's), (8, 55959), (Start: 10 @55917 has 46 MA's), (Start: 12 @55836 has 194 MA's), (13, 55770), (14, 55749), (19, 55665), (20, 55539), (21, 55533), (22, 55488),

Gene: Emiris_66 Start: 55803, Stop: 55447, Start Num: 12

Candidate Starts for Emiris_66:

(4, 56091), (Start: 6 @55944 has 5 MA's), (Start: 10 @55884 has 46 MA's), (Start: 12 @55803 has 194 MA's), (13, 55737), (14, 55716), (19, 55632), (20, 55506), (21, 55500), (22, 55455),

Gene: EmpTee_63 Start: 55453, Stop: 54956, Start Num: 6

Candidate Starts for EmpTee_63:

(4, 55600), (Start: 6 @55453 has 5 MA's), (Start: 10 @55393 has 46 MA's), (Start: 12 @55312 has 194 MA's), (13, 55246), (14, 55225), (17, 55162), (19, 55141), (20, 55015), (21, 55009), (22, 54964),

Gene: Eremos_63 Start: 55383, Stop: 54946, Start Num: 10

Candidate Starts for Eremos_63:

(4, 55590), (Start: 6 @55443 has 5 MA's), (Start: 10 @55383 has 46 MA's), (Start: 12 @55302 has 194 MA's), (13, 55236), (14, 55215), (19, 55131), (20, 55005), (21, 54999), (22, 54954),

Gene: Etaye_64 Start: 55945, Stop: 55613, Start Num: 12

Candidate Starts for Etaye_64:

(4, 56233), (Start: 6 @56086 has 5 MA's), (Start: 10 @56026 has 46 MA's), (Start: 12 @55945 has 194 MA's), (13, 55879), (14, 55858), (17, 55795), (19, 55774), (20, 55648), (21, 55642),

Gene: Eugenia_64 Start: 55455, Stop: 55099, Start Num: 12

Candidate Starts for Eugenia_64:

(4, 55743), (Start: 6 @55596 has 5 MA's), (Start: 10 @55536 has 46 MA's), (Start: 12 @55455 has 194 MA's), (13, 55389), (14, 55368), (19, 55284), (20, 55158), (21, 55152), (22, 55107),

Gene: Fang_65 Start: 55348, Stop: 54992, Start Num: 12

Candidate Starts for Fang_65:

(4, 55636), (Start: 6 @55489 has 5 MA's), (Start: 10 @55429 has 46 MA's), (Start: 12 @55348 has 194 MA's), (13, 55282), (14, 55261), (19, 55177), (20, 55051), (21, 55045), (22, 55000),

Gene: FluffyNinja_65 Start: 55368, Stop: 55012, Start Num: 12

Candidate Starts for FluffyNinja_65:

(4, 55656), (Start: 6 @55509 has 5 MA's), (Start: 10 @55449 has 46 MA's), (Start: 12 @55368 has 194 MA's), (13, 55302), (19, 55197), (20, 55071), (21, 55065), (22, 55020),

Gene: Fozzie_64 Start: 55594, Stop: 55238, Start Num: 12

Candidate Starts for Fozzie_64:

(4, 55882), (Start: 6 @55735 has 5 MA's), (Start: 10 @55675 has 46 MA's), (Start: 12 @55594 has 194 MA's), (13, 55528), (14, 55507), (19, 55423), (20, 55297), (21, 55291), (22, 55246),

Gene: Frankicide_62 Start: 55134, Stop: 54778, Start Num: 12

Candidate Starts for Frankicide_62:

(4, 55422), (Start: 6 @55275 has 5 MA's), (Start: 10 @55215 has 46 MA's), (Start: 12 @55134 has 194 MA's), (13, 55068), (14, 55047), (19, 54963), (20, 54837), (21, 54831), (22, 54786),

Gene: Freya_61 Start: 54794, Stop: 54438, Start Num: 12

Candidate Starts for Freya_61:

(4, 55082), (Start: 6 @54935 has 5 MA's), (Start: 10 @54875 has 46 MA's), (Start: 12 @54794 has 194 MA's), (13, 54728), (14, 54707), (19, 54623), (20, 54497), (21, 54491), (22, 54446),

Gene: FriarPreacher_63 Start: 55268, Stop: 54831, Start Num: 10

Candidate Starts for FriarPreacher_63:

(4, 55475), (Start: 6 @55328 has 5 MA's), (Start: 10 @55268 has 46 MA's), (Start: 12 @55187 has 194 MA's), (13, 55121), (14, 55100), (19, 55016), (20, 54890), (21, 54884), (22, 54839),

Gene: Fringe_68 Start: 56051, Stop: 55614, Start Num: 10

Candidate Starts for Fringe_68:

(4, 56258), (Start: 6 @56111 has 5 MA's), (Start: 10 @56051 has 46 MA's), (Start: 12 @55970 has 194 MA's), (13, 55904), (14, 55883), (16, 55838), (19, 55799), (20, 55673), (21, 55667), (22, 55622),

Gene: FugateOSU_65 Start: 56139, Stop: 55783, Start Num: 12

Candidate Starts for FugateOSU_65:

(4, 56427), (Start: 6 @56280 has 5 MA's), (Start: 10 @56220 has 46 MA's), (Start: 12 @56139 has 194 MA's), (13, 56073), (14, 56052), (19, 55968), (20, 55842), (21, 55836), (22, 55791),

Gene: Gareth_64 Start: 55673, Stop: 55236, Start Num: 10

Candidate Starts for Gareth_64:

(4, 55880), (Start: 6 @55733 has 5 MA's), (Start: 10 @55673 has 46 MA's), (Start: 12 @55592 has 194 MA's), (13, 55526), (14, 55505), (19, 55421), (20, 55295), (21, 55289), (22, 55244),

Gene: GeneCoco_65 Start: 55636, Stop: 55280, Start Num: 12

Candidate Starts for GeneCoco_65:

(4, 55924), (Start: 6 @55777 has 5 MA's), (Start: 10 @55717 has 46 MA's), (Start: 12 @55636 has 194 MA's), (13, 55570), (14, 55549), (16, 55504), (19, 55465), (20, 55339), (21, 55333), (22, 55288),

Gene: Giraffe_64 Start: 55668, Stop: 55231, Start Num: 10

Candidate Starts for Giraffe_64:

(4, 55875), (Start: 6 @55728 has 5 MA's), (Start: 10 @55668 has 46 MA's), (Start: 12 @55587 has 194 MA's), (13, 55521), (14, 55500), (19, 55416), (20, 55290), (21, 55284), (22, 55239),

Gene: Gophee_65 Start: 55578, Stop: 55222, Start Num: 12

Candidate Starts for Gophee_65:

(4, 55866), (Start: 6 @55719 has 5 MA's), (Start: 10 @55659 has 46 MA's), (Start: 12 @55578 has 194 MA's), (13, 55512), (14, 55491), (19, 55407), (20, 55281), (21, 55275), (22, 55230),

Gene: Grand2040_63 Start: 55581, Stop: 55225, Start Num: 12

Candidate Starts for Grand2040_63:

(4, 55869), (Start: 6 @55722 has 5 MA's), (Start: 10 @55662 has 46 MA's), (Start: 12 @55581 has 194 MA's), (13, 55515), (14, 55494), (19, 55410), (20, 55284), (21, 55278), (22, 55233),

Gene: Gwilliam_66 Start: 55986, Stop: 55630, Start Num: 12

Candidate Starts for Gwilliam_66:

(4, 56274), (Start: 6 @56127 has 5 MA's), (Start: 10 @56067 has 46 MA's), (Start: 12 @55986 has 194 MA's), (13, 55920), (14, 55899), (16, 55854), (19, 55815), (20, 55689), (21, 55683), (22, 55638),

Gene: Gyarad_0063 Start: 54749, Stop: 54312, Start Num: 10

Candidate Starts for Gyarad_0063:

(4, 54956), (Start: 6 @54809 has 5 MA's), (Start: 10 @54749 has 46 MA's), (Start: 12 @54668 has 194 MA's), (13, 54602), (14, 54581), (16, 54536), (19, 54497), (20, 54371), (21, 54365), (22, 54320),

Gene: HSavage_62 Start: 55193, Stop: 54756, Start Num: 10

Candidate Starts for HSavage_62:

(4, 55400), (Start: 6 @55253 has 5 MA's), (Start: 10 @55193 has 46 MA's), (Start: 12 @55112 has 194 MA's), (13, 55046), (14, 55025), (19, 54941), (20, 54815), (21, 54809), (22, 54764),

Gene: Haimas_63 Start: 55029, Stop: 54673, Start Num: 12

Candidate Starts for Haimas_63:

(4, 55317), (Start: 6 @55170 has 5 MA's), (Start: 10 @55110 has 46 MA's), (Start: 12 @55029 has 194 MA's), (13, 54963), (14, 54942), (19, 54858), (20, 54732), (21, 54726), (22, 54681),

Gene: Haleema_63 Start: 55214, Stop: 54777, Start Num: 10

Candidate Starts for Haleema_63:

(4, 55421), (Start: 6 @55274 has 5 MA's), (Start: 10 @55214 has 46 MA's), (Start: 12 @55133 has 194 MA's), (13, 55067), (14, 55046), (19, 54962), (20, 54836), (21, 54830), (22, 54785),

Gene: Hamish_62 Start: 55023, Stop: 54667, Start Num: 12

Candidate Starts for Hamish_62:

(4, 55311), (Start: 6 @55164 has 5 MA's), (Start: 10 @55104 has 46 MA's), (Start: 12 @55023 has 194 MA's), (13, 54957), (14, 54936), (19, 54852), (20, 54726), (21, 54720), (22, 54675),

Gene: Hartsy_62 Start: 55414, Stop: 54941, Start Num: 6

Candidate Starts for Hartsy_62:

(4, 55561), (Start: 6 @55414 has 5 MA's), (Start: 10 @55354 has 46 MA's), (Start: 12 @55273 has 194 MA's), (13, 55207), (14, 55186), (17, 55123), (19, 55102), (20, 54976), (21, 54970),

Gene: Harvey_62 Start: 55116, Stop: 54760, Start Num: 12

Candidate Starts for Harvey_62:

(4, 55404), (Start: 6 @55257 has 5 MA's), (Start: 10 @55197 has 46 MA's), (Start: 12 @55116 has 194 MA's), (13, 55050), (14, 55029), (19, 54945), (20, 54819), (21, 54813), (22, 54768),

Gene: Held_63 Start: 55171, Stop: 54734, Start Num: 10

Candidate Starts for Held_63:

(4, 55378), (Start: 6 @55231 has 5 MA's), (Start: 10 @55171 has 46 MA's), (Start: 12 @55090 has 194 MA's), (13, 55024), (14, 55003), (19, 54919), (20, 54793), (21, 54787), (22, 54742),

Gene: HenryJackson_64 Start: 55616, Stop: 55260, Start Num: 12

Candidate Starts for HenryJackson_64:

(4, 55904), (Start: 6 @55757 has 5 MA's), (Start: 10 @55697 has 46 MA's), (Start: 12 @55616 has 194 MA's), (13, 55550), (14, 55529), (19, 55445), (20, 55319), (21, 55313), (22, 55268),

Gene: Hertubise_63 Start: 55463, Stop: 55026, Start Num: 10

Candidate Starts for Hertubise_63:

(4, 55670), (Start: 6 @55523 has 5 MA's), (Start: 10 @55463 has 46 MA's), (Start: 12 @55382 has 194 MA's), (13, 55316), (14, 55295), (19, 55211), (20, 55085), (21, 55079), (22, 55034),

Gene: Hetaeria_63 Start: 55321, Stop: 54965, Start Num: 12

Candidate Starts for Hetaeria_63:

(11, 55378), (Start: 12 @55321 has 194 MA's), (13, 55255), (14, 55234), (19, 55150), (20, 55024), (21, 55018), (22, 54973),

Gene: HighStump_66 Start: 55593, Stop: 55237, Start Num: 12

Candidate Starts for HighStump_66:

(4, 55881), (Start: 6 @55734 has 5 MA's), (Start: 10 @55674 has 46 MA's), (Start: 12 @55593 has 194 MA's), (13, 55527), (14, 55506), (19, 55422), (20, 55296), (21, 55290), (22, 55245),

Gene: Hocus_63 Start: 55077, Stop: 54721, Start Num: 12

Candidate Starts for Hocus_63:

(4, 55365), (Start: 6 @55218 has 5 MA's), (Start: 10 @55158 has 46 MA's), (Start: 12 @55077 has 194 MA's), (13, 55011), (14, 54990), (19, 54906), (20, 54780), (21, 54774), (22, 54729),

Gene: Horchata_62 Start: 55112, Stop: 54756, Start Num: 12

Candidate Starts for Horchata_62:

(4, 55400), (Start: 6 @55253 has 5 MA's), (Start: 10 @55193 has 46 MA's), (Start: 12 @55112 has 194 MA's), (13, 55046), (14, 55025), (19, 54941), (20, 54815), (21, 54809), (22, 54764),

Gene: ImtiyazSitla_65 Start: 55320, Stop: 54964, Start Num: 12

Candidate Starts for ImtiyazSitla_65:

(4, 55608), (Start: 6 @55461 has 5 MA's), (Start: 10 @55401 has 46 MA's), (Start: 12 @55320 has 194 MA's), (13, 55254), (14, 55233), (16, 55188), (17, 55170), (19, 55149), (20, 55023), (21, 55017), (22, 54972),

Gene: Inchworm_66 Start: 55471, Stop: 55115, Start Num: 12

Candidate Starts for Inchworm_66:

(4, 55759), (Start: 6 @55612 has 5 MA's), (Start: 10 @55552 has 46 MA's), (Start: 12 @55471 has 194 MA's), (13, 55405), (14, 55384), (16, 55339), (17, 55321), (19, 55300), (20, 55174), (21, 55168), (22, 55123),

Gene: Inverness_63 Start: 55120, Stop: 54764, Start Num: 12

Candidate Starts for Inverness_63:

(4, 55408), (Start: 6 @55261 has 5 MA's), (Start: 10 @55201 has 46 MA's), (Start: 12 @55120 has 194 MA's), (13, 55054), (14, 55033), (17, 54970), (19, 54949), (20, 54823), (21, 54817), (22, 54772),

Gene: Iridoclysis_64 Start: 55404, Stop: 55048, Start Num: 12

Candidate Starts for Iridoclysis_64:

(4, 55692), (Start: 6 @55545 has 5 MA's), (Start: 10 @55485 has 46 MA's), (Start: 12 @55404 has 194 MA's), (13, 55338), (14, 55317), (19, 55233), (20, 55107), (21, 55101), (22, 55056),

Gene: IsaacEli_65 Start: 55603, Stop: 55247, Start Num: 12

Candidate Starts for IsaacEli_65:

(11, 55660), (Start: 12 @55603 has 194 MA's), (13, 55537), (14, 55516), (19, 55432), (20, 55306), (21, 55300), (22, 55255),

Gene: JDog_64 Start: 55626, Stop: 55270, Start Num: 12

Candidate Starts for JDog_64:

(4, 55914), (Start: 6 @55767 has 5 MA's), (Start: 10 @55707 has 46 MA's), (Start: 12 @55626 has 194 MA's), (13, 55560), (14, 55539), (19, 55455), (20, 55329), (21, 55323), (22, 55278),

Gene: JacAttac_65 Start: 55147, Stop: 54710, Start Num: 10

Candidate Starts for JacAttac_65:

(4, 55354), (Start: 6 @55207 has 5 MA's), (Start: 10 @55147 has 46 MA's), (Start: 12 @55066 has 194 MA's), (13, 55000), (14, 54979), (19, 54895), (20, 54769), (21, 54763), (22, 54718),

Gene: JakeO_65 Start: 55349, Stop: 54993, Start Num: 12

Candidate Starts for JakeO_65:

(4, 55637), (Start: 6 @55490 has 5 MA's), (8, 55472), (Start: 10 @55430 has 46 MA's), (Start: 12 @55349 has 194 MA's), (13, 55283), (14, 55262), (19, 55178), (20, 55052), (21, 55046), (22, 55001),

Gene: JangoPhett_64 Start: 55407, Stop: 55051, Start Num: 12

Candidate Starts for JangoPhett_64:

(4, 55695), (Start: 6 @55548 has 5 MA's), (Start: 10 @55488 has 46 MA's), (Start: 12 @55407 has 194 MA's), (13, 55341), (14, 55320), (19, 55236), (20, 55110), (21, 55104), (22, 55059),

Gene: Jillium_64 Start: 55611, Stop: 55255, Start Num: 12

Candidate Starts for Jillium_64:

(4, 55899), (Start: 6 @55752 has 5 MA's), (Start: 10 @55692 has 46 MA's), (Start: 12 @55611 has 194 MA's), (13, 55545), (14, 55524), (19, 55440), (20, 55314), (21, 55308), (22, 55263),

Gene: Jiminy_65 Start: 55185, Stop: 54829, Start Num: 12

Candidate Starts for Jiminy_65:

(4, 55473), (Start: 6 @55326 has 5 MA's), (8, 55308), (Start: 10 @55266 has 46 MA's), (Start: 12 @55185 has 194 MA's), (13, 55119), (14, 55098), (19, 55014), (20, 54888), (21, 54882), (22, 54837),

Gene: Jiraiya_68 Start: 55383, Stop: 55027, Start Num: 12

Candidate Starts for Jiraiya_68:

(4, 55671), (Start: 6 @55524 has 5 MA's), (Start: 10 @55464 has 46 MA's), (Start: 12 @55383 has 194 MA's), (13, 55317), (14, 55296), (19, 55212), (20, 55086), (21, 55080), (22, 55035),

Gene: KLucky39_62 Start: 54667, Stop: 54311, Start Num: 12

Candidate Starts for KLucky39_62:

(4, 54955), (Start: 6 @54808 has 5 MA's), (Start: 10 @54748 has 46 MA's), (Start: 12 @54667 has 194 MA's), (13, 54601), (14, 54580), (19, 54496), (20, 54370), (21, 54364), (22, 54319),

Gene: Kahve_64 Start: 55613, Stop: 55257, Start Num: 12

Candidate Starts for Kahve_64:

(4, 55901), (Start: 6 @55754 has 5 MA's), (Start: 10 @55694 has 46 MA's), (Start: 12 @55613 has 194 MA's), (13, 55547), (14, 55526), (19, 55442), (20, 55316), (21, 55310), (22, 55265),

Gene: Kailash_63 Start: 55592, Stop: 55179, Start Num: 10

Candidate Starts for Kailash_63:

(4, 55799), (Start: 6 @55652 has 5 MA's), (Start: 10 @55592 has 46 MA's), (Start: 12 @55511 has 194 MA's), (13, 55445), (14, 55424), (17, 55361), (19, 55340), (20, 55214), (21, 55208),

Gene: Katniss_65 Start: 55051, Stop: 54695, Start Num: 12

Candidate Starts for Katniss_65:

(4, 55339), (Start: 6 @55192 has 5 MA's), (Start: 10 @55132 has 46 MA's), (Start: 12 @55051 has 194 MA's), (13, 54985), (14, 54964), (19, 54880), (20, 54754), (21, 54748), (22, 54703),

Gene: Keitherie_66 Start: 55674, Stop: 55318, Start Num: 12

Candidate Starts for Keitherie_66:

(4, 55962), (Start: 6 @55815 has 5 MA's), (Start: 10 @55755 has 46 MA's), (Start: 12 @55674 has 194 MA's), (13, 55608), (14, 55587), (19, 55503), (20, 55377), (21, 55371), (22, 55326),

Gene: Kikipoo_65 Start: 55603, Stop: 55247, Start Num: 12

Candidate Starts for Kikipoo_65:

(11, 55660), (Start: 12 @55603 has 194 MA's), (13, 55537), (14, 55516), (19, 55432), (20, 55306), (21, 55300), (22, 55255),

Gene: Kimbrough_65 Start: 55654, Stop: 55298, Start Num: 12

Candidate Starts for Kimbrough_65:

(4, 55942), (Start: 6 @55795 has 5 MA's), (Start: 10 @55735 has 46 MA's), (Start: 12 @55654 has 194 MA's), (13, 55588), (14, 55567), (17, 55504), (19, 55483), (20, 55357), (21, 55351), (22, 55306),

Gene: KingTut_56 Start: 51818, Stop: 51462, Start Num: 12

Candidate Starts for KingTut_56:

(4, 52106), (Start: 6 @51959 has 5 MA's), (Start: 10 @51899 has 46 MA's), (Start: 12 @51818 has 194 MA's), (13, 51752), (14, 51731), (19, 51647), (20, 51521), (21, 51515), (22, 51470),

Gene: KingVeVeVe_63 Start: 54702, Stop: 54265, Start Num: 10

Candidate Starts for KingVeVeVe_63:

(4, 54909), (Start: 6 @54762 has 5 MA's), (Start: 10 @54702 has 46 MA's), (Start: 12 @54621 has 194 MA's), (13, 54555), (14, 54534), (17, 54471), (19, 54450), (20, 54324), (21, 54318), (22, 54273),

Gene: KlimbOn_64 Start: 55112, Stop: 54756, Start Num: 12

Candidate Starts for KlimbOn_64:

(4, 55400), (Start: 6 @55253 has 5 MA's), (Start: 10 @55193 has 46 MA's), (Start: 12 @55112 has 194 MA's), (13, 55046), (14, 55025), (19, 54941), (20, 54815), (21, 54809), (22, 54764),

Gene: Kloppinator_65 Start: 55263, Stop: 54907, Start Num: 12

Candidate Starts for Kloppinator_65:

(4, 55551), (Start: 6 @55404 has 5 MA's), (Start: 10 @55344 has 46 MA's), (Start: 12 @55263 has 194 MA's), (13, 55197), (14, 55176), (19, 55092), (20, 54966), (21, 54960), (22, 54915),

Gene: Kwadwo_63 Start: 55064, Stop: 54708, Start Num: 12

Candidate Starts for Kwadwo_63:

(4, 55352), (Start: 6 @55205 has 5 MA's), (Start: 10 @55145 has 46 MA's), (Start: 12 @55064 has 194 MA's), (13, 54998), (14, 54977), (19, 54893), (20, 54767), (21, 54761), (22, 54716),

Gene: Kwksand96_65 Start: 55341, Stop: 54844, Start Num: 6

Candidate Starts for Kwksand96_65:

(4, 55488), (Start: 6 @55341 has 5 MA's), (Start: 10 @55281 has 46 MA's), (Start: 12 @55200 has 194 MA's), (13, 55134), (14, 55113), (19, 55029), (20, 54903), (21, 54897), (22, 54852),

Gene: Labeouficaum_65 Start: 55188, Stop: 54832, Start Num: 12

Candidate Starts for Labeouficaum_65:

(4, 55476), (Start: 6 @55329 has 5 MA's), (Start: 10 @55269 has 46 MA's), (Start: 12 @55188 has 194 MA's), (13, 55122), (14, 55101), (16, 55056), (19, 55017), (20, 54891), (21, 54885), (22, 54840),

Gene: LasagnaCat_65 Start: 55483, Stop: 55127, Start Num: 12

Candidate Starts for LasagnaCat_65:

(4, 55771), (Start: 6 @55624 has 5 MA's), (Start: 10 @55564 has 46 MA's), (Start: 12 @55483 has 194 MA's), (13, 55417), (14, 55396), (16, 55351), (17, 55333), (19, 55312), (20, 55186), (21, 55180), (22, 55135),

Gene: Lasso_64 Start: 55339, Stop: 54983, Start Num: 12

Candidate Starts for Lasso_64:

(4, 55627), (Start: 6 @55480 has 5 MA's), (Start: 10 @55420 has 46 MA's), (Start: 12 @55339 has 194 MA's), (13, 55273), (14, 55252), (19, 55168), (20, 55042), (21, 55036), (22, 54991),

Gene: LeeLot_64 Start: 55775, Stop: 55338, Start Num: 10

Candidate Starts for LeeLot_64:

(4, 55982), (Start: 6 @55835 has 5 MA's), (Start: 10 @55775 has 46 MA's), (Start: 12 @55694 has 194 MA's), (13, 55628), (14, 55607), (19, 55523), (20, 55397), (21, 55391), (22, 55346),

Gene: Lego3393_62 Start: 55726, Stop: 55289, Start Num: 10

Candidate Starts for Lego3393_62:

(4, 55933), (Start: 6 @55786 has 5 MA's), (Start: 10 @55726 has 46 MA's), (Start: 12 @55645 has 194 MA's), (13, 55579), (14, 55558), (17, 55495), (19, 55474), (20, 55348), (21, 55342), (22, 55297),

Gene: Legolas_66 Start: 55433, Stop: 55077, Start Num: 12

Candidate Starts for Legolas_66:

(4, 55721), (Start: 6 @55574 has 5 MA's), (Start: 10 @55514 has 46 MA's), (Start: 12 @55433 has 194 MA's), (13, 55367), (14, 55346), (19, 55262), (20, 55136), (21, 55130), (22, 55085),

Gene: LeiMonet_67 Start: 55557, Stop: 55201, Start Num: 12

Candidate Starts for LeiMonet_67:

(4, 55845), (Start: 6 @55698 has 5 MA's), (Start: 10 @55638 has 46 MA's), (Start: 12 @55557 has 194 MA's), (13, 55491), (14, 55470), (19, 55386), (20, 55260), (21, 55254), (22, 55209),

Gene: LemonSlice_65 Start: 55024, Stop: 54668, Start Num: 12

Candidate Starts for LemonSlice_65:

(4, 55312), (Start: 6 @55165 has 5 MA's), (Start: 10 @55105 has 46 MA's), (Start: 12 @55024 has 194 MA's), (13, 54958), (14, 54937), (19, 54853), (20, 54727), (21, 54721), (22, 54676),

Gene: Longacauda_65 Start: 55460, Stop: 55104, Start Num: 12

Candidate Starts for Longacauda_65:

(4, 55748), (Start: 6 @55601 has 5 MA's), (Start: 10 @55541 has 46 MA's), (Start: 12 @55460 has 194 MA's), (13, 55394), (14, 55373), (19, 55289), (20, 55163), (21, 55157), (22, 55112),

Gene: Lopsy_62 Start: 54752, Stop: 54396, Start Num: 12

Candidate Starts for Lopsy_62:

(4, 55040), (Start: 6 @54893 has 5 MA's), (Start: 10 @54833 has 46 MA's), (Start: 12 @54752 has 194 MA's), (13, 54686), (14, 54665), (19, 54581), (20, 54455), (21, 54449), (22, 54404),

Gene: LostAndPhound_64 Start: 55638, Stop: 55282, Start Num: 12

Candidate Starts for LostAndPhound_64:

(4, 55926), (Start: 6 @55779 has 5 MA's), (Start: 10 @55719 has 46 MA's), (Start: 12 @55638 has 194 MA's), (13, 55572), (14, 55551), (19, 55467), (20, 55341), (21, 55335), (22, 55290),

Gene: LuckyMarjie_62 Start: 54814, Stop: 54458, Start Num: 12

Candidate Starts for LuckyMarjie_62:

(4, 55102), (Start: 6 @54955 has 5 MA's), (Start: 10 @54895 has 46 MA's), (Start: 12 @54814 has 194 MA's), (13, 54748), (14, 54727), (19, 54643), (20, 54517), (21, 54511), (22, 54466),

Gene: Lulumae_61 Start: 54880, Stop: 54443, Start Num: 10

Candidate Starts for Lulumae_61:

(4, 55087), (Start: 6 @54940 has 5 MA's), (Start: 10 @54880 has 46 MA's), (Start: 12 @54799 has 194 MA's), (13, 54733), (14, 54712), (19, 54628), (20, 54502), (21, 54496), (22, 54451),

Gene: Lulwa_62 Start: 54396, Stop: 54040, Start Num: 12

Candidate Starts for Lulwa_62:

(4, 54684), (Start: 6 @54537 has 5 MA's), (Start: 10 @54477 has 46 MA's), (Start: 12 @54396 has 194 MA's), (13, 54330), (14, 54309), (19, 54225), (20, 54099), (21, 54093), (22, 54048),

Gene: Lumine_65 Start: 55283, Stop: 54927, Start Num: 12

Candidate Starts for Lumine_65:

(4, 55571), (Start: 6 @55424 has 5 MA's), (Start: 10 @55364 has 46 MA's), (Start: 12 @55283 has 194 MA's), (13, 55217), (14, 55196), (19, 55112), (20, 54986), (21, 54980), (22, 54935),

Gene: MRabcd_64 Start: 55407, Stop: 55051, Start Num: 12

Candidate Starts for MRabcd_64:

(4, 55695), (Start: 6 @55548 has 5 MA's), (Start: 10 @55488 has 46 MA's), (Start: 12 @55407 has 194 MA's), (13, 55341), (14, 55320), (19, 55236), (20, 55110), (21, 55104), (22, 55059),

Gene: Mag7_63 Start: 55055, Stop: 54723, Start Num: 12

Candidate Starts for Mag7_63:

(4, 55343), (Start: 6 @55196 has 5 MA's), (Start: 10 @55136 has 46 MA's), (Start: 12 @55055 has 194 MA's), (13, 54989), (14, 54968), (17, 54905), (19, 54884), (20, 54758), (21, 54752),

Gene: Magic8_65 Start: 55402, Stop: 55046, Start Num: 12

Candidate Starts for Magic8_65:

(4, 55690), (Start: 6 @55543 has 5 MA's), (Start: 10 @55483 has 46 MA's), (Start: 12 @55402 has 194 MA's), (13, 55336), (14, 55315), (16, 55270), (17, 55252), (19, 55231), (20, 55105), (21, 55099), (22, 55054),

Gene: Mana_63 Start: 55079, Stop: 54723, Start Num: 12

Candidate Starts for Mana_63:

(4, 55367), (Start: 6 @55220 has 5 MA's), (Start: 10 @55160 has 46 MA's), (Start: 12 @55079 has 194 MA's), (13, 55013), (14, 54992), (19, 54908), (20, 54782), (21, 54776), (22, 54731),

Gene: Manad_63 Start: 55363, Stop: 55007, Start Num: 12

Candidate Starts for Manad_63:

(11, 55420), (Start: 12 @55363 has 194 MA's), (13, 55297), (14, 55276), (17, 55213), (19, 55192), (20, 55066), (21, 55060), (22, 55015),

Gene: Maru_64 Start: 55519, Stop: 55163, Start Num: 12

Candidate Starts for Maru_64:

(4, 55807), (Start: 6 @55660 has 5 MA's), (Start: 10 @55600 has 46 MA's), (Start: 12 @55519 has 194 MA's), (13, 55453), (14, 55432), (19, 55348), (20, 55222), (21, 55216), (22, 55171),

Gene: Maskar_65 Start: 55320, Stop: 54964, Start Num: 12

Candidate Starts for Maskar_65:

(4, 55608), (Start: 6 @55461 has 5 MA's), (Start: 10 @55401 has 46 MA's), (Start: 12 @55320 has 194 MA's), (13, 55254), (14, 55233), (16, 55188), (17, 55170), (19, 55149), (20, 55023), (21, 55017), (22, 54972),

Gene: Matalotodo_64 Start: 55631, Stop: 55275, Start Num: 12

Candidate Starts for Matalotodo_64:

(4, 55919), (Start: 6 @55772 has 5 MA's), (Start: 10 @55712 has 46 MA's), (Start: 12 @55631 has 194 MA's), (13, 55565), (14, 55544), (19, 55460), (20, 55334), (21, 55328), (22, 55283),

Gene: Mcshane_63 Start: 55077, Stop: 54721, Start Num: 12

Candidate Starts for Mcshane_63:

(4, 55365), (Start: 6 @55218 has 5 MA's), (Start: 10 @55158 has 46 MA's), (Start: 12 @55077 has 194 MA's), (13, 55011), (14, 54990), (19, 54906), (20, 54780), (21, 54774), (22, 54729),

Gene: Mecca_64 Start: 55642, Stop: 55286, Start Num: 12

Candidate Starts for Mecca_64:

(4, 55930), (Start: 6 @55783 has 5 MA's), (Start: 10 @55723 has 46 MA's), (Start: 12 @55642 has 194 MA's), (13, 55576), (14, 55555), (19, 55471), (20, 55345), (21, 55339), (22, 55294),

Gene: Megamind20_65 Start: 55065, Stop: 54709, Start Num: 12

Candidate Starts for Megamind20_65:

(4, 55353), (Start: 6 @55206 has 5 MA's), (Start: 10 @55146 has 46 MA's), (Start: 12 @55065 has 194 MA's), (13, 54999), (14, 54978), (19, 54894), (20, 54768), (21, 54762), (22, 54717),

Gene: Megatron_64 Start: 55673, Stop: 55236, Start Num: 10

Candidate Starts for Megatron_64:

(4, 55880), (Start: 6 @55733 has 5 MA's), (Start: 10 @55673 has 46 MA's), (Start: 12 @55592 has 194 MA's), (13, 55526), (14, 55505), (19, 55421), (20, 55295), (21, 55289), (22, 55244),

Gene: Melc17_62 Start: 55720, Stop: 55388, Start Num: 12

Candidate Starts for Melc17_62:

(4, 56008), (Start: 6 @55861 has 5 MA's), (Start: 10 @55801 has 46 MA's), (Start: 12 @55720 has 194 MA's), (13, 55654), (14, 55633), (15, 55621), (17, 55570), (19, 55549), (20, 55423), (21, 55417),

Gene: MelsMeow_64 Start: 55373, Stop: 55017, Start Num: 12

Candidate Starts for MelsMeow_64:

(4, 55661), (Start: 6 @55514 has 5 MA's), (9, 55493), (Start: 10 @55454 has 46 MA's), (Start: 12 @55373 has 194 MA's), (13, 55307), (14, 55286), (19, 55202), (20, 55076), (21, 55070), (22, 55025),

Gene: Mesh1_65 Start: 55655, Stop: 55299, Start Num: 12

Candidate Starts for Mesh1_65:

(4, 55943), (Start: 6 @55796 has 5 MA's), (Start: 10 @55736 has 46 MA's), (Start: 12 @55655 has 194 MA's), (13, 55589), (14, 55568), (19, 55484), (20, 55358), (21, 55352), (22, 55307),

Gene: MichaelPhcott_63 Start: 55052, Stop: 54720, Start Num: 12

Candidate Starts for MichaelPhcott_63:

(4, 55340), (Start: 6 @55193 has 5 MA's), (Start: 10 @55133 has 46 MA's), (Start: 12 @55052 has 194 MA's), (13, 54986), (14, 54965), (17, 54902), (19, 54881), (20, 54755), (21, 54749),

Gene: Mikota_62 Start: 54618, Stop: 54262, Start Num: 12

Candidate Starts for Mikota_62:

(4, 54906), (Start: 6 @54759 has 5 MA's), (Start: 10 @54699 has 46 MA's), (Start: 12 @54618 has 194 MA's), (13, 54552), (14, 54531), (19, 54447), (20, 54321), (21, 54315), (22, 54270),

Gene: MiniBoss_62 Start: 54424, Stop: 54068, Start Num: 12

Candidate Starts for MiniBoss_62:

(4, 54712), (Start: 6 @54565 has 5 MA's), (Start: 10 @54505 has 46 MA's), (Start: 12 @54424 has 194 MA's), (13, 54358), (14, 54337), (19, 54253), (20, 54127), (21, 54121), (22, 54076),

Gene: MitKao_64 Start: 55170, Stop: 54733, Start Num: 10

Candidate Starts for MitKao_64:

(4, 55377), (Start: 6 @55230 has 5 MA's), (Start: 10 @55170 has 46 MA's), (Start: 12 @55089 has 194 MA's), (13, 55023), (14, 55002), (19, 54918), (20, 54792), (21, 54786), (22, 54741),

Gene: Morgushi_63 Start: 55078, Stop: 54722, Start Num: 12

Candidate Starts for Morgushi_63:

(4, 55366), (Start: 6 @55219 has 5 MA's), (Start: 10 @55159 has 46 MA's), (Start: 12 @55078 has 194 MA's), (13, 55012), (14, 54991), (19, 54907), (20, 54781), (21, 54775), (22, 54730),

Gene: Morty_65 Start: 55687, Stop: 55250, Start Num: 10

Candidate Starts for Morty_65:

(4, 55894), (Start: 6 @55747 has 5 MA's), (Start: 10 @55687 has 46 MA's), (Start: 12 @55606 has 194 MA's), (13, 55540), (14, 55519), (19, 55435), (20, 55309), (21, 55303), (22, 55258),

Gene: Mosaic_62 Start: 55164, Stop: 54727, Start Num: 10

Candidate Starts for Mosaic_62:

(4, 55371), (Start: 6 @55224 has 5 MA's), (Start: 10 @55164 has 46 MA's), (Start: 12 @55083 has 194 MA's), (13, 55017), (14, 54996), (19, 54912), (20, 54786), (21, 54780), (22, 54735),

Gene: MrPhizzler_64 Start: 55546, Stop: 55190, Start Num: 12

Candidate Starts for MrPhizzler_64:

(4, 55834), (Start: 6 @55687 has 5 MA's), (8, 55669), (Start: 10 @55627 has 46 MA's), (Start: 12 @55546 has 194 MA's), (13, 55480), (14, 55459), (19, 55375), (20, 55249), (21, 55243), (22, 55198),

Gene: Mulan_64 Start: 55317, Stop: 54961, Start Num: 12

Candidate Starts for Mulan_64:

(4, 55605), (Start: 6 @55458 has 5 MA's), (Start: 10 @55398 has 46 MA's), (Start: 12 @55317 has 194 MA's), (13, 55251), (14, 55230), (19, 55146), (20, 55020), (21, 55014), (22, 54969),

Gene: Murdoc_62 Start: 55079, Stop: 54723, Start Num: 12

Candidate Starts for Murdoc_62:

(4, 55367), (Start: 6 @55220 has 5 MA's), (Start: 10 @55160 has 46 MA's), (Start: 12 @55079 has 194 MA's), (13, 55013), (14, 54992), (19, 54908), (20, 54782), (21, 54776), (22, 54731),

Gene: Mutante_64 Start: 55089, Stop: 54733, Start Num: 12

Candidate Starts for Mutante_64:

(4, 55377), (Start: 6 @55230 has 5 MA's), (Start: 10 @55170 has 46 MA's), (Start: 12 @55089 has 194 MA's), (13, 55023), (14, 55002), (19, 54918), (20, 54792), (21, 54786), (22, 54741),

Gene: Nacho_0066 Start: 55978, Stop: 55481, Start Num: 6

Candidate Starts for Nacho_0066:

(4, 56125), (Start: 6 @55978 has 5 MA's), (Start: 10 @55918 has 46 MA's), (Start: 12 @55837 has 194 MA's), (13, 55771), (14, 55750), (16, 55705), (19, 55666), (20, 55540), (21, 55534), (22, 55489),

Gene: Newman_62 Start: 55115, Stop: 54759, Start Num: 12

Candidate Starts for Newman_62:

(4, 55403), (Start: 6 @55256 has 5 MA's), (Start: 10 @55196 has 46 MA's), (Start: 12 @55115 has 194 MA's), (13, 55049), (14, 55028), (19, 54944), (20, 54818), (21, 54812), (22, 54767),

Gene: Nicole21_65 Start: 55368, Stop: 55012, Start Num: 12

Candidate Starts for Nicole21_65:

(4, 55656), (Start: 6 @55509 has 5 MA's), (Start: 10 @55449 has 46 MA's), (Start: 12 @55368 has 194 MA's), (13, 55302), (14, 55281), (19, 55197), (20, 55071), (21, 55065), (22, 55020),

Gene: Numberten_63 Start: 55312, Stop: 54956, Start Num: 12

Candidate Starts for Numberten_63:

(4, 55600), (Start: 6 @55453 has 5 MA's), (Start: 10 @55393 has 46 MA's), (Start: 12 @55312 has 194 MA's), (13, 55246), (14, 55225), (19, 55141), (20, 55015), (21, 55009), (22, 54964),

Gene: Nyala_63 Start: 55087, Stop: 54731, Start Num: 12

Candidate Starts for Nyala_63:

(4, 55375), (Start: 6 @55228 has 5 MA's), (Start: 10 @55168 has 46 MA's), (Start: 12 @55087 has 194 MA's), (13, 55021), (14, 55000), (19, 54916), (20, 54790), (21, 54784), (22, 54739),

Gene: OSmaximus_65 Start: 55833, Stop: 55477, Start Num: 12

Candidate Starts for OSmaximus_65:

(4, 56121), (Start: 6 @55974 has 5 MA's), (Start: 10 @55914 has 46 MA's), (Start: 12 @55833 has 194 MA's), (13, 55767), (14, 55746), (19, 55662), (20, 55536), (21, 55530), (22, 55485),

Gene: Olak_65 Start: 55090, Stop: 54734, Start Num: 12

Candidate Starts for Olak_65:

(4, 55378), (Start: 6 @55231 has 5 MA's), (Start: 10 @55171 has 46 MA's), (Start: 12 @55090 has 194 MA's), (13, 55024), (14, 55003), (19, 54919), (20, 54793), (21, 54787), (22, 54742),

Gene: Oline_64 Start: 55192, Stop: 54836, Start Num: 12

Candidate Starts for Oline_64:

(4, 55480), (Start: 6 @55333 has 5 MA's), (8, 55315), (Start: 10 @55273 has 46 MA's), (Start: 12 @55192 has 194 MA's), (13, 55126), (14, 55105), (19, 55021), (20, 54895), (21, 54889), (22, 54844),

Gene: Olive_64 Start: 55303, Stop: 54947, Start Num: 12

Candidate Starts for Olive_64:

(4, 55591), (Start: 6 @55444 has 5 MA's), (Start: 10 @55384 has 46 MA's), (Start: 12 @55303 has 194 MA's), (13, 55237), (14, 55216), (19, 55132), (20, 55006), (21, 55000), (22, 54955),

Gene: OliverWalter_62 Start: 55122, Stop: 54766, Start Num: 12

Candidate Starts for OliverWalter_62:

(4, 55410), (Start: 6 @55263 has 5 MA's), (Start: 10 @55203 has 46 MA's), (Start: 12 @55122 has 194 MA's), (13, 55056), (14, 55035), (19, 54951), (20, 54825), (21, 54819), (22, 54774),

Gene: Omniscient_65 Start: 55950, Stop: 55594, Start Num: 12

Candidate Starts for Omniscient_65:

(4, 56238), (Start: 6 @56091 has 5 MA's), (Start: 10 @56031 has 46 MA's), (Start: 12 @55950 has 194 MA's), (13, 55884), (14, 55863), (19, 55779), (20, 55653), (21, 55647), (22, 55602),

Gene: Oosterbaan_63 Start: 55369, Stop: 55013, Start Num: 12

Candidate Starts for Oosterbaan_63:

(4, 55657), (Start: 6 @55510 has 5 MA's), (Start: 10 @55450 has 46 MA's), (Start: 12 @55369 has 194 MA's), (13, 55303), (14, 55282), (19, 55198), (20, 55072), (21, 55066), (22, 55021),

Gene: Orfeu_64 Start: 55626, Stop: 55270, Start Num: 12

Candidate Starts for Orfeu_64:

(4, 55914), (Start: 6 @55767 has 5 MA's), (Start: 10 @55707 has 46 MA's), (Start: 12 @55626 has 194 MA's), (13, 55560), (14, 55539), (19, 55455), (20, 55329), (21, 55323), (22, 55278),

Gene: Orion_65 Start: 55031, Stop: 54675, Start Num: 12

Candidate Starts for Orion_65:

(4, 55319), (Start: 6 @55172 has 5 MA's), (Start: 10 @55112 has 46 MA's), (Start: 12 @55031 has 194 MA's), (13, 54965), (14, 54944), (19, 54860), (20, 54734), (21, 54728), (22, 54683),

Gene: Orwigg_64 Start: 55011, Stop: 54655, Start Num: 12

Candidate Starts for Orwigg_64:

(4, 55299), (Start: 6 @55152 has 5 MA's), (Start: 10 @55092 has 46 MA's), (Start: 12 @55011 has 194 MA's), (13, 54945), (14, 54924), (19, 54840), (20, 54714), (21, 54708), (22, 54663),

Gene: PG1_64 Start: 55602, Stop: 55246, Start Num: 12

Candidate Starts for PG1_64:

(4, 55890), (Start: 6 @55743 has 5 MA's), (Start: 10 @55683 has 46 MA's), (Start: 12 @55602 has 194 MA's), (13, 55536), (14, 55515), (19, 55431), (20, 55305), (21, 55299), (22, 55254),

Gene: Pacifista_67 Start: 55086, Stop: 54730, Start Num: 12

Candidate Starts for Pacifista_67:

(4, 55374), (Start: 6 @55227 has 5 MA's), (Start: 10 @55167 has 46 MA's), (Start: 12 @55086 has 194 MA's), (13, 55020), (14, 54999), (19, 54915), (20, 54789), (21, 54783), (22, 54738),

Gene: Phamished_66 Start: 55380, Stop: 54943, Start Num: 10

Candidate Starts for Phamished_66:

(4, 55587), (Start: 6 @55440 has 5 MA's), (Start: 10 @55380 has 46 MA's), (Start: 12 @55299 has 194 MA's), (13, 55233), (14, 55212), (18, 55131), (19, 55128), (20, 55002), (21, 54996), (22, 54951),

Gene: Phareon_63 Start: 54808, Stop: 54452, Start Num: 12

Candidate Starts for Phareon_63:

(4, 55096), (Start: 6 @54949 has 5 MA's), (Start: 10 @54889 has 46 MA's), (Start: 12 @54808 has 194 MA's), (13, 54742), (14, 54721), (19, 54637), (20, 54511), (21, 54505), (22, 54460),

Gene: PhatCats2014_64 Start: 55607, Stop: 55251, Start Num: 12

Candidate Starts for PhatCats2014_64:

(4, 55895), (Start: 6 @55748 has 5 MA's), (Start: 10 @55688 has 46 MA's), (Start: 12 @55607 has 194 MA's), (13, 55541), (14, 55520), (19, 55436), (20, 55310), (21, 55304), (22, 55259),

Gene: PhatLouie_66 Start: 55625, Stop: 55269, Start Num: 12

Candidate Starts for PhatLouie_66:

(4, 55913), (Start: 6 @55766 has 5 MA's), (Start: 10 @55706 has 46 MA's), (Start: 12 @55625 has 194 MA's), (13, 55559), (14, 55538), (19, 55454), (20, 55328), (21, 55322), (22, 55277),

Gene: PhenghisKhan_65 Start: 55257, Stop: 54901, Start Num: 12

Candidate Starts for PhenghisKhan_65:

(4, 55545), (Start: 6 @55398 has 5 MA's), (Start: 10 @55338 has 46 MA's), (Start: 12 @55257 has 194 MA's), (13, 55191), (14, 55170), (16, 55125), (17, 55107), (19, 55086), (20, 54960), (21, 54954), (22, 54909),

Gene: Pherdinand_65 Start: 55370, Stop: 55014, Start Num: 12

Candidate Starts for Pherdinand_65:

(4, 55658), (Start: 6 @55511 has 5 MA's), (Start: 10 @55451 has 46 MA's), (Start: 12 @55370 has 194 MA's), (13, 55304), (19, 55199), (20, 55073), (21, 55067), (22, 55022),

Gene: Phergie_65 Start: 55249, Stop: 54893, Start Num: 12

Candidate Starts for Phergie_65:

(4, 55537), (Start: 6 @55390 has 5 MA's), (Start: 10 @55330 has 46 MA's), (Start: 12 @55249 has 194 MA's), (13, 55183), (14, 55162), (16, 55117), (17, 55099), (19, 55078), (20, 54952), (21, 54946), (22, 54901),

Gene: Phipps_64 Start: 54879, Stop: 54523, Start Num: 12

Candidate Starts for Phipps_64:

(4, 55167), (Start: 6 @55020 has 5 MA's), (Start: 10 @54960 has 46 MA's), (Start: 12 @54879 has 194 MA's), (13, 54813), (14, 54792), (19, 54708), (20, 54582), (21, 54576), (22, 54531),

Gene: Phleuron_63 Start: 55055, Stop: 54723, Start Num: 12

Candidate Starts for Phleuron_63:

(4, 55343), (Start: 6 @55196 has 5 MA's), (Start: 10 @55136 has 46 MA's), (Start: 12 @55055 has 194 MA's), (13, 54989), (14, 54968), (17, 54905), (19, 54884), (20, 54758), (21, 54752),

Gene: PhrankReynolds_64 Start: 55254, Stop: 54898, Start Num: 12

Candidate Starts for PhrankReynolds_64:

(4, 55542), (Start: 6 @55395 has 5 MA's), (Start: 10 @55335 has 46 MA's), (Start: 12 @55254 has 194 MA's), (13, 55188), (14, 55167), (16, 55122), (17, 55104), (19, 55083), (20, 54957), (21, 54951), (22, 54906),

Gene: PhrodoBaggins_65 Start: 55555, Stop: 55118, Start Num: 10

Candidate Starts for PhrodoBaggins_65:

(4, 55762), (Start: 6 @55615 has 5 MA's), (Start: 10 @55555 has 46 MA's), (Start: 12 @55474 has 194 MA's), (13, 55408), (14, 55387), (16, 55342), (17, 55324), (19, 55303), (20, 55177), (21, 55171), (22, 55126),

Gene: Phunky_62 Start: 55106, Stop: 54750, Start Num: 12

Candidate Starts for Phunky_62:

(4, 55394), (Start: 6 @55247 has 5 MA's), (Start: 10 @55187 has 46 MA's), (Start: 12 @55106 has 194 MA's), (13, 55040), (14, 55019), (19, 54935), (20, 54809), (21, 54803), (22, 54758),

Gene: Piglet_0064 Start: 55720, Stop: 55223, Start Num: 6

Candidate Starts for Piglet_0064:

(4, 55867), (Start: 6 @55720 has 5 MA's), (Start: 10 @55660 has 46 MA's), (Start: 12 @55579 has 194 MA's), (13, 55513), (14, 55492), (19, 55408), (20, 55282), (21, 55276), (22, 55231),

Gene: PinheadLarry_63 Start: 55497, Stop: 55084, Start Num: 10

Candidate Starts for PinheadLarry_63:

(4, 55704), (Start: 6 @55557 has 5 MA's), (Start: 10 @55497 has 46 MA's), (Start: 12 @55416 has 194 MA's), (13, 55350), (14, 55329), (16, 55284), (19, 55245), (20, 55119), (21, 55113),

Gene: Pinkman_64 Start: 55192, Stop: 54836, Start Num: 12

Candidate Starts for Pinkman_64:

(4, 55480), (Start: 6 @55333 has 5 MA's), (Start: 10 @55273 has 46 MA's), (Start: 12 @55192 has 194 MA's), (13, 55126), (14, 55105), (19, 55021), (20, 54895), (21, 54889), (22, 54844),

Gene: Pipsqueak_62 Start: 55116, Stop: 54679, Start Num: 10

Candidate Starts for Pipsqueak_62:

(4, 55323), (Start: 6 @55176 has 5 MA's), (Start: 10 @55116 has 46 MA's), (Start: 12 @55035 has 194 MA's), (13, 54969), (14, 54948), (19, 54864), (20, 54738), (21, 54732), (22, 54687),

Gene: Placalicious_65 Start: 56136, Stop: 55780, Start Num: 12

Candidate Starts for Placalicious_65:

(4, 56424), (Start: 6 @56277 has 5 MA's), (Start: 10 @56217 has 46 MA's), (Start: 12 @56136 has 194 MA's), (13, 56070), (14, 56049), (19, 55965), (20, 55839), (21, 55833), (22, 55788),

Gene: Plmatters_63 Start: 55109, Stop: 54753, Start Num: 12

Candidate Starts for Plmatters_63:

(4, 55397), (Start: 6 @55250 has 5 MA's), (Start: 10 @55190 has 46 MA's), (Start: 12 @55109 has 194 MA's), (13, 55043), (14, 55022), (19, 54938), (20, 54812), (21, 54806), (22, 54761),

Gene: Podrick_63 Start: 54969, Stop: 54532, Start Num: 10

Candidate Starts for Podrick_63:

(4, 55176), (Start: 6 @55029 has 5 MA's), (Start: 10 @54969 has 46 MA's), (Start: 12 @54888 has 194 MA's), (13, 54822), (14, 54801), (19, 54717), (20, 54591), (21, 54585), (22, 54540),

Gene: Pops_62 Start: 55187, Stop: 54774, Start Num: 10

Candidate Starts for Pops_62:

(4, 55394), (Start: 6 @55247 has 5 MA's), (Start: 10 @55187 has 46 MA's), (Start: 12 @55106 has 194 MA's), (13, 55040), (14, 55019), (16, 54974), (19, 54935), (20, 54809), (21, 54803),

Gene: Potter_62 Start: 55100, Stop: 54744, Start Num: 12

Candidate Starts for Potter_62:

(4, 55388), (Start: 6 @55241 has 5 MA's), (Start: 10 @55181 has 46 MA's), (Start: 12 @55100 has 194 MA's), (13, 55034), (14, 55013), (19, 54929), (20, 54803), (21, 54797), (22, 54752),

Gene: Prickles_66 Start: 55601, Stop: 55245, Start Num: 12

Candidate Starts for Prickles_66:

(4, 55889), (Start: 6 @55742 has 5 MA's), (Start: 10 @55682 has 46 MA's), (Start: 12 @55601 has 194 MA's), (13, 55535), (14, 55514), (19, 55430), (20, 55304), (21, 55298), (22, 55253),

Gene: ProfessorX_63 Start: 55099, Stop: 54743, Start Num: 12

Candidate Starts for ProfessorX_63:

(4, 55387), (Start: 6 @55240 has 5 MA's), (Start: 10 @55180 has 46 MA's), (Start: 12 @55099 has 194 MA's), (13, 55033), (14, 55012), (19, 54928), (20, 54802), (21, 54796), (22, 54751),

Gene: Puhltonio_63 Start: 55374, Stop: 55018, Start Num: 12

Candidate Starts for Puhltonio_63:

(4, 55662), (Start: 6 @55515 has 5 MA's), (Start: 10 @55455 has 46 MA's), (Start: 12 @55374 has 194 MA's), (13, 55308), (14, 55287), (19, 55203), (20, 55077), (21, 55071), (22, 55026),

Gene: QueenBeane_64 Start: 55406, Stop: 55050, Start Num: 12

Candidate Starts for QueenBeane_64:

(4, 55694), (Start: 6 @55547 has 5 MA's), (Start: 10 @55487 has 46 MA's), (Start: 12 @55406 has 194 MA's), (13, 55340), (19, 55235), (20, 55109), (21, 55103), (22, 55058),

Gene: Quisquilliae_65 Start: 55367, Stop: 55011, Start Num: 12

Candidate Starts for Quisquilliae_65:

(4, 55655), (Start: 6 @55508 has 5 MA's), (Start: 10 @55448 has 46 MA's), (Start: 12 @55367 has 194 MA's), (13, 55301), (14, 55280), (19, 55196), (20, 55070), (21, 55064), (22, 55019),

Gene: RedMaple_65 Start: 55842, Stop: 55486, Start Num: 12

Candidate Starts for RedMaple_65:

(4, 56130), (Start: 6 @55983 has 5 MA's), (Start: 10 @55923 has 46 MA's), (Start: 12 @55842 has 194 MA's), (13, 55776), (14, 55755), (19, 55671), (20, 55545), (21, 55539), (22, 55494),

Gene: Ricotta_63 Start: 55099, Stop: 54743, Start Num: 12

Candidate Starts for Ricotta_63:

(4, 55387), (Start: 6 @55240 has 5 MA's), (Start: 10 @55180 has 46 MA's), (Start: 12 @55099 has 194 MA's), (13, 55033), (14, 55012), (19, 54928), (20, 54802), (21, 54796), (22, 54751),

Gene: Riggan_65 Start: 55399, Stop: 55043, Start Num: 12

Candidate Starts for Riggan_65:

(4, 55687), (Start: 6 @55540 has 5 MA's), (Start: 10 @55480 has 46 MA's), (Start: 12 @55399 has 194 MA's), (13, 55333), (14, 55312), (19, 55228), (20, 55102), (21, 55096), (22, 55051),

Gene: Rimu_67 Start: 55567, Stop: 55211, Start Num: 12

Candidate Starts for Rimu_67:

(4, 55855), (Start: 6 @55708 has 5 MA's), (8, 55690), (Start: 10 @55648 has 46 MA's), (Start: 12 @55567 has 194 MA's), (13, 55501), (14, 55480), (19, 55396), (20, 55270), (21, 55264), (22, 55219),

Gene: Robyn_64 Start: 55246, Stop: 54890, Start Num: 12

Candidate Starts for Robyn_64:

(4, 55534), (Start: 6 @55387 has 5 MA's), (Start: 10 @55327 has 46 MA's), (Start: 12 @55246 has 194 MA's), (13, 55180), (14, 55159), (19, 55075), (20, 54949), (21, 54943), (22, 54898),

Gene: Roliet_62 Start: 54441, Stop: 54085, Start Num: 12

Candidate Starts for Roliet_62:

(4, 54729), (Start: 6 @54582 has 5 MA's), (Start: 10 @54522 has 46 MA's), (Start: 12 @54441 has 194 MA's), (13, 54375), (14, 54354), (17, 54291), (19, 54270), (20, 54144), (21, 54138), (22, 54093),

Gene: Roscoe_65 Start: 55545, Stop: 55189, Start Num: 12

Candidate Starts for Roscoe_65:

(4, 55833), (Start: 6 @55686 has 5 MA's), (Start: 10 @55626 has 46 MA's), (Start: 12 @55545 has 194 MA's), (13, 55479), (14, 55458), (19, 55374), (20, 55248), (21, 55242), (22, 55197),

Gene: Roy17_62 Start: 54880, Stop: 54443, Start Num: 10

Candidate Starts for Roy17_62:

(4, 55087), (Start: 6 @54940 has 5 MA's), (Start: 10 @54880 has 46 MA's), (Start: 12 @54799 has 194 MA's), (13, 54733), (14, 54712), (19, 54628), (20, 54502), (21, 54496), (22, 54451),

Gene: SDcharge11_64 Start: 54694, Stop: 54257, Start Num: 10

Candidate Starts for SDcharge11_64:

(4, 54901), (Start: 6 @54754 has 5 MA's), (Start: 10 @54694 has 46 MA's), (Start: 12 @54613 has 194 MA's), (13, 54547), (14, 54526), (19, 54442), (20, 54316), (21, 54310), (22, 54265),

Gene: Samaymay_64 Start: 55406, Stop: 55050, Start Num: 12

Candidate Starts for Samaymay_64:

(4, 55694), (Start: 6 @55547 has 5 MA's), (Start: 10 @55487 has 46 MA's), (Start: 12 @55406 has 194 MA's), (13, 55340), (19, 55235), (20, 55109), (21, 55103), (22, 55058),

Gene: SassyCat97_63 Start: 55091, Stop: 54735, Start Num: 12

Candidate Starts for SassyCat97_63:

(4, 55379), (Start: 6 @55232 has 5 MA's), (Start: 10 @55172 has 46 MA's), (Start: 12 @55091 has 194 MA's), (13, 55025), (14, 55004), (19, 54920), (20, 54794), (21, 54788), (22, 54743),

Gene: Schadenfreude_64 Start: 54972, Stop: 54616, Start Num: 12

Candidate Starts for Schadenfreude_64:

(4, 55260), (Start: 6 @55113 has 5 MA's), (Start: 10 @55053 has 46 MA's), (Start: 12 @54972 has 194 MA's), (13, 54906), (14, 54885), (19, 54801), (20, 54675), (21, 54669), (22, 54624),

Gene: Schueller_65 Start: 55329, Stop: 54973, Start Num: 12

Candidate Starts for Schueller_65:

(4, 55617), (Start: 6 @55470 has 5 MA's), (Start: 10 @55410 has 46 MA's), (Start: 12 @55329 has 194 MA's), (13, 55263), (14, 55242), (16, 55197), (19, 55158), (20, 55032), (21, 55026), (22, 54981),

Gene: Scoot17C_64 Start: 55033, Stop: 54677, Start Num: 12

Candidate Starts for Scoot17C_64:

(4, 55321), (Start: 6 @55174 has 5 MA's), (Start: 10 @55114 has 46 MA's), (Start: 12 @55033 has 194 MA's), (13, 54967), (14, 54946), (19, 54862), (20, 54736), (21, 54730), (22, 54685),

Gene: Scrick_64 Start: 55105, Stop: 54749, Start Num: 12

Candidate Starts for Scrick_64:

(4, 55393), (Start: 6 @55246 has 5 MA's), (Start: 10 @55186 has 46 MA's), (Start: 12 @55105 has 194 MA's), (13, 55039), (14, 55018), (16, 54973), (19, 54934), (20, 54808), (21, 54802), (22, 54757),

Gene: Selr12_66 Start: 55115, Stop: 54759, Start Num: 12

Candidate Starts for Selr12_66:

(4, 55403), (Start: 6 @55256 has 5 MA's), (Start: 10 @55196 has 46 MA's), (Start: 12 @55115 has 194 MA's), (13, 55049), (14, 55028), (19, 54944), (20, 54818), (21, 54812), (22, 54767),

Gene: Serendipity_63 Start: 55388, Stop: 55032, Start Num: 12

Candidate Starts for Serendipity_63:

(4, 55676), (Start: 6 @55529 has 5 MA's), (Start: 10 @55469 has 46 MA's), (Start: 12 @55388 has 194 MA's), (13, 55322), (14, 55301), (19, 55217), (20, 55091), (21, 55085), (22, 55040),

Gene: Serpentine_0064 Start: 55552, Stop: 55115, Start Num: 10

Candidate Starts for Serpentine_0064:

(4, 55759), (Start: 6 @55612 has 5 MA's), (Start: 10 @55552 has 46 MA's), (Start: 12 @55471 has 194 MA's), (13, 55405), (14, 55384), (19, 55300), (20, 55174), (21, 55168), (22, 55123),

Gene: Sheila_61 Start: 54473, Stop: 54117, Start Num: 12

Candidate Starts for Sheila_61:

(4, 54761), (Start: 6 @54614 has 5 MA's), (Start: 10 @54554 has 46 MA's), (Start: 12 @54473 has 194 MA's), (13, 54407), (14, 54386), (19, 54302), (20, 54176), (21, 54170), (22, 54125),

Gene: ShiVal_62 Start: 55191, Stop: 54754, Start Num: 10

Candidate Starts for ShiVal_62:

(4, 55398), (Start: 6 @55251 has 5 MA's), (Start: 10 @55191 has 46 MA's), (Start: 12 @55110 has 194 MA's), (13, 55044), (14, 55023), (19, 54939), (20, 54813), (21, 54807), (22, 54762),

Gene: Sigman_64 Start: 55066, Stop: 54710, Start Num: 12

Candidate Starts for Sigman_64:

(4, 55354), (Start: 6 @55207 has 5 MA's), (Start: 10 @55147 has 46 MA's), (Start: 12 @55066 has 194 MA's), (13, 55000), (14, 54979), (19, 54895), (20, 54769), (21, 54763), (22, 54718),

Gene: Simielle_64 Start: 55070, Stop: 54714, Start Num: 12

Candidate Starts for Simielle_64:

(4, 55358), (Start: 6 @55211 has 5 MA's), (Start: 10 @55151 has 46 MA's), (Start: 12 @55070 has 194 MA's), (13, 55004), (14, 54983), (19, 54899), (20, 54773), (21, 54767), (22, 54722),

Gene: Skippy_65 Start: 55324, Stop: 54968, Start Num: 12

Candidate Starts for Skippy_65:

(4, 55612), (Start: 6 @55465 has 5 MA's), (Start: 10 @55405 has 46 MA's), (Start: 12 @55324 has 194 MA's), (13, 55258), (14, 55237), (19, 55153), (20, 55027), (21, 55021), (22, 54976),

Gene: Slatt_65 Start: 55389, Stop: 55033, Start Num: 12

Candidate Starts for Slatt_65:

(4, 55677), (Start: 6 @55530 has 5 MA's), (Start: 10 @55470 has 46 MA's), (Start: 12 @55389 has 194 MA's), (13, 55323), (14, 55302), (19, 55218), (20, 55092), (21, 55086), (22, 55041),

Gene: Soile_65 Start: 55620, Stop: 55264, Start Num: 12

Candidate Starts for Soile_65:

(4, 55908), (Start: 6 @55761 has 5 MA's), (8, 55743), (Start: 10 @55701 has 46 MA's), (Start: 12 @55620 has 194 MA's), (13, 55554), (14, 55533), (19, 55449), (20, 55323), (21, 55317), (22, 55272),

Gene: Sophia_63 Start: 55079, Stop: 54723, Start Num: 12

Candidate Starts for Sophia_63:

(4, 55367), (Start: 6 @55220 has 5 MA's), (Start: 10 @55160 has 46 MA's), (Start: 12 @55079 has 194 MA's), (13, 55013), (14, 54992), (19, 54908), (20, 54782), (21, 54776), (22, 54731),

Gene: Soto_62 Start: 54727, Stop: 54290, Start Num: 10

Candidate Starts for Soto_62:

(4, 54934), (Start: 6 @54787 has 5 MA's), (Start: 10 @54727 has 46 MA's), (Start: 12 @54646 has 194 MA's), (13, 54580), (14, 54559), (19, 54475), (20, 54349), (21, 54343), (22, 54298),

Gene: Spartan300_64 Start: 55307, Stop: 54951, Start Num: 12

Candidate Starts for Spartan300_64:

(4, 55595), (Start: 6 @55448 has 5 MA's), (Start: 10 @55388 has 46 MA's), (Start: 12 @55307 has 194 MA's), (13, 55241), (14, 55220), (17, 55157), (19, 55136), (20, 55010), (21, 55004), (22, 54959),

Gene: Squid_63 Start: 55172, Stop: 54735, Start Num: 10

Candidate Starts for Squid_63:

(4, 55379), (Start: 6 @55232 has 5 MA's), (Start: 10 @55172 has 46 MA's), (Start: 12 @55091 has 194 MA's), (13, 55025), (14, 55004), (19, 54920), (20, 54794), (21, 54788), (22, 54743),

Gene: Squiggle_64 Start: 55099, Stop: 54743, Start Num: 12

Candidate Starts for Squiggle_64:

(4, 55387), (Start: 6 @55240 has 5 MA's), (Start: 10 @55180 has 46 MA's), (Start: 12 @55099 has 194 MA's), (13, 55033), (14, 55012), (19, 54928), (20, 54802), (21, 54796), (22, 54751),

Gene: Struggle_65 Start: 55183, Stop: 54827, Start Num: 12

Candidate Starts for Struggle_65:

(4, 55471), (Start: 6 @55324 has 5 MA's), (8, 55306), (Start: 10 @55264 has 46 MA's), (Start: 12 @55183 has 194 MA's), (13, 55117), (14, 55096), (19, 55012), (20, 54886), (21, 54880), (22, 54835),

Gene: Suffolk_62 Start: 54735, Stop: 54238, Start Num: 6

Candidate Starts for Suffolk_62:

(4, 54882), (Start: 6 @54735 has 5 MA's), (Start: 10 @54675 has 46 MA's), (Start: 12 @54594 has 194 MA's), (13, 54528), (14, 54507), (19, 54423), (20, 54297), (21, 54291), (22, 54246),

Gene: Surely_64 Start: 55381, Stop: 55025, Start Num: 12

Candidate Starts for Surely_64:

(4, 55669), (Start: 6 @55522 has 5 MA's), (Start: 10 @55462 has 46 MA's), (Start: 12 @55381 has 194 MA's), (13, 55315), (14, 55294), (19, 55210), (20, 55084), (21, 55078), (22, 55033),

Gene: Swiphy_68 Start: 55625, Stop: 55269, Start Num: 12

Candidate Starts for Swiphy_68:

(4, 55913), (Start: 6 @55766 has 5 MA's), (Start: 10 @55706 has 46 MA's), (Start: 12 @55625 has 194 MA's), (13, 55559), (14, 55538), (19, 55454), (20, 55328), (21, 55322), (22, 55277),

Gene: Swish_65 Start: 55355, Stop: 54999, Start Num: 12

Candidate Starts for Swish_65:

(4, 55643), (Start: 6 @55496 has 5 MA's), (Start: 10 @55436 has 46 MA's), (Start: 12 @55355 has 194 MA's), (13, 55289), (19, 55184), (20, 55058), (21, 55052), (22, 55007),

Gene: TallGrassMM_63 Start: 54995, Stop: 54639, Start Num: 12

Candidate Starts for TallGrassMM_63:

(4, 55283), (Start: 6 @55136 has 5 MA's), (Start: 10 @55076 has 46 MA's), (Start: 12 @54995 has 194 MA's), (13, 54929), (14, 54908), (19, 54824), (20, 54698), (21, 54692), (22, 54647),

Gene: Telesworld_62 Start: 55200, Stop: 54844, Start Num: 12

Candidate Starts for Telesworld_62:

(4, 55488), (Start: 6 @55341 has 5 MA's), (Start: 10 @55281 has 46 MA's), (Start: 12 @55200 has 194 MA's), (13, 55134), (14, 55113), (19, 55029), (20, 54903), (21, 54897), (22, 54852),

Gene: Thora_63 Start: 55377, Stop: 55021, Start Num: 12

Candidate Starts for Thora_63:

(4, 55665), (Start: 6 @55518 has 5 MA's), (Start: 10 @55458 has 46 MA's), (Start: 12 @55377 has 194 MA's), (13, 55311), (14, 55290), (19, 55206), (20, 55080), (21, 55074), (22, 55029),

Gene: ThreeOh3D2_65 Start: 55679, Stop: 55242, Start Num: 10

Candidate Starts for ThreeOh3D2_65:

(4, 55886), (Start: 6 @55739 has 5 MA's), (Start: 10 @55679 has 46 MA's), (Start: 12 @55598 has 194 MA's), (13, 55532), (14, 55511), (19, 55427), (20, 55301), (21, 55295), (22, 55250),

Gene: Thunderbird_65 Start: 55338, Stop: 54982, Start Num: 12

Candidate Starts for Thunderbird_65:

(4, 55626), (Start: 6 @55479 has 5 MA's), (Start: 10 @55419 has 46 MA's), (Start: 12 @55338 has 194 MA's), (13, 55272), (14, 55251), (19, 55167), (20, 55041), (21, 55035), (22, 54990),

Gene: Timmi_63 Start: 55080, Stop: 54724, Start Num: 12

Candidate Starts for Timmi_63:

(4, 55368), (Start: 6 @55221 has 5 MA's), (Start: 10 @55161 has 46 MA's), (Start: 12 @55080 has 194 MA's), (13, 55014), (14, 54993), (19, 54909), (20, 54783), (21, 54777), (22, 54732),

Gene: TomBombadil_64 Start: 55365, Stop: 55009, Start Num: 12

Candidate Starts for TomBombadil_64:

(4, 55653), (Start: 6 @55506 has 5 MA's), (Start: 10 @55446 has 46 MA's), (Start: 12 @55365 has 194 MA's), (13, 55299), (14, 55278), (19, 55194), (20, 55068), (21, 55062), (22, 55017),

Gene: Tomlarah_65 Start: 55934, Stop: 55578, Start Num: 12

Candidate Starts for Tomlarah_65:

(4, 56222), (Start: 6 @56075 has 5 MA's), (Start: 10 @56015 has 46 MA's), (Start: 12 @55934 has 194 MA's), (13, 55868), (14, 55847), (19, 55763), (20, 55637), (21, 55631), (22, 55586),

Gene: Toni_64 Start: 55527, Stop: 55171, Start Num: 12

Candidate Starts for Toni_64:

(4, 55815), (Start: 6 @55668 has 5 MA's), (Start: 10 @55608 has 46 MA's), (Start: 12 @55527 has 194 MA's), (13, 55461), (14, 55440), (19, 55356), (20, 55230), (21, 55224), (22, 55179),

Gene: Tooj_62 Start: 54750, Stop: 54394, Start Num: 12

Candidate Starts for Tooj_62:

(4, 55038), (Start: 6 @54891 has 5 MA's), (Start: 10 @54831 has 46 MA's), (Start: 12 @54750 has 194 MA's), (13, 54684), (14, 54663), (19, 54579), (20, 54453), (21, 54447), (22, 54402),

Gene: True_63 Start: 55090, Stop: 54734, Start Num: 12

Candidate Starts for True_63:

(4, 55378), (Start: 6 @55231 has 5 MA's), (Start: 10 @55171 has 46 MA's), (Start: 12 @55090 has 194 MA's), (13, 55024), (14, 55003), (19, 54919), (20, 54793), (21, 54787), (22, 54742),

Gene: Trypo_66 Start: 55843, Stop: 55406, Start Num: 10

Candidate Starts for Trypo_66:

(4, 56050), (Start: 6 @55903 has 5 MA's), (8, 55885), (Start: 10 @55843 has 46 MA's), (Start: 12 @55762 has 194 MA's), (13, 55696), (14, 55675), (19, 55591), (20, 55465), (21, 55459), (22, 55414),

Gene: TyrionL_65 Start: 55269, Stop: 54832, Start Num: 10

Candidate Starts for TyrionL_65:

(4, 55476), (Start: 6 @55329 has 5 MA's), (Start: 10 @55269 has 46 MA's), (Start: 12 @55188 has 194 MA's), (13, 55122), (14, 55101), (16, 55056), (19, 55017), (20, 54891), (21, 54885), (22, 54840),

Gene: UAch1_64 Start: 55321, Stop: 54965, Start Num: 12

Candidate Starts for UAch1_64:

(11, 55378), (Start: 12 @55321 has 194 MA's), (13, 55255), (14, 55234), (19, 55150), (20, 55024), (21, 55018), (22, 54973),

Gene: UncleHowie_62 Start: 54792, Stop: 54436, Start Num: 12

Candidate Starts for UncleHowie_62:

(4, 55080), (Start: 6 @54933 has 5 MA's), (Start: 10 @54873 has 46 MA's), (Start: 12 @54792 has 194 MA's), (13, 54726), (14, 54705), (19, 54621), (20, 54495), (21, 54489), (22, 54444),

Gene: Usavi_64 Start: 55460, Stop: 55104, Start Num: 12

Candidate Starts for Usavi_64:

(4, 55748), (Start: 6 @55601 has 5 MA's), (Start: 10 @55541 has 46 MA's), (Start: 12 @55460 has 194 MA's), (13, 55394), (14, 55373), (19, 55289), (20, 55163), (21, 55157), (22, 55112),

Gene: Vaishali24_63 Start: 54995, Stop: 54639, Start Num: 12

Candidate Starts for Vaishali24_63:

(4, 55283), (Start: 6 @55136 has 5 MA's), (Start: 10 @55076 has 46 MA's), (Start: 12 @54995 has 194 MA's), (13, 54929), (14, 54908), (19, 54824), (20, 54698), (21, 54692), (22, 54647),

Gene: Valjean_64 Start: 55317, Stop: 54961, Start Num: 12

Candidate Starts for Valjean_64:

(4, 55605), (Start: 6 @55458 has 5 MA's), (Start: 10 @55398 has 46 MA's), (Start: 12 @55317 has 194 MA's), (13, 55251), (14, 55230), (17, 55167), (19, 55146), (20, 55020), (21, 55014), (22, 54969),

Gene: Vaticameos_61 Start: 53625, Stop: 53269, Start Num: 12

Candidate Starts for Vaticameos_61:

(4, 53913), (Start: 6 @53766 has 5 MA's), (Start: 10 @53706 has 46 MA's), (Start: 12 @53625 has 194 MA's), (13, 53559), (14, 53538), (19, 53454), (20, 53328), (21, 53322), (22, 53277),

Gene: Veritas_64 Start: 55267, Stop: 54935, Start Num: 12

Candidate Starts for Veritas_64:

(4, 55555), (Start: 6 @55408 has 5 MA's), (Start: 10 @55348 has 46 MA's), (Start: 12 @55267 has 194 MA's), (13, 55201), (14, 55180), (17, 55117), (19, 55096), (20, 54970), (21, 54964),

Gene: Virapocalypse_65 Start: 55416, Stop: 55060, Start Num: 12

Candidate Starts for Virapocalypse_65:

(4, 55704), (Start: 6 @55557 has 5 MA's), (Start: 10 @55497 has 46 MA's), (Start: 12 @55416 has 194 MA's), (13, 55350), (14, 55329), (19, 55245), (20, 55119), (21, 55113), (22, 55068),

Gene: Virgeve_63 Start: 55054, Stop: 54698, Start Num: 12

Candidate Starts for Virgeve_63:

(4, 55342), (Start: 6 @55195 has 5 MA's), (Start: 10 @55135 has 46 MA's), (Start: 12 @55054 has 194 MA's), (13, 54988), (14, 54967), (16, 54922), (19, 54883), (20, 54757), (21, 54751), (22, 54706),

Gene: Vista_63 Start: 55174, Stop: 54737, Start Num: 10

Candidate Starts for Vista_63:

(4, 55381), (Start: 6 @55234 has 5 MA's), (Start: 10 @55174 has 46 MA's), (Start: 12 @55093 has 194 MA's), (13, 55027), (14, 55006), (19, 54922), (20, 54796), (21, 54790), (22, 54745),

Gene: Vivaldi_65 Start: 55692, Stop: 55195, Start Num: 7

Candidate Starts for Vivaldi_65:

(1, 56097), (2, 56082), (3, 56076), (5, 55713), (Start: 7 @55692 has 1 MA's), (Start: 10 @55632 has 46 MA's), (Start: 12 @55551 has 194 MA's), (13, 55485), (14, 55464), (17, 55401), (19, 55380), (20, 55254), (21, 55248), (22, 55203),

Gene: Vortex_63 Start: 55075, Stop: 54719, Start Num: 12

Candidate Starts for Vortex_63:

(4, 55363), (Start: 6 @55216 has 5 MA's), (Start: 10 @55156 has 46 MA's), (Start: 12 @55075 has 194 MA's), (13, 55009), (14, 54988), (19, 54904), (20, 54778), (21, 54772), (22, 54727),

Gene: Wallhey_65 Start: 55198, Stop: 54842, Start Num: 12

Candidate Starts for Wallhey_65:

(4, 55486), (Start: 6 @55339 has 5 MA's), (Start: 10 @55279 has 46 MA's), (Start: 12 @55198 has 194 MA's), (13, 55132), (14, 55111), (19, 55027), (20, 54901), (21, 54895), (22, 54850),

Gene: Waterdiva_64 Start: 55454, Stop: 55098, Start Num: 12

Candidate Starts for Waterdiva_64:

(4, 55742), (Start: 6 @55595 has 5 MA's), (Start: 10 @55535 has 46 MA's), (Start: 12 @55454 has 194 MA's), (13, 55388), (14, 55367), (19, 55283), (20, 55157), (21, 55151), (22, 55106),

Gene: Weher20_62 Start: 55709, Stop: 55377, Start Num: 12

Candidate Starts for Weher20_62:

(4, 55997), (Start: 6 @55850 has 5 MA's), (Start: 10 @55790 has 46 MA's), (Start: 12 @55709 has 194 MA's), (13, 55643), (14, 55622), (17, 55559), (19, 55538), (20, 55412), (21, 55406),

Gene: Windsor_64 Start: 55721, Stop: 55284, Start Num: 10

Candidate Starts for Windsor_64:

(4, 55928), (Start: 6 @55781 has 5 MA's), (Start: 10 @55721 has 46 MA's), (Start: 12 @55640 has 194 MA's), (13, 55574), (14, 55553), (19, 55469), (20, 55343), (21, 55337), (22, 55292),

Gene: Xavier_63 Start: 55082, Stop: 54726, Start Num: 12

Candidate Starts for Xavier_63:

(4, 55370), (Start: 6 @55223 has 5 MA's), (Start: 10 @55163 has 46 MA's), (Start: 12 @55082 has 194 MA's), (13, 55016), (14, 54995), (19, 54911), (20, 54785), (21, 54779), (22, 54734),

Gene: Yoshand_65 Start: 55368, Stop: 55012, Start Num: 12

Candidate Starts for Yoshand_65:

(4, 55656), (Start: 6 @55509 has 5 MA's), (Start: 10 @55449 has 46 MA's), (Start: 12 @55368 has 194 MA's), (13, 55302), (19, 55197), (20, 55071), (21, 55065), (22, 55020),

Gene: YouGoGlencoco_65 Start: 55320, Stop: 54964, Start Num: 12

Candidate Starts for YouGoGlencoco_65:

(4, 55608), (Start: 6 @55461 has 5 MA's), (Start: 10 @55401 has 46 MA's), (Start: 12 @55320 has 194 MA's), (13, 55254), (14, 55233), (19, 55149), (20, 55023), (21, 55017), (22, 54972),

Gene: Zaider_65 Start: 55561, Stop: 55205, Start Num: 12

Candidate Starts for Zaider_65:

(4, 55849), (Start: 6 @55702 has 5 MA's), (Start: 10 @55642 has 46 MA's), (Start: 12 @55561 has 194 MA's), (13, 55495), (14, 55474), (19, 55390), (20, 55264), (21, 55258), (22, 55213),

Gene: Zelda_65 Start: 55722, Stop: 55366, Start Num: 12

Candidate Starts for Zelda_65:

(4, 56010), (Start: 6 @55863 has 5 MA's), (Start: 10 @55803 has 46 MA's), (Start: 12 @55722 has 194 MA's), (13, 55656), (14, 55635), (19, 55551), (20, 55425), (21, 55419), (22, 55374),

Gene: Zonia_65 Start: 55730, Stop: 55293, Start Num: 10

Candidate Starts for Zonia_65:

(4, 55937), (Start: 6 @55790 has 5 MA's), (Start: 10 @55730 has 46 MA's), (Start: 12 @55649 has 194 MA's), (13, 55583), (14, 55562), (19, 55478), (20, 55352), (21, 55346), (22, 55301),