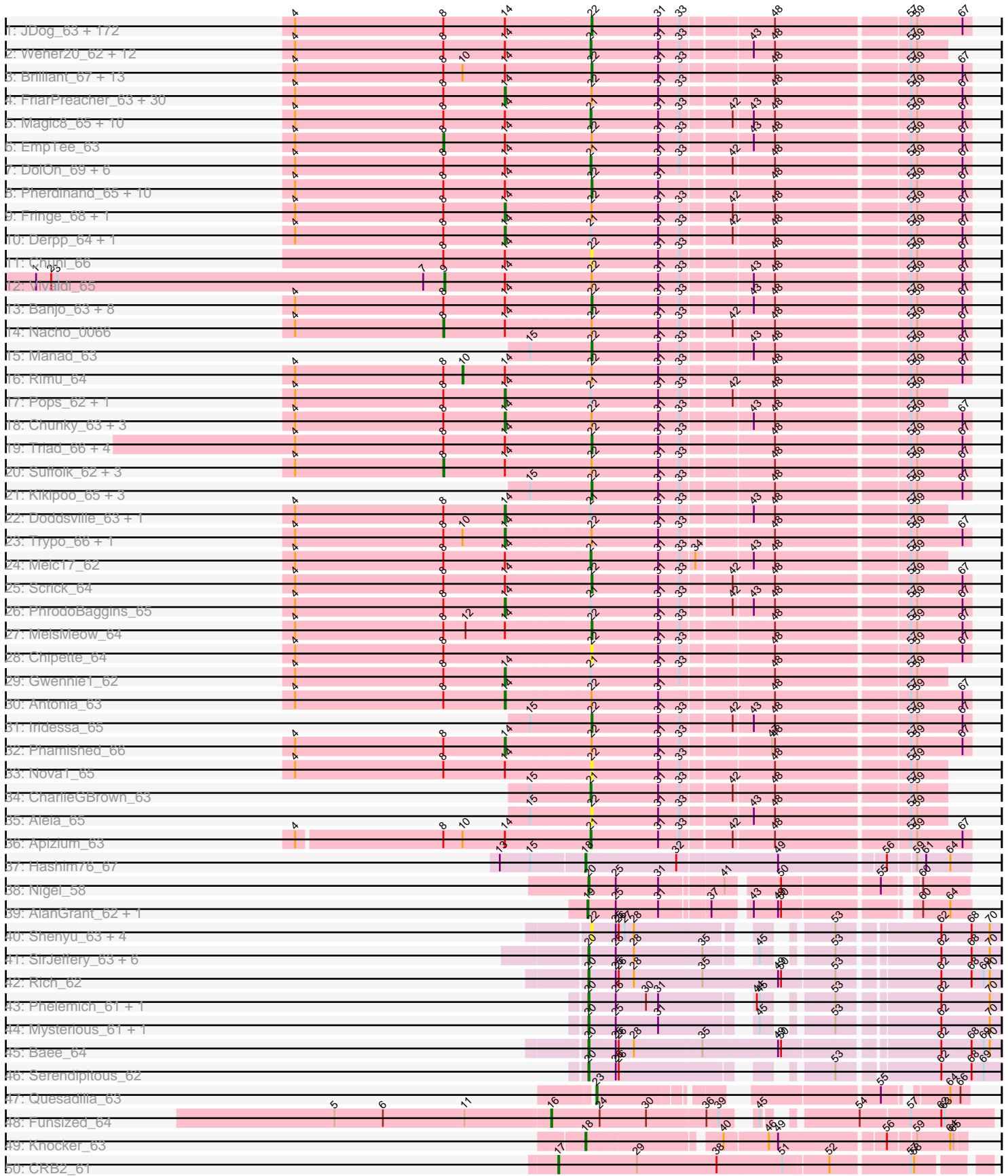


Pham 311124



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 311124 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311124 has 342 members, 36 are drafts.

Phages represented in each track:

- Track 1 : JDog_63, Murdoc_62, DirtJuice_65, Zelda_65, Mulan_64, Prickles_66, Buckeye_64, Riverton_64, Orwigg_63, Thora_63, Anderson_65, LuckyMarjie_62, Basato_64, Swiphy_66, Chaelin_65, Mesmerelda_63, Cher_64, OSmaximus_65, Tomlarah_65, Vortex_63, Megamind20_65, Pacifista_63, Chah_65, RedMaple_65, Plmatters_63, Iridoclysis_64, Larson_68, Nicole21_65, Simielle_64, Waterdiva_64, Numberten_63, Freya_61, Maru_64, Selr12_65, Pinkman_64, NiaNia_66, Schadenfreude_64, Mcshane_63, Olive_64, UncleHowie_62, SilverBell_65, OliverWalter_62, Eugenia_64, Serendipity_63, Mutante_64, BoogieWoogie_65, Cornbread_63, Frankicide_62, Dingo_62, Taraxa_66, KLucky39_62, Thunderbird_64, Grand2040_63, KlimbOn_64, ElvisPhasley_65, Altwerkus_62, Skippy_65, Coletti_67, Lopsy_62, Sophia_63, Surely_64, Chorkpop_64, ProfessorX_63, Childish_63, Virapocalypse_65, Newman_62, Hocus_63, Badfish_64, Mana_63, Daffy_63, Chute_65, ABU_64, Cornobble_63, MiniBoss_62, Hamish_62, Dione_62, Kwadwo_63, Mecca_64, Longacauda_65, Toni_64, LostAndPhound_64, Olak_63, Fang_65, AbsoluteMadLad_64, Keitherie_66, Andre_66, Sigman_64, Orion_65, Scoot17C_64, Legolas_66, Emiris_66, Colbert_62, Phareon_63, LemonSlice_65, CheetO_64, Morgushi_63, Quisquilliae_65, Lulwa_62, Wallhey_65, Beaglebox_63, Jillium_64, KingTut_56, Slatt_65, PG1_64, Jesabah_66, Timmi_63, True_63, Harvey_62, DaddyDaniels_66, Charles1_65, Telesworld_62, Riggan_65, Lasso_64, SassyCat97_63, Phunky_62, Squiggle_64, Omniscient_65, Ricotta_64, Xavier_63, PhatCats2014_64, Phipps_64, Potter_62, Vaticameos_61, HenryJackson_64, Fozzie_64, FleetyMac_67, FugateOSU_65, Katniss_65, GreenChile_65, BlueHusk_66, Orfeu_63, Dice_63, Aonishiki_64, JangoPhett_64, PhatLouie_66, Kahve_64, Tooj_62, DonSancho_61, YouGoGlencoco_65, Nyala_63, Jiraiya_65, Placalicious_65, HighStump_66, TallGrassMM_63, Cosmolli16_65, PallasAthena_66, Hekos_62, Flake_65, FremontTroll_64, Haimas_63, SirBeauregard_65, MRabcd_64, ShadowBud_64, Gophee_65, Mikota_62, Cannibal_64, Adriana_66, Puhltonio_63, Mesh1_65, Sheila_61, Daka_67, Usavi_64, Oosterbaan_63, Horchata_62, Lumine_65, Kloppinator_65, Burr_64, Nathan_65, Matalotodo_63, Zaider_65, TomBombadil_64, Roscoe_65, Caspiboi_64
- Track 2 : Weher20_62, Veritas_64, MichaelPhcott_63, Etaye_64, Dati_62, HogWash_64, Mag7_63, Hartsy_63, AngelCake_63, Phleuron_63, Happabalu_63, DuchessDung_64, BatteryCK_63
- Track 3 : Brilliant_67, Plata_65, Jiminy_65, Durga_67, JakeO_65, DelRivs_62, Oline_64, Karn_65, Duggie_64, BlacksBerry_65, Soile_65, Khan1_65, OneBrain_67, Struggle_65

- Track 4 : FriarPreacher_63, Podrick_63, Soto_62, Vista_63, Zonia_65, Pipsqueak_62, Gareth_64, Serpentine_0064, Giraffe_64, MitKao_64, ThreeOh3D2_65, Roy17_62, Windsor_64, Bishoperium_64, Mosaic_62, LeeLot_64, Held_63, Squid_63, Hertubise_63, DoesntMatter_61, Haleema_63, Lulumae_61, Megatron_64, Cobra_65, JacAttac_65, SDcharge11_64, Eremos_63, LeiMonet_67, ShiVal_62, HSavage_62, Morty_65
- Track 5 : Magic8_65, ImtiyazSitla_65, Ashraf_65, Inchworm_66, Phergie_65, PhrankReynolds_64, Bluephacebaby_64, PhenghisKhan_65, LasagnaCat_66, CampRoach_65, Maskar_65
- Track 6 : EmpTee_63
- Track 7 : DoIOn_69, Gwilliam_65, Schueller_64, GeneCoco_65, TooFast2Furius_64, Virgeve_63, Labeouficaum_65
- Track 8 : Pherdinand_65, Aelin_64, BlackStallion_65, FluffyNinja_65, QueenBeane_64, Yoshand_65, Swish_65, SallyH_67, CamL_64, EmGer13_65, Samaymay_64
- Track 9 : Fringe_68, Gyarad_0063
- Track 10 : Derpp_64, TyrionL_65
- Track 11 : Chuni_66
- Track 12 : Vivaldi_65
- Track 13 : Banjo_63, Crownjwl_63, Boehler_64, Inverness_63, Spartan300_64, Roliet_62, AltPhacts_63, Kimbrough_65, Valjean_64
- Track 14 : Nacho_0066
- Track 15 : Manad_63
- Track 16 : Rimu_64
- Track 17 : Pops_62, PinheadLarry_63
- Track 18 : Chunky_63, Lego3393_62, Craff_67, KingVeVeVe_63
- Track 19 : Triad_66, Vaishali24_63, Robyn_64, Carthage_63, Lehmann_65
- Track 20 : Suffolk_62, RedRaider89_64, Piglet_0064, Kwksand96_65
- Track 21 : Kikipoo_65, IsaacEli_65, UAch1_64, Hetaeria_63
- Track 22 : Doddsville_63, Kailash_63
- Track 23 : Trypo_66, MrPhizzler_67
- Track 24 : Melc17_62
- Track 25 : Scrick_64
- Track 26 : PhrodoBaggins_65
- Track 27 : MelsMeow_64
- Track 28 : Chipette_64
- Track 29 : Gwennie1_62
- Track 30 : Antonia_63
- Track 31 : Iridessa_65
- Track 32 : Phamished_66
- Track 33 : Nova1_65
- Track 34 : CharlieGBrown_63
- Track 35 : Aleia_65
- Track 36 : Apizium_63
- Track 37 : Hashim76_67
- Track 38 : Nigel_58
- Track 39 : AlanGrant_62, Vincenzo_61
- Track 40 : Shenyu_63, StinkyVeggy_63, DigitDog_64, KarasumaRum_63, Nangang_63
- Track 41 : SirJeffery_63, Acadian_64, Reccee_64, Suigeneris_65, EastView9101_63, Donny_65, Rita130_63
- Track 42 : Rich_62
- Track 43 : Phelemich_61, Reprobate_62

- Track 44 : Mysterious_61, Nehemiah_62
- Track 45 : Bae_64
- Track 46 : Serendipitous_62
- Track 47 : Quesadilla_63
- Track 48 : Funsized_64
- Track 49 : Knocker_63
- Track 50 : CRB2_61

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

The start number called the most often in the published annotations is 22, it was called in 199 of the 306 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_64, AbsoluteMadLad_64, Adriana_66, Aelin_64, Aleia_65, AltPhacts_63, Altwerkus_62, Anderson_65, Andre_66, Aonishiki_64, Badfish_64, Banjo_63, Basato_64, Beaglebox_63, BlackStallion_65, BlacksBerry_65, BlueHusk_66, Boehler_64, BoogieWoogie_65, Brilliant_67, Buckeye_64, Burr_64, CamL_64, Cannibal_64, Carthage_63, Caspi_64, Chaelin_65, Chah_65, Charles1_65, CheetO_64, Cher_64, Childish_63, Chipette_64, Chorkpop_64, Chuni_66, Chute_65, Colbert_62, Coletti_67, Cornbread_63, Cornobble_63, Cosmolli16_65, Crownjwl_63, DaddyDaniels_66, Daffy_63, Daka_67, DelRivs_62, Dice_63, DigitDog_64, Dingo_62, Dione_62, DirtJuice_65, DonSancho_61, Duggie_64, Durga_67, ElvisPhasley_65, EmGer13_65, Emiris_66, Eugenia_64, Fang_65, Flake_65, FleetyMac_67, FluffyNinja_65, Fozzie_64, Frankicide_62, FremontTroll_64, Freya_61, FugateOSU_65, Gophee_65, Grand2040_63, GreenChile_65, Haimas_63, Hamish_62, Harvey_62, Hekos_62, HenryJackson_64, Hetaeria_63, HighStump_66, Hocus_63, Horchata_62, Inverness_63, Iridessa_65, Iridoclysis_64, IsaacEli_65, JDog_63, JakeO_65, JangoPhett_64, Jesabah_66, Jillium_64, Jiminy_65, Jiraiya_65, KLucky39_62, Kahve_64, KarasumaRum_63, Karn_65, Katniss_65, Keitherie_66, Khan1_65, Kikipoo_65, Kimbrough_65, KingTut_56, KlimbOn_64, Kloppinator_65, Kwadwo_63, Larson_68, Lasso_64, Legolas_66, Lehmann_65, LemonSlice_65, Longacauda_65, Lopsy_62, LostAndPhound_64, LuckyMarjie_62, Lulwa_62, Lumine_65, MRabcd_64, Mana_63, Manad_63, Maru_64, Matalotodo_63, Mcshane_63, Mecca_64, Megamind20_65, MelsMeow_64, Mesh1_65, Mesmerelda_63, Mikota_62, MiniBoss_62, Morgushi_63, Mulan_64, Murdoc_62, Mutante_64, Nangang_63, Nathan_65, Newman_62, NiaNia_66, Nicole21_65, Nova1_65, Numberten_63, Nyala_63, OSmaximus_65, Olak_63, Oline_64, Olive_64, OliverWalter_62, Omniscient_65, OneBrain_67, Oosterbaan_63, Orfeu_63, Orion_65, Orwigg_63, PG1_64, Pacifista_63, PallasAthena_66, Phareon_63, PhatCats2014_64, PhatLouie_66, Pherdinand_65, Phipps_64, Phunky_62, Pinkman_64, Placalicious_65, Plata_65, Plmatters_63, Potter_62, Prickles_66, ProfessorX_63, Puhltonio_63, QueenBeane_64, Quisquilliae_65, RedMaple_65, Ricotta_64, Riggan_65, Riverton_64, Robyn_64, Roliet_62, Roscoe_65, SallyH_67, Samaymay_64, SassyCat97_63, Schadenfreude_64, Scoot17C_64, Scrick_64, Selr12_65, Serendipity_63, ShadowBud_64, Sheila_61, Shenyu_63, Sigman_64, SilverBell_65, Simielle_64, SirBeauregard_65, Skippy_65, Slatt_65, Soile_65, Sophia_63, Spartan300_64, Squiggle_64, StinkyVeggy_63, Struggle_65, Surely_64, Swiphy_66, Swish_65, TallGrassMM_63, Taraxa_66, Telesworld_62, Thora_63, Thunderbird_64, Timmi_63, TomBombadil_64, Tomlarah_65, Toni_64, Tooj_62,

Triad_66, True_63, UAch1_64, UncleHowie_62, Usavi_64, Vaishali24_63, Valjean_64, Vaticameos_61, Virapocalypse_65, Vortex_63, Wallhey_65, Waterdiva_64, 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, DoesntMatter_61, EmpTee_63, Eremos_63, FriarPreacher_63, Fringe_68, Gareth_64, Giraffe_64, Gyarad_0063, HSavage_62, Haleema_63, Held_63, Hertubise_63, JacAttac_65, KingVeVeVe_63, Kwksand96_65, LeeLot_64, Lego3393_62, LeiMonet_67, Lulumae_61, Megatron_64, MitKao_64, Morty_65, Mosaic_62, MrPhizzler_67, Nacho_0066, Phamished_66, Piglet_0064, Pipsqueak_62, Podrick_63, RedRaider89_64, Rimu_64, Roy17_62, SDcharge11_64, Serpentine_0064, ShiVal_62, Soto_62, Squid_63, Suffolk_62, ThreeOh3D2_65, Trypo_66, Vista_63, Vivaldi_65, Windsor_64, Zonia_65,

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

- Acadian_64, AlanGrant_62, AngelCake_63, Apizium_63, Ashraf_65, Bae_64, BatteryCK_63, Bluephacebaby_64, CRB2_61, CampRoach_65, CharlieGBrown_63, Dati_62, Derpp_64, Doddsville_63, DoOn_69, Donny_65, DuchessDung_64, EastView9101_63, Etaye_64, Funsized_64, GeneCoco_65, Gwennie1_62, Gwilliam_65, Happabalu_63, Hartsy_63, Hashim76_67, HogWash_64, ImtiyazSitla_65, Inchworm_66, Kailash_63, Knocker_63, Labeouficaum_65, LasagnaCat_66, Mag7_63, Magic8_65, Maskar_65, Melc17_62, MichaelPhcott_63, Mysterious_61, Nehemiah_62, Nigel_58, Phelemich_61, PhenghisKhan_65, Phergie_65, Phleuron_63, PhrankReynolds_64, PhrodoBaggins_65, PinheadLarry_63, Pops_62, Quesadilla_63, Reccee_64, Reprobate_62, Rich_62, Rita130_63, Schueller_64, Serendipitous_62, SirJeffery_63, Suigeneris_65, TooFast2Furius_64, TyrionL_65, Veritas_64, Vincenzo_61, Virgeve_63, Weher20_62,

Summary by start number:

Start 8:

- Found in 306 of 342 (89.5%) of genes in pham
- Manual Annotations of this start: 6 of 306
- Called 2.0% of time when present
- Phage (with cluster) where this start called: EmpTee_63 (B1), Kwksand96_65 (B1), Nacho_0066 (B1), Piglet_0064 (B1), RedRaider89_64 (B1), Suffolk_62 (B1),

Start 9:

- Found in 1 of 342 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 306
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Vivaldi_65 (B1),

Start 10:

- Found in 18 of 342 (5.3%) of genes in pham
- Manual Annotations of this start: 1 of 306
- Called 5.6% of time when present
- Phage (with cluster) where this start called: Rimu_64 (B1),

Start 14:

- Found in 306 of 342 (89.5%) of genes in pham

- Manual Annotations of this start: 49 of 306
- Called 16.0% 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), Gwennie1_62 (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), LeiMonet_67 (B1), Lulumae_61 (B1), Megatron_64 (B1), MitKao_64 (B1), Morty_65 (B1), Mosaic_62 (B1), MrPhizzler_67 (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 16:

- Found in 1 of 342 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 306
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Funsized_64 (B9),

Start 17:

- Found in 1 of 342 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 306
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CRB2_61 (B9),

Start 18:

- Found in 2 of 342 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 306
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hashim76_67 (B13), Knocker_63 (B9),

Start 19:

- Found in 2 of 342 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 306
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AlanGrant_62 (B4), Vincenzo_61 (B4),

Start 20:

- Found in 15 of 342 (4.4%) of genes in pham
- Manual Annotations of this start: 12 of 306
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acadian_64 (B5), Bae_64 (B5), Donny_65 (B5), EastView9101_63 (B5), Mysterious_61 (B5), Nehemiah_62 (B5), Nigel_58 (B4), Phelemich_61 (B5), Reccee_64 (B5), Reprobate_62 (B5), Rich_62 (B5), Rita130_63 (B5), Serendipitous_62 (B5), SirJeffery_63 (B5), Suigeneris_65 (B5),

Start 21:

- Found in 42 of 342 (12.3%) of genes in pham
- Manual Annotations of this start: 31 of 306
- Called 81.0% of time when present

- Phage (with cluster) where this start called: AngelCake_63 (B1), Apizium_63 (B1), Ashraf_65 (B1), BatteryCK_63 (B1), Bluephacebaby_64 (B1), CampRoach_65 (B1), CharlieGBrown_63 (B1), Dati_62 (B1), DolOn_69 (B1), DuchessDung_64 (B1), Etaye_64 (B1), GeneCoco_65 (B1), Gwilliam_65 (B1), Happabalu_63 (B1), Hartsy_63 (B1), HogWash_64 (B1), ImtiyazSitla_65 (B1), Inchworm_66 (B1), Labeouficaum_65 (B1), LasagnaCat_66 (B1), Mag7_63 (B1), Magic8_65 (B1), Maskar_65 (B1), Melc17_62 (B1), MichaelPhcott_63 (B1), PhenghisKhan_65 (B1), Phergie_65 (B1), Phleuron_63 (B1), PhrankReynolds_64 (B1), Schueller_64 (B1), TooFast2Furius_64 (B1), Veritas_64 (B1), Virgeve_63 (B1), Weher20_62 (B1),

Start 22:

- Found in 278 of 342 (81.3%) of genes in pham
- Manual Annotations of this start: 199 of 306
- Called 82.4% of time when present
- Phage (with cluster) where this start called: ABU_64 (B1), AbsoluteMadLad_64 (B1), Adriana_66 (B1), Aelin_64 (B1), Aleia_65 (B1), AltPhacts_63 (B1), Altwerkus_62 (B1), Anderson_65 (B1), Andre_66 (B1), Aonishiki_64 (B1), Badfish_64 (B1), Banjo_63 (B1), Basato_64 (B1), Beaglebox_63 (B1), BlackStallion_65 (B1), BlacksBerry_65 (B1), BlueHusk_66 (B1), Boehler_64 (B1), BoogieWoogie_65 (B1), Brilliant_67 (B1), Buckeye_64 (B1), Burr_64 (B1), CamL_64 (B1), Cannibal_64 (B1), Carthage_63 (B1), Caspiboi_64 (B1), Chaelin_65 (B1), Chah_65 (B1), Charles1_65 (B1), CheetO_64 (B1), Cher_64 (B1), Childish_63 (B1), Chipette_64 (B1), Chorkpop_64 (B1), Chuni_66 (B1), Chute_65 (B1), Colbert_62 (B1), Coletti_67 (B1), Cornbread_63 (B1), Cornobble_63 (B1), Cosmolli16_65 (B1), Crownjwl_63 (B1), DaddyDaniels_66 (B1), Daffy_63 (B1), Daka_67 (B1), DelRivs_62 (B1), Dice_63 (B1), DigitDog_64 (B5), Dingo_62 (B1), Dione_62 (B1), DirtJuice_65 (B1), DonSanchon_61 (B1), Duggie_64 (B1), Durga_67 (B1), ElvisPhasley_65 (B1), EmGer13_65 (B1), Emiris_66 (B1), Eugenia_64 (B1), Fang_65 (B1), Flake_65 (B1), FleetyMac_67 (B1), FluffyNinja_65 (B1), Fozzie_64 (B1), Frankicide_62 (B1), FremontTroll_64 (B1), Freya_61 (B1), FugateOSU_65 (B1), Gophee_65 (B1), Grand2040_63 (B1), GreenChile_65 (B1), Haimas_63 (B1), Hamish_62 (B1), Harvey_62 (B1), Hekos_62 (B1), HenryJackson_64 (B1), Hetaeria_63 (B1), HighStump_66 (B1), Hocus_63 (B1), Horchata_62 (B1), Inverness_63 (B1), Iridessa_65 (B1), Iridoclysis_64 (B1), IsaacEli_65 (B1), JDog_63 (B1), JakeO_65 (B1), JangoPhett_64 (B1), Jesabah_66 (B1), Jillium_64 (B1), Jiminy_65 (B1), Jiraiya_65 (B1), KLucky39_62 (B1), Kahve_64 (B1), KarasumaRum_63 (B5), Karn_65 (B1), Katniss_65 (B1), Keitherie_66 (B1), Khan1_65 (B1), Kikipoo_65 (B1), Kimbrough_65 (B1), KingTut_56 (B1), KlimbOn_64 (B1), Kloppinator_65 (B1), Kwadwo_63 (B1), Larson_68 (B1), Lasso_64 (B1), Legolas_66 (B1), Lehmann_65 (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), Mana_63 (B1), Manad_63 (B1), Maru_64 (B1), Matalotodo_63 (B1), Mcshane_63 (B1), Mecca_64 (B1), Megamind20_65 (B1), MelsMeow_64 (B1), Mesh1_65 (B1), Mesmerelda_63 (B1), Mikota_62 (B1), MiniBoss_62 (B1), Morgushi_63 (B1), Mulan_64 (B1), Murdoc_62 (B1), Mutante_64 (B1), Nangang_63 (B5), Nathan_65 (B1), Newman_62 (B1), NiaNia_66 (B1), Nicole21_65 (B1), Nova1_65 (B1), Numberten_63 (B1), Nyala_63 (B1), OSmaximus_65 (B1), Olak_63 (B1), Oline_64 (B1), Olive_64 (B1), OliverWalter_62 (B1), Omniscient_65 (B1), OneBrain_67 (B1), Oosterbaan_63 (B1), Orfeu_63 (B1), Orion_65 (B1), Orwigg_63 (B1), PG1_64 (B1), Pacifista_63 (B1), PallasAthena_66 (B1), Phareon_63 (B1), PhatCats2014_64 (B1), PhatLouie_66 (B1), Pherdinand_65 (B1), Phipps_64 (B1), Phunky_62 (B1), Pinkman_64 (B1), Placalicious_65 (B1), Plata_65 (B1), Plmatters_63 (B1), Potter_62 (B1), Prickles_66 (B1), ProfessorX_63 (B1), Puhltonio_63 (B1), QueenBeane_64 (B1), Quisquiliae_65 (B1), RedMaple_65

(B1), Ricotta_64 (B1), Riggan_65 (B1), Riverton_64 (B1), Robyn_64 (B1), Roliet_62 (B1), Roscoe_65 (B1), SallyH_67 (B1), Samaymay_64 (B1), SassyCat97_63 (B1), Schadenfreude_64 (B1), Scoot17C_64 (B1), Scrick_64 (B1), Selr12_65 (B1), Serendipity_63 (B1), ShadowBud_64 (B1), Sheila_61 (B1), Shenyu_63 (B5), Sigman_64 (B1), SilverBell_65 (B1), Simielle_64 (B1), SirBeauregard_65 (B1), Skippy_65 (B1), Slatt_65 (B1), Soile_65 (B1), Sophia_63 (B1), Spartan300_64 (B1), Squiggle_64 (B1), StinkyVeggy_63 (B5), Struggle_65 (B1), Surely_64 (B1), Swiphy_66 (B1), Swish_65 (B1), TallGrassMM_63 (B1), Taraxa_66 (B1), Telesworld_62 (B1), Thora_63 (B1), Thunderbird_64 (B1), Timmi_63 (B1), TomBombadil_64 (B1), Tomlarah_65 (B1), Toni_64 (B1), Tooj_62 (B1), Triad_66 (B1), True_63 (B1), UAch1_64 (B1), UncleHowie_62 (B1), Usavi_64 (B1), Vaishali24_63 (B1), Valjean_64 (B1), Vaticameos_61 (B1), Virapocalypse_65 (B1), Vortex_63 (B1), Wallhey_65 (B1), Waterdiva_64 (B1), Xavier_63 (B1), Yoshand_65 (B1), YouGoGlencoco_65 (B1), Zaider_65 (B1), Zelda_65 (B1),

Start 23:

- Found in 1 of 342 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 306
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Quesadilla_63 (B9),

Summary by clusters:

There are 5 clusters represented in this pham: B4, B5, B13, B1, B9,

Info for manual annotations of cluster B1:

- Start number 8 was manually annotated 6 times for cluster B1.
- Start number 9 was manually annotated 1 time for cluster B1.
- Start number 10 was manually annotated 1 time for cluster B1.
- Start number 14 was manually annotated 49 times for cluster B1.
- Start number 21 was manually annotated 31 times for cluster B1.
- Start number 22 was manually annotated 199 times for cluster B1.

Info for manual annotations of cluster B13:

- Start number 18 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B4:

- Start number 19 was manually annotated 2 times for cluster B4.
- Start number 20 was manually annotated 1 time for cluster B4.

Info for manual annotations of cluster B5:

- Start number 20 was manually annotated 11 times for cluster B5.

Info for manual annotations of cluster B9:

- Start number 16 was manually annotated 1 time for cluster B9.
- Start number 17 was manually annotated 1 time for cluster B9.
- Start number 18 was manually annotated 1 time for cluster B9.
- Start number 23 was manually annotated 1 time for cluster B9.

Gene Information:

Gene: ABU_64 Start: 55588, Stop: 55232, Start Num: 22

Candidate Starts for ABU_64:

(4, 55876), (Start: 8 @55729 has 6 MA's), (Start: 14 @55669 has 49 MA's), (Start: 22 @55588 has 199 MA's), (31, 55522), (33, 55501), (48, 55417), (57, 55291), (59, 55285), (67, 55240),

Gene: AbsoluteMadLad_64 Start: 55542, Stop: 55186, Start Num: 22

Candidate Starts for AbsoluteMadLad_64:

(4, 55830), (Start: 8 @55683 has 6 MA's), (Start: 14 @55623 has 49 MA's), (Start: 22 @55542 has 199 MA's), (31, 55476), (33, 55455), (48, 55371), (57, 55245), (59, 55239), (67, 55194),

Gene: Acadian_64 Start: 56676, Stop: 56335, Start Num: 20

Candidate Starts for Acadian_64:

(Start: 20 @56676 has 12 MA's), (25, 56649), (28, 56631), (35, 56565), (45, 56532), (53, 56484), (62, 56394), (68, 56364), (70, 56346),

Gene: Adriana_66 Start: 56169, Stop: 55813, Start Num: 22

Candidate Starts for Adriana_66:

(4, 56457), (Start: 8 @56310 has 6 MA's), (Start: 14 @56250 has 49 MA's), (Start: 22 @56169 has 199 MA's), (31, 56103), (33, 56082), (48, 55998), (57, 55872), (59, 55866), (67, 55821),

Gene: Aelin_64 Start: 55106, Stop: 54750, Start Num: 22

Candidate Starts for Aelin_64:

(4, 55394), (Start: 8 @55247 has 6 MA's), (Start: 14 @55187 has 49 MA's), (Start: 22 @55106 has 199 MA's), (31, 55040), (48, 54935), (57, 54809), (59, 54803), (67, 54758),

Gene: AlanGrant_62 Start: 57505, Stop: 57170, Start Num: 19

Candidate Starts for AlanGrant_62:

(Start: 19 @57505 has 2 MA's), (25, 57478), (31, 57436), (37, 57391), (43, 57361), (49, 57337), (50, 57334), (60, 57217), (64, 57190),

Gene: Aleia_65 Start: 55245, Stop: 54913, Start Num: 22

Candidate Starts for Aleia_65:

(15, 55302), (Start: 22 @55245 has 199 MA's), (31, 55179), (33, 55158), (43, 55095), (48, 55074), (57, 54948), (59, 54942),

Gene: AltPhacts_63 Start: 54655, Stop: 54299, Start Num: 22

Candidate Starts for AltPhacts_63:

(4, 54943), (Start: 8 @54796 has 6 MA's), (Start: 14 @54736 has 49 MA's), (Start: 22 @54655 has 199 MA's), (31, 54589), (33, 54568), (43, 54505), (48, 54484), (57, 54358), (59, 54352), (67, 54307),

Gene: Altwerkus_62 Start: 54752, Stop: 54396, Start Num: 22

Candidate Starts for Altwerkus_62:

(4, 55040), (Start: 8 @54893 has 6 MA's), (Start: 14 @54833 has 49 MA's), (Start: 22 @54752 has 199 MA's), (31, 54686), (33, 54665), (48, 54581), (57, 54455), (59, 54449), (67, 54404),

Gene: Anderson_65 Start: 55324, Stop: 54968, Start Num: 22

Candidate Starts for Anderson_65:

(4, 55612), (Start: 8 @55465 has 6 MA's), (Start: 14 @55405 has 49 MA's), (Start: 22 @55324 has 199 MA's), (31, 55258), (33, 55237), (48, 55153), (57, 55027), (59, 55021), (67, 54976),

Gene: Andre_66 Start: 55500, Stop: 55144, Start Num: 22

Candidate Starts for Andre_66:

(4, 55788), (Start: 8 @55641 has 6 MA's), (Start: 14 @55581 has 49 MA's), (Start: 22 @55500 has 199 MA's), (31, 55434), (33, 55413), (48, 55329), (57, 55203), (59, 55197), (67, 55152),

Gene: AngelCake_63 Start: 55239, Stop: 54907, Start Num: 21

Candidate Starts for AngelCake_63:

(4, 55527), (Start: 8 @55380 has 6 MA's), (Start: 14 @55320 has 49 MA's), (Start: 21 @55239 has 31 MA's), (31, 55173), (33, 55152), (43, 55089), (48, 55068), (57, 54942), (59, 54936),

Gene: Antonia_63 Start: 55187, Stop: 54750, Start Num: 14

Candidate Starts for Antonia_63:

(4, 55394), (Start: 8 @55247 has 6 MA's), (Start: 14 @55187 has 49 MA's), (Start: 22 @55106 has 199 MA's), (31, 55040), (48, 54935), (57, 54809), (59, 54803), (67, 54758),

Gene: Aonishiki_64 Start: 55367, Stop: 55011, Start Num: 22

Candidate Starts for Aonishiki_64:

(4, 55655), (Start: 8 @55508 has 6 MA's), (Start: 14 @55448 has 49 MA's), (Start: 22 @55367 has 199 MA's), (31, 55301), (33, 55280), (48, 55196), (57, 55070), (59, 55064), (67, 55019),

Gene: Apizium_63 Start: 54774, Stop: 54418, Start Num: 21

Candidate Starts for Apizium_63:

(4, 55056), (Start: 8 @54915 has 6 MA's), (Start: 10 @54897 has 1 MA's), (Start: 14 @54855 has 49 MA's), (Start: 21 @54774 has 31 MA's), (31, 54708), (33, 54687), (42, 54642), (48, 54603), (57, 54477), (59, 54471), (67, 54426),

Gene: Ashraf_65 Start: 55320, Stop: 54964, Start Num: 21

Candidate Starts for Ashraf_65:

(4, 55608), (Start: 8 @55461 has 6 MA's), (Start: 14 @55401 has 49 MA's), (Start: 21 @55320 has 31 MA's), (31, 55254), (33, 55233), (42, 55188), (43, 55170), (48, 55149), (57, 55023), (59, 55017), (67, 54972),

Gene: Badfish_64 Start: 55610, Stop: 55254, Start Num: 22

Candidate Starts for Badfish_64:

(4, 55898), (Start: 8 @55751 has 6 MA's), (Start: 14 @55691 has 49 MA's), (Start: 22 @55610 has 199 MA's), (31, 55544), (33, 55523), (48, 55439), (57, 55313), (59, 55307), (67, 55262),

Gene: Bae_64 Start: 57648, Stop: 57262, Start Num: 20

Candidate Starts for Bae_64:

(Start: 20 @57648 has 12 MA's), (25, 57621), (26, 57618), (28, 57603), (35, 57537), (49, 57465), (50, 57462), (62, 57321), (68, 57291), (69, 57279), (70, 57273),

Gene: Banjo_63 Start: 55099, Stop: 54743, Start Num: 22

Candidate Starts for Banjo_63:

(4, 55387), (Start: 8 @55240 has 6 MA's), (Start: 14 @55180 has 49 MA's), (Start: 22 @55099 has 199 MA's), (31, 55033), (33, 55012), (43, 54949), (48, 54928), (57, 54802), (59, 54796), (67, 54751),

Gene: Basato_64 Start: 55373, Stop: 55017, Start Num: 22

Candidate Starts for Basato_64:

(4, 55661), (Start: 8 @55514 has 6 MA's), (Start: 14 @55454 has 49 MA's), (Start: 22 @55373 has 199 MA's), (31, 55307), (33, 55286), (48, 55202), (57, 55076), (59, 55070), (67, 55025),

Gene: BatteryCK_63 Start: 55067, Stop: 54735, Start Num: 21

Candidate Starts for BatteryCK_63:

(4, 55355), (Start: 8 @55208 has 6 MA's), (Start: 14 @55148 has 49 MA's), (Start: 21 @55067 has 31 MA's), (31, 55001), (33, 54980), (43, 54917), (48, 54896), (57, 54770), (59, 54764),

Gene: Beaglebox_63 Start: 55163, Stop: 54807, Start Num: 22

Candidate Starts for Beaglebox_63:

(4, 55451), (Start: 8 @55304 has 6 MA's), (Start: 14 @55244 has 49 MA's), (Start: 22 @55163 has 199 MA's), (31, 55097), (33, 55076), (48, 54992), (57, 54866), (59, 54860), (67, 54815),

Gene: Bishoperium_64 Start: 55719, Stop: 55282, Start Num: 14

Candidate Starts for Bishoperium_64:

(4, 55926), (Start: 8 @55779 has 6 MA's), (Start: 14 @55719 has 49 MA's), (Start: 22 @55638 has 199 MA's), (31, 55572), (33, 55551), (48, 55467), (57, 55341), (59, 55335), (67, 55290),

Gene: BlackStallion_65 Start: 55367, Stop: 55011, Start Num: 22

Candidate Starts for BlackStallion_65:

(4, 55655), (Start: 8 @55508 has 6 MA's), (Start: 14 @55448 has 49 MA's), (Start: 22 @55367 has 199 MA's), (31, 55301), (48, 55196), (57, 55070), (59, 55064), (67, 55019),

Gene: BlacksBerry_65 Start: 54999, Stop: 54643, Start Num: 22

Candidate Starts for BlacksBerry_65:

(4, 55287), (Start: 8 @55140 has 6 MA's), (Start: 10 @55122 has 1 MA's), (Start: 14 @55080 has 49 MA's), (Start: 22 @54999 has 199 MA's), (31, 54933), (33, 54912), (48, 54828), (57, 54702), (59, 54696), (67, 54651),

Gene: BlueHusk_66 Start: 55122, Stop: 54766, Start Num: 22

Candidate Starts for BlueHusk_66:

(4, 55410), (Start: 8 @55263 has 6 MA's), (Start: 14 @55203 has 49 MA's), (Start: 22 @55122 has 199 MA's), (31, 55056), (33, 55035), (48, 54951), (57, 54825), (59, 54819), (67, 54774),

Gene: Bluephacebaby_64 Start: 55641, Stop: 55285, Start Num: 21

Candidate Starts for Bluephacebaby_64:

(4, 55929), (Start: 8 @55782 has 6 MA's), (Start: 14 @55722 has 49 MA's), (Start: 21 @55641 has 31 MA's), (31, 55575), (33, 55554), (42, 55509), (43, 55491), (48, 55470), (57, 55344), (59, 55338), (67, 55293),

Gene: Boehler_64 Start: 55285, Stop: 54929, Start Num: 22

Candidate Starts for Boehler_64:

(4, 55573), (Start: 8 @55426 has 6 MA's), (Start: 14 @55366 has 49 MA's), (Start: 22 @55285 has 199 MA's), (31, 55219), (33, 55198), (43, 55135), (48, 55114), (57, 54988), (59, 54982), (67, 54937),

Gene: BoogieWoogie_65 Start: 55074, Stop: 54718, Start Num: 22

Candidate Starts for BoogieWoogie_65:

(4, 55362), (Start: 8 @55215 has 6 MA's), (Start: 14 @55155 has 49 MA's), (Start: 22 @55074 has 199 MA's), (31, 55008), (33, 54987), (48, 54903), (57, 54777), (59, 54771), (67, 54726),

Gene: Brilliant_67 Start: 55607, Stop: 55251, Start Num: 22

Candidate Starts for Brilliant_67:

(4, 55895), (Start: 8 @55748 has 6 MA's), (Start: 10 @55730 has 1 MA's), (Start: 14 @55688 has 49 MA's), (Start: 22 @55607 has 199 MA's), (31, 55541), (33, 55520), (48, 55436), (57, 55310), (59, 55304), (67, 55259),

Gene: Buckeye_64 Start: 55899, Stop: 55543, Start Num: 22

Candidate Starts for Buckeye_64:

(4, 56187), (Start: 8 @56040 has 6 MA's), (Start: 14 @55980 has 49 MA's), (Start: 22 @55899 has 199 MA's), (31, 55833), (33, 55812), (48, 55728), (57, 55602), (59, 55596), (67, 55551),

Gene: Burr_64 Start: 55074, Stop: 54718, Start Num: 22

Candidate Starts for Burr_64:

(4, 55362), (Start: 8 @55215 has 6 MA's), (Start: 14 @55155 has 49 MA's), (Start: 22 @55074 has 199 MA's), (31, 55008), (33, 54987), (48, 54903), (57, 54777), (59, 54771), (67, 54726),

Gene: CRB2_61 Start: 57387, Stop: 56986, Start Num: 17

Candidate Starts for CRB2_61:

(Start: 17 @57387 has 1 MA's), (29, 57309), (38, 57231), (51, 57168), (52, 57126), (57, 57051), (58, 57048),

Gene: CamL_64 Start: 55406, Stop: 55050, Start Num: 22

Candidate Starts for CamL_64:

(4, 55694), (Start: 8 @55547 has 6 MA's), (Start: 14 @55487 has 49 MA's), (Start: 22 @55406 has 199 MA's), (31, 55340), (48, 55235), (57, 55109), (59, 55103), (67, 55058),

Gene: CampRoach_65 Start: 55511, Stop: 55155, Start Num: 21

Candidate Starts for CampRoach_65:

(4, 55799), (Start: 8 @55652 has 6 MA's), (Start: 14 @55592 has 49 MA's), (Start: 21 @55511 has 31 MA's), (31, 55445), (33, 55424), (42, 55379), (43, 55361), (48, 55340), (57, 55214), (59, 55208), (67, 55163),

Gene: Cannibal_64 Start: 55348, Stop: 54992, Start Num: 22

Candidate Starts for Cannibal_64:

(4, 55636), (Start: 8 @55489 has 6 MA's), (Start: 14 @55429 has 49 MA's), (Start: 22 @55348 has 199 MA's), (31, 55282), (33, 55261), (48, 55177), (57, 55051), (59, 55045), (67, 55000),

Gene: Carthage_63 Start: 54586, Stop: 54230, Start Num: 22

Candidate Starts for Carthage_63:

(4, 54874), (Start: 8 @54727 has 6 MA's), (Start: 14 @54667 has 49 MA's), (Start: 22 @54586 has 199 MA's), (31, 54520), (33, 54499), (48, 54415), (57, 54289), (59, 54283), (67, 54238),

Gene: Caspiboi_64 Start: 55332, Stop: 54976, Start Num: 22

Candidate Starts for Caspiboi_64:

(4, 55620), (Start: 8 @55473 has 6 MA's), (Start: 14 @55413 has 49 MA's), (Start: 22 @55332 has 199 MA's), (31, 55266), (33, 55245), (48, 55161), (57, 55035), (59, 55029), (67, 54984),

Gene: Chaelin_65 Start: 55636, Stop: 55280, Start Num: 22

Candidate Starts for Chaelin_65:

(4, 55924), (Start: 8 @55777 has 6 MA's), (Start: 14 @55717 has 49 MA's), (Start: 22 @55636 has 199 MA's), (31, 55570), (33, 55549), (48, 55465), (57, 55339), (59, 55333), (67, 55288),

Gene: Chah_65 Start: 55051, Stop: 54695, Start Num: 22

Candidate Starts for Chah_65:

(4, 55339), (Start: 8 @55192 has 6 MA's), (Start: 14 @55132 has 49 MA's), (Start: 22 @55051 has 199 MA's), (31, 54985), (33, 54964), (48, 54880), (57, 54754), (59, 54748), (67, 54703),

Gene: Charles1_65 Start: 55361, Stop: 55005, Start Num: 22

Candidate Starts for Charles1_65:

(4, 55649), (Start: 8 @55502 has 6 MA's), (Start: 14 @55442 has 49 MA's), (Start: 22 @55361 has 199 MA's), (31, 55295), (33, 55274), (48, 55190), (57, 55064), (59, 55058), (67, 55013),

Gene: CharlieGBrown_63 Start: 55011, Stop: 54679, Start Num: 21

Candidate Starts for CharlieGBrown_63:

(15, 55068), (Start: 21 @55011 has 31 MA's), (31, 54945), (33, 54924), (42, 54879), (48, 54840), (57, 54714), (59, 54708),

Gene: CheetO_64 Start: 55322, Stop: 54966, Start Num: 22

Candidate Starts for CheetO_64:

(4, 55610), (Start: 8 @55463 has 6 MA's), (Start: 14 @55403 has 49 MA's), (Start: 22 @55322 has 199 MA's), (31, 55256), (33, 55235), (48, 55151), (57, 55025), (59, 55019), (67, 54974),

Gene: Cher_64 Start: 55616, Stop: 55260, Start Num: 22

Candidate Starts for Cher_64:

(4, 55904), (Start: 8 @55757 has 6 MA's), (Start: 14 @55697 has 49 MA's), (Start: 22 @55616 has 199 MA's), (31, 55550), (33, 55529), (48, 55445), (57, 55319), (59, 55313), (67, 55268),

Gene: Childish_63 Start: 55627, Stop: 55271, Start Num: 22

Candidate Starts for Childish_63:

(4, 55915), (Start: 8 @55768 has 6 MA's), (Start: 14 @55708 has 49 MA's), (Start: 22 @55627 has 199 MA's), (31, 55561), (33, 55540), (48, 55456), (57, 55330), (59, 55324), (67, 55279),

Gene: Chipette_64 Start: 55317, Stop: 54961, Start Num: 22

Candidate Starts for Chipette_64:

(4, 55605), (Start: 8 @55458 has 6 MA's), (Start: 22 @55317 has 199 MA's), (31, 55251), (33, 55230), (48, 55146), (57, 55020), (59, 55014), (67, 54969),

Gene: Chorkpop_64 Start: 55103, Stop: 54747, Start Num: 22

Candidate Starts for Chorkpop_64:

(4, 55391), (Start: 8 @55244 has 6 MA's), (Start: 14 @55184 has 49 MA's), (Start: 22 @55103 has 199 MA's), (31, 55037), (33, 55016), (48, 54932), (57, 54806), (59, 54800), (67, 54755),

Gene: Chuni_66 Start: 55863, Stop: 55507, Start Num: 22

Candidate Starts for Chuni_66:

(Start: 8 @56004 has 6 MA's), (Start: 14 @55944 has 49 MA's), (Start: 22 @55863 has 199 MA's), (31, 55797), (33, 55776), (48, 55692), (57, 55566), (59, 55560), (67, 55515),

Gene: Chunky_63 Start: 54733, Stop: 54296, Start Num: 14

Candidate Starts for Chunky_63:

(4, 54940), (Start: 8 @54793 has 6 MA's), (Start: 14 @54733 has 49 MA's), (Start: 22 @54652 has 199 MA's), (31, 54586), (33, 54565), (43, 54502), (48, 54481), (57, 54355), (59, 54349), (67, 54304),

Gene: Chute_65 Start: 55664, Stop: 55308, Start Num: 22

Candidate Starts for Chute_65:

(4, 55952), (Start: 8 @55805 has 6 MA's), (Start: 14 @55745 has 49 MA's), (Start: 22 @55664 has 199 MA's), (31, 55598), (33, 55577), (48, 55493), (57, 55367), (59, 55361), (67, 55316),

Gene: Cobra_65 Start: 55729, Stop: 55292, Start Num: 14

Candidate Starts for Cobra_65:

(4, 55936), (Start: 8 @55789 has 6 MA's), (Start: 14 @55729 has 49 MA's), (Start: 22 @55648 has 199 MA's), (31, 55582), (33, 55561), (48, 55477), (57, 55351), (59, 55345), (67, 55300),

Gene: Colbert_62 Start: 54662, Stop: 54306, Start Num: 22

Candidate Starts for Colbert_62:

(4, 54950), (Start: 8 @54803 has 6 MA's), (Start: 14 @54743 has 49 MA's), (Start: 22 @54662 has 199 MA's), (31, 54596), (33, 54575), (48, 54491), (57, 54365), (59, 54359), (67, 54314),

Gene: Coletti_67 Start: 56164, Stop: 55808, Start Num: 22

Candidate Starts for Coletti_67:

(4, 56452), (Start: 8 @56305 has 6 MA's), (Start: 14 @56245 has 49 MA's), (Start: 22 @56164 has 199 MA's), (31, 56098), (33, 56077), (48, 55993), (57, 55867), (59, 55861), (67, 55816),

Gene: Cornbread_63 Start: 55128, Stop: 54772, Start Num: 22

Candidate Starts for Cornbread_63:

(4, 55416), (Start: 8 @55269 has 6 MA's), (Start: 14 @55209 has 49 MA's), (Start: 22 @55128 has 199 MA's), (31, 55062), (33, 55041), (48, 54957), (57, 54831), (59, 54825), (67, 54780),

Gene: Cornobble_63 Start: 55096, Stop: 54740, Start Num: 22

Candidate Starts for Cornobble_63:

(4, 55384), (Start: 8 @55237 has 6 MA's), (Start: 14 @55177 has 49 MA's), (Start: 22 @55096 has 199 MA's), (31, 55030), (33, 55009), (48, 54925), (57, 54799), (59, 54793), (67, 54748),

Gene: Cosmolli16_65 Start: 55806, Stop: 55450, Start Num: 22

Candidate Starts for Cosmolli16_65:

(4, 56094), (Start: 8 @55947 has 6 MA's), (Start: 14 @55887 has 49 MA's), (Start: 22 @55806 has 199 MA's), (31, 55740), (33, 55719), (48, 55635), (57, 55509), (59, 55503), (67, 55458),

Gene: Craff_67 Start: 56132, Stop: 55695, Start Num: 14

Candidate Starts for Craff_67:

(4, 56339), (Start: 8 @56192 has 6 MA's), (Start: 14 @56132 has 49 MA's), (Start: 22 @56051 has 199 MA's), (31, 55985), (33, 55964), (43, 55901), (48, 55880), (57, 55754), (59, 55748), (67, 55703),

Gene: Crownjwl_63 Start: 55125, Stop: 54769, Start Num: 22

Candidate Starts for Crownjwl_63:

(4, 55413), (Start: 8 @55266 has 6 MA's), (Start: 14 @55206 has 49 MA's), (Start: 22 @55125 has 199 MA's), (31, 55059), (33, 55038), (43, 54975), (48, 54954), (57, 54828), (59, 54822), (67, 54777),

Gene: DaddyDaniels_66 Start: 55584, Stop: 55228, Start Num: 22

Candidate Starts for DaddyDaniels_66:

(4, 55872), (Start: 8 @55725 has 6 MA's), (Start: 14 @55665 has 49 MA's), (Start: 22 @55584 has 199 MA's), (31, 55518), (33, 55497), (48, 55413), (57, 55287), (59, 55281), (67, 55236),

Gene: Daffy_63 Start: 55089, Stop: 54733, Start Num: 22

Candidate Starts for Daffy_63:

(4, 55377), (Start: 8 @55230 has 6 MA's), (Start: 14 @55170 has 49 MA's), (Start: 22 @55089 has 199 MA's), (31, 55023), (33, 55002), (48, 54918), (57, 54792), (59, 54786), (67, 54741),

Gene: Daka_67 Start: 55605, Stop: 55249, Start Num: 22

Candidate Starts for Daka_67:

(4, 55893), (Start: 8 @55746 has 6 MA's), (Start: 14 @55686 has 49 MA's), (Start: 22 @55605 has 199 MA's), (31, 55539), (33, 55518), (48, 55434), (57, 55308), (59, 55302), (67, 55257),

Gene: Dati_62 Start: 55432, Stop: 55100, Start Num: 21

Candidate Starts for Dati_62:

(4, 55720), (Start: 8 @55573 has 6 MA's), (Start: 14 @55513 has 49 MA's), (Start: 21 @55432 has 31 MA's), (31, 55366), (33, 55345), (43, 55282), (48, 55261), (57, 55135), (59, 55129),

Gene: DelRivs_62 Start: 55074, Stop: 54718, Start Num: 22

Candidate Starts for DelRivs_62:

(4, 55362), (Start: 8 @55215 has 6 MA's), (Start: 10 @55197 has 1 MA's), (Start: 14 @55155 has 49 MA's), (Start: 22 @55074 has 199 MA's), (31, 55008), (33, 54987), (48, 54903), (57, 54777), (59, 54771), (67, 54726),

Gene: Derpp_64 Start: 55269, Stop: 54832, Start Num: 14

Candidate Starts for Derpp_64:

(4, 55476), (Start: 8 @55329 has 6 MA's), (Start: 14 @55269 has 49 MA's), (Start: 21 @55188 has 31 MA's), (31, 55122), (33, 55101), (42, 55056), (48, 55017), (57, 54891), (59, 54885), (67, 54840),

Gene: Dice_63 Start: 55072, Stop: 54716, Start Num: 22

Candidate Starts for Dice_63:

(4, 55360), (Start: 8 @55213 has 6 MA's), (Start: 14 @55153 has 49 MA's), (Start: 22 @55072 has 199 MA's), (31, 55006), (33, 54985), (48, 54901), (57, 54775), (59, 54769), (67, 54724),

Gene: DigitDog_64 Start: 56730, Stop: 56395, Start Num: 22

Candidate Starts for DigitDog_64:

(Start: 22 @56730 has 199 MA's), (25, 56706), (26, 56703), (27, 56697), (28, 56688), (53, 56544), (62, 56454), (68, 56424), (70, 56406),

Gene: Dingo_62 Start: 54631, Stop: 54275, Start Num: 22

Candidate Starts for Dingo_62:

(4, 54919), (Start: 8 @54772 has 6 MA's), (Start: 14 @54712 has 49 MA's), (Start: 22 @54631 has 199 MA's), (31, 54565), (33, 54544), (48, 54460), (57, 54334), (59, 54328), (67, 54283),

Gene: Dione_62 Start: 54803, Stop: 54447, Start Num: 22

Candidate Starts for Dione_62:

(4, 55091), (Start: 8 @54944 has 6 MA's), (Start: 14 @54884 has 49 MA's), (Start: 22 @54803 has 199 MA's), (31, 54737), (33, 54716), (48, 54632), (57, 54506), (59, 54500), (67, 54455),

Gene: DirtJuice_65 Start: 55393, Stop: 55037, Start Num: 22

Candidate Starts for DirtJuice_65:

(4, 55681), (Start: 8 @55534 has 6 MA's), (Start: 14 @55474 has 49 MA's), (Start: 22 @55393 has 199 MA's), (31, 55327), (33, 55306), (48, 55222), (57, 55096), (59, 55090), (67, 55045),

Gene: Doddsville_63 Start: 55232, Stop: 54819, Start Num: 14

Candidate Starts for Doddsville_63:

(4, 55439), (Start: 8 @55292 has 6 MA's), (Start: 14 @55232 has 49 MA's), (Start: 21 @55151 has 31 MA's), (31, 55085), (33, 55064), (43, 55001), (48, 54980), (57, 54854), (59, 54848),

Gene: DoesntMatter_61 Start: 55177, Stop: 54740, Start Num: 14

Candidate Starts for DoesntMatter_61:

(4, 55384), (Start: 8 @55237 has 6 MA's), (Start: 14 @55177 has 49 MA's), (Start: 22 @55096 has 199 MA's), (31, 55030), (33, 55009), (48, 54925), (57, 54799), (59, 54793), (67, 54748),

Gene: DolOn_69 Start: 56551, Stop: 56195, Start Num: 21

Candidate Starts for DolOn_69:

(4, 56839), (Start: 8 @56692 has 6 MA's), (Start: 14 @56632 has 49 MA's), (Start: 21 @56551 has 31 MA's), (31, 56485), (33, 56464), (42, 56419), (48, 56380), (57, 56254), (59, 56248), (67, 56203),

Gene: DonSanchon_61 Start: 54786, Stop: 54430, Start Num: 22

Candidate Starts for DonSanchon_61:

(4, 55074), (Start: 8 @54927 has 6 MA's), (Start: 14 @54867 has 49 MA's), (Start: 22 @54786 has 199 MA's), (31, 54720), (33, 54699), (48, 54615), (57, 54489), (59, 54483), (67, 54438),

Gene: Donny_65 Start: 56722, Stop: 56381, Start Num: 20

Candidate Starts for Donny_65:

(Start: 20 @56722 has 12 MA's), (25, 56695), (28, 56677), (35, 56611), (45, 56578), (53, 56530), (62, 56440), (68, 56410), (70, 56392),

Gene: DuchessDung_64 Start: 54669, Stop: 54337, Start Num: 21

Candidate Starts for DuchessDung_64:

(4, 54957), (Start: 8 @54810 has 6 MA's), (Start: 14 @54750 has 49 MA's), (Start: 21 @54669 has 31 MA's), (31, 54603), (33, 54582), (43, 54519), (48, 54498), (57, 54372), (59, 54366),

Gene: Duggie_64 Start: 55347, Stop: 54991, Start Num: 22

Candidate Starts for Duggie_64:

(4, 55635), (Start: 8 @55488 has 6 MA's), (Start: 10 @55470 has 1 MA's), (Start: 14 @55428 has 49 MA's), (Start: 22 @55347 has 199 MA's), (31, 55281), (33, 55260), (48, 55176), (57, 55050), (59, 55044), (67, 54999),

Gene: Durga_67 Start: 55836, Stop: 55480, Start Num: 22

Candidate Starts for Durga_67:

(4, 56124), (Start: 8 @55977 has 6 MA's), (Start: 10 @55959 has 1 MA's), (Start: 14 @55917 has 49 MA's), (Start: 22 @55836 has 199 MA's), (31, 55770), (33, 55749), (48, 55665), (57, 55539), (59, 55533), (67, 55488),

Gene: EastView9101_63 Start: 56420, Stop: 56079, Start Num: 20

Candidate Starts for EastView9101_63:

(Start: 20 @56420 has 12 MA's), (25, 56393), (28, 56375), (35, 56309), (45, 56276), (53, 56228), (62, 56138), (68, 56108), (70, 56090),

Gene: ElvisPhasley_65 Start: 55832, Stop: 55476, Start Num: 22

Candidate Starts for ElvisPhasley_65:

(4, 56120), (Start: 8 @55973 has 6 MA's), (Start: 14 @55913 has 49 MA's), (Start: 22 @55832 has 199 MA's), (31, 55766), (33, 55745), (48, 55661), (57, 55535), (59, 55529), (67, 55484),

Gene: EmGer13_65 Start: 55106, Stop: 54750, Start Num: 22

Candidate Starts for EmGer13_65:

(4, 55394), (Start: 8 @55247 has 6 MA's), (Start: 14 @55187 has 49 MA's), (Start: 22 @55106 has 199 MA's), (31, 55040), (48, 54935), (57, 54809), (59, 54803), (67, 54758),

Gene: Emiris_66 Start: 55803, Stop: 55447, Start Num: 22

Candidate Starts for Emiris_66:

(4, 56091), (Start: 8 @55944 has 6 MA's), (Start: 14 @55884 has 49 MA's), (Start: 22 @55803 has 199 MA's), (31, 55737), (33, 55716), (48, 55632), (57, 55506), (59, 55500), (67, 55455),

Gene: EmpTee_63 Start: 55453, Stop: 54956, Start Num: 8

Candidate Starts for EmpTee_63:

(4, 55600), (Start: 8 @55453 has 6 MA's), (Start: 14 @55393 has 49 MA's), (Start: 22 @55312 has 199 MA's), (31, 55246), (33, 55225), (43, 55162), (48, 55141), (57, 55015), (59, 55009), (67, 54964),

Gene: Eremos_63 Start: 55383, Stop: 54946, Start Num: 14

Candidate Starts for Eremos_63:

(4, 55590), (Start: 8 @55443 has 6 MA's), (Start: 14 @55383 has 49 MA's), (Start: 22 @55302 has 199 MA's), (31, 55236), (33, 55215), (48, 55131), (57, 55005), (59, 54999), (67, 54954),

Gene: Etaye_64 Start: 55945, Stop: 55613, Start Num: 21

Candidate Starts for Etaye_64:

(4, 56233), (Start: 8 @56086 has 6 MA's), (Start: 14 @56026 has 49 MA's), (Start: 21 @55945 has 31 MA's), (31, 55879), (33, 55858), (43, 55795), (48, 55774), (57, 55648), (59, 55642),

Gene: Eugenia_64 Start: 55455, Stop: 55099, Start Num: 22

Candidate Starts for Eugenia_64:

(4, 55743), (Start: 8 @55596 has 6 MA's), (Start: 14 @55536 has 49 MA's), (Start: 22 @55455 has 199 MA's), (31, 55389), (33, 55368), (48, 55284), (57, 55158), (59, 55152), (67, 55107),

Gene: Fang_65 Start: 55348, Stop: 54992, Start Num: 22

Candidate Starts for Fang_65:

(4, 55636), (Start: 8 @55489 has 6 MA's), (Start: 14 @55429 has 49 MA's), (Start: 22 @55348 has 199 MA's), (31, 55282), (33, 55261), (48, 55177), (57, 55051), (59, 55045), (67, 55000),

Gene: Flake_65 Start: 55344, Stop: 54988, Start Num: 22

Candidate Starts for Flake_65:

(4, 55632), (Start: 8 @55485 has 6 MA's), (Start: 14 @55425 has 49 MA's), (Start: 22 @55344 has 199 MA's), (31, 55278), (33, 55257), (48, 55173), (57, 55047), (59, 55041), (67, 54996),

Gene: FleetyMac_67 Start: 55286, Stop: 54930, Start Num: 22

Candidate Starts for FleetyMac_67:

(4, 55574), (Start: 8 @55427 has 6 MA's), (Start: 14 @55367 has 49 MA's), (Start: 22 @55286 has 199 MA's), (31, 55220), (33, 55199), (48, 55115), (57, 54989), (59, 54983), (67, 54938),

Gene: FluffyNinja_65 Start: 55368, Stop: 55012, Start Num: 22

Candidate Starts for FluffyNinja_65:

(4, 55656), (Start: 8 @55509 has 6 MA's), (Start: 14 @55449 has 49 MA's), (Start: 22 @55368 has 199 MA's), (31, 55302), (48, 55197), (57, 55071), (59, 55065), (67, 55020),

Gene: Fozzie_64 Start: 55594, Stop: 55238, Start Num: 22

Candidate Starts for Fozzie_64:

(4, 55882), (Start: 8 @55735 has 6 MA's), (Start: 14 @55675 has 49 MA's), (Start: 22 @55594 has 199 MA's), (31, 55528), (33, 55507), (48, 55423), (57, 55297), (59, 55291), (67, 55246),

Gene: Frankicide_62 Start: 55134, Stop: 54778, Start Num: 22

Candidate Starts for Frankicide_62:

(4, 55422), (Start: 8 @55275 has 6 MA's), (Start: 14 @55215 has 49 MA's), (Start: 22 @55134 has 199 MA's), (31, 55068), (33, 55047), (48, 54963), (57, 54837), (59, 54831), (67, 54786),

Gene: FremontTroll_64 Start: 55700, Stop: 55344, Start Num: 22

Candidate Starts for FremontTroll_64:

(4, 55988), (Start: 8 @55841 has 6 MA's), (Start: 14 @55781 has 49 MA's), (Start: 22 @55700 has 199 MA's), (31, 55634), (33, 55613), (48, 55529), (57, 55403), (59, 55397), (67, 55352),

Gene: Freya_61 Start: 54794, Stop: 54438, Start Num: 22

Candidate Starts for Freya_61:

(4, 55082), (Start: 8 @54935 has 6 MA's), (Start: 14 @54875 has 49 MA's), (Start: 22 @54794 has 199 MA's), (31, 54728), (33, 54707), (48, 54623), (57, 54497), (59, 54491), (67, 54446),

Gene: FriarPreacher_63 Start: 55268, Stop: 54831, Start Num: 14

Candidate Starts for FriarPreacher_63:

(4, 55475), (Start: 8 @55328 has 6 MA's), (Start: 14 @55268 has 49 MA's), (Start: 22 @55187 has 199 MA's), (31, 55121), (33, 55100), (48, 55016), (57, 54890), (59, 54884), (67, 54839),

Gene: Fringe_68 Start: 56051, Stop: 55614, Start Num: 14

Candidate Starts for Fringe_68:

(4, 56258), (Start: 8 @56111 has 6 MA's), (Start: 14 @56051 has 49 MA's), (Start: 22 @55970 has 199 MA's), (31, 55904), (33, 55883), (42, 55838), (48, 55799), (57, 55673), (59, 55667), (67, 55622),

Gene: FugateOSU_65 Start: 56139, Stop: 55783, Start Num: 22

Candidate Starts for FugateOSU_65:

(4, 56427), (Start: 8 @56280 has 6 MA's), (Start: 14 @56220 has 49 MA's), (Start: 22 @56139 has 199 MA's), (31, 56073), (33, 56052), (48, 55968), (57, 55842), (59, 55836), (67, 55791),

Gene: Funsized_64 Start: 58606, Stop: 58226, Start Num: 16

Candidate Starts for Funsized_64:

(5, 58819), (6, 58771), (11, 58690), (Start: 16 @58606 has 1 MA's), (24, 58558), (30, 58513), (36, 58456), (39, 58444), (45, 58423), (54, 58354), (57, 58306), (62, 58276), (63, 58273),

Gene: Gareth_64 Start: 55673, Stop: 55236, Start Num: 14

Candidate Starts for Gareth_64:

(4, 55880), (Start: 8 @55733 has 6 MA's), (Start: 14 @55673 has 49 MA's), (Start: 22 @55592 has 199 MA's), (31, 55526), (33, 55505), (48, 55421), (57, 55295), (59, 55289), (67, 55244),

Gene: GeneCoco_65 Start: 55636, Stop: 55280, Start Num: 21

Candidate Starts for GeneCoco_65:

(4, 55924), (Start: 8 @55777 has 6 MA's), (Start: 14 @55717 has 49 MA's), (Start: 21 @55636 has 31 MA's), (31, 55570), (33, 55549), (42, 55504), (48, 55465), (57, 55339), (59, 55333), (67, 55288),

Gene: Giraffe_64 Start: 55668, Stop: 55231, Start Num: 14

Candidate Starts for Giraffe_64:

(4, 55875), (Start: 8 @55728 has 6 MA's), (Start: 14 @55668 has 49 MA's), (Start: 22 @55587 has 199 MA's), (31, 55521), (33, 55500), (48, 55416), (57, 55290), (59, 55284), (67, 55239),

Gene: Gophee_65 Start: 55578, Stop: 55222, Start Num: 22

Candidate Starts for Gophee_65:

(4, 55866), (Start: 8 @55719 has 6 MA's), (Start: 14 @55659 has 49 MA's), (Start: 22 @55578 has 199 MA's), (31, 55512), (33, 55491), (48, 55407), (57, 55281), (59, 55275), (67, 55230),

Gene: Grand2040_63 Start: 55581, Stop: 55225, Start Num: 22

Candidate Starts for Grand2040_63:

(4, 55869), (Start: 8 @55722 has 6 MA's), (Start: 14 @55662 has 49 MA's), (Start: 22 @55581 has 199 MA's), (31, 55515), (33, 55494), (48, 55410), (57, 55284), (59, 55278), (67, 55233),

Gene: GreenChile_65 Start: 55115, Stop: 54759, Start Num: 22

Candidate Starts for GreenChile_65:

(4, 55403), (Start: 8 @55256 has 6 MA's), (Start: 14 @55196 has 49 MA's), (Start: 22 @55115 has 199 MA's), (31, 55049), (33, 55028), (48, 54944), (57, 54818), (59, 54812), (67, 54767),

Gene: Gwennie1_62 Start: 55273, Stop: 54860, Start Num: 14

Candidate Starts for Gwennie1_62:

(4, 55480), (Start: 8 @55333 has 6 MA's), (Start: 14 @55273 has 49 MA's), (Start: 21 @55192 has 31 MA's), (31, 55126), (33, 55105), (48, 55021), (57, 54895), (59, 54889),

Gene: Gwilliam_65 Start: 55986, Stop: 55630, Start Num: 21

Candidate Starts for Gwilliam_65:

(4, 56274), (Start: 8 @56127 has 6 MA's), (Start: 14 @56067 has 49 MA's), (Start: 21 @55986 has 31 MA's), (31, 55920), (33, 55899), (42, 55854), (48, 55815), (57, 55689), (59, 55683), (67, 55638),

Gene: Gyarad_0063 Start: 54749, Stop: 54312, Start Num: 14

Candidate Starts for Gyarad_0063:

(4, 54956), (Start: 8 @54809 has 6 MA's), (Start: 14 @54749 has 49 MA's), (Start: 22 @54668 has 199 MA's), (31, 54602), (33, 54581), (42, 54536), (48, 54497), (57, 54371), (59, 54365), (67, 54320),

Gene: HSavage_62 Start: 55193, Stop: 54756, Start Num: 14

Candidate Starts for HSavage_62:

(4, 55400), (Start: 8 @55253 has 6 MA's), (Start: 14 @55193 has 49 MA's), (Start: 22 @55112 has 199 MA's), (31, 55046), (33, 55025), (48, 54941), (57, 54815), (59, 54809), (67, 54764),

Gene: Haimas_63 Start: 55029, Stop: 54673, Start Num: 22

Candidate Starts for Haimas_63:

(4, 55317), (Start: 8 @55170 has 6 MA's), (Start: 14 @55110 has 49 MA's), (Start: 22 @55029 has 199 MA's), (31, 54963), (33, 54942), (48, 54858), (57, 54732), (59, 54726), (67, 54681),

Gene: Haleema_63 Start: 55214, Stop: 54777, Start Num: 14

Candidate Starts for Haleema_63:

(4, 55421), (Start: 8 @55274 has 6 MA's), (Start: 14 @55214 has 49 MA's), (Start: 22 @55133 has 199 MA's), (31, 55067), (33, 55046), (48, 54962), (57, 54836), (59, 54830), (67, 54785),

Gene: Hamish_62 Start: 55023, Stop: 54667, Start Num: 22

Candidate Starts for Hamish_62:

(4, 55311), (Start: 8 @55164 has 6 MA's), (Start: 14 @55104 has 49 MA's), (Start: 22 @55023 has 199 MA's), (31, 54957), (33, 54936), (48, 54852), (57, 54726), (59, 54720), (67, 54675),

Gene: Happabalu_63 Start: 55975, Stop: 55643, Start Num: 21

Candidate Starts for Happabalu_63:

(4, 56263), (Start: 8 @56116 has 6 MA's), (Start: 14 @56056 has 49 MA's), (Start: 21 @55975 has 31 MA's), (31, 55909), (33, 55888), (43, 55825), (48, 55804), (57, 55678), (59, 55672),

Gene: Hartsy_63 Start: 55273, Stop: 54941, Start Num: 21

Candidate Starts for Hartsy_63:

(4, 55561), (Start: 8 @55414 has 6 MA's), (Start: 14 @55354 has 49 MA's), (Start: 21 @55273 has 31 MA's), (31, 55207), (33, 55186), (43, 55123), (48, 55102), (57, 54976), (59, 54970),

Gene: Harvey_62 Start: 55116, Stop: 54760, Start Num: 22

Candidate Starts for Harvey_62:

(4, 55404), (Start: 8 @55257 has 6 MA's), (Start: 14 @55197 has 49 MA's), (Start: 22 @55116 has 199 MA's), (31, 55050), (33, 55029), (48, 54945), (57, 54819), (59, 54813), (67, 54768),

Gene: Hashim76_67 Start: 56917, Stop: 56558, Start Num: 18

Candidate Starts for Hashim76_67:

(13, 56998), (15, 56968), (Start: 18 @56917 has 2 MA's), (32, 56830), (49, 56734), (56, 56635), (59, 56611), (61, 56602), (64, 56578),

Gene: Hekos_62 Start: 54659, Stop: 54303, Start Num: 22

Candidate Starts for Hekos_62:

(4, 54947), (Start: 8 @54800 has 6 MA's), (Start: 14 @54740 has 49 MA's), (Start: 22 @54659 has 199 MA's), (31, 54593), (33, 54572), (48, 54488), (57, 54362), (59, 54356), (67, 54311),

Gene: Held_63 Start: 55171, Stop: 54734, Start Num: 14

Candidate Starts for Held_63:

(4, 55378), (Start: 8 @55231 has 6 MA's), (Start: 14 @55171 has 49 MA's), (Start: 22 @55090 has 199 MA's), (31, 55024), (33, 55003), (48, 54919), (57, 54793), (59, 54787), (67, 54742),

Gene: HenryJackson_64 Start: 55616, Stop: 55260, Start Num: 22

Candidate Starts for HenryJackson_64:

(4, 55904), (Start: 8 @55757 has 6 MA's), (Start: 14 @55697 has 49 MA's), (Start: 22 @55616 has 199 MA's), (31, 55550), (33, 55529), (48, 55445), (57, 55319), (59, 55313), (67, 55268),

Gene: Hertubise_63 Start: 55463, Stop: 55026, Start Num: 14

Candidate Starts for Hertubise_63:

(4, 55670), (Start: 8 @55523 has 6 MA's), (Start: 14 @55463 has 49 MA's), (Start: 22 @55382 has 199 MA's), (31, 55316), (33, 55295), (48, 55211), (57, 55085), (59, 55079), (67, 55034),

Gene: Hetaeria_63 Start: 55321, Stop: 54965, Start Num: 22

Candidate Starts for Hetaeria_63:

(15, 55378), (Start: 22 @55321 has 199 MA's), (31, 55255), (33, 55234), (48, 55150), (57, 55024), (59, 55018), (67, 54973),

Gene: HighStump_66 Start: 55593, Stop: 55237, Start Num: 22

Candidate Starts for HighStump_66:

(4, 55881), (Start: 8 @55734 has 6 MA's), (Start: 14 @55674 has 49 MA's), (Start: 22 @55593 has 199 MA's), (31, 55527), (33, 55506), (48, 55422), (57, 55296), (59, 55290), (67, 55245),

Gene: Hocus_63 Start: 55077, Stop: 54721, Start Num: 22

Candidate Starts for Hocus_63:

(4, 55365), (Start: 8 @55218 has 6 MA's), (Start: 14 @55158 has 49 MA's), (Start: 22 @55077 has 199 MA's), (31, 55011), (33, 54990), (48, 54906), (57, 54780), (59, 54774), (67, 54729),

Gene: HogWash_64 Start: 55967, Stop: 55635, Start Num: 21

Candidate Starts for HogWash_64:

(4, 56255), (Start: 8 @56108 has 6 MA's), (Start: 14 @56048 has 49 MA's), (Start: 21 @55967 has 31 MA's), (31, 55901), (33, 55880), (43, 55817), (48, 55796), (57, 55670), (59, 55664),

Gene: Horchata_62 Start: 55112, Stop: 54756, Start Num: 22

Candidate Starts for Horchata_62:

(4, 55400), (Start: 8 @55253 has 6 MA's), (Start: 14 @55193 has 49 MA's), (Start: 22 @55112 has 199 MA's), (31, 55046), (33, 55025), (48, 54941), (57, 54815), (59, 54809), (67, 54764),

Gene: ImtiyazSitla_65 Start: 55320, Stop: 54964, Start Num: 21

Candidate Starts for ImtiyazSitla_65:

(4, 55608), (Start: 8 @55461 has 6 MA's), (Start: 14 @55401 has 49 MA's), (Start: 21 @55320 has 31 MA's), (31, 55254), (33, 55233), (42, 55188), (43, 55170), (48, 55149), (57, 55023), (59, 55017), (67, 54972),

Gene: Inchworm_66 Start: 55471, Stop: 55115, Start Num: 21

Candidate Starts for Inchworm_66:

(4, 55759), (Start: 8 @55612 has 6 MA's), (Start: 14 @55552 has 49 MA's), (Start: 21 @55471 has 31 MA's), (31, 55405), (33, 55384), (42, 55339), (43, 55321), (48, 55300), (57, 55174), (59, 55168), (67, 55123),

Gene: Inverness_63 Start: 55120, Stop: 54764, Start Num: 22

Candidate Starts for Inverness_63:

(4, 55408), (Start: 8 @55261 has 6 MA's), (Start: 14 @55201 has 49 MA's), (Start: 22 @55120 has 199 MA's), (31, 55054), (33, 55033), (43, 54970), (48, 54949), (57, 54823), (59, 54817), (67, 54772),

Gene: Iridessa_65 Start: 55038, Stop: 54682, Start Num: 22

Candidate Starts for Iridessa_65:

(15, 55095), (Start: 22 @55038 has 199 MA's), (31, 54972), (33, 54951), (42, 54906), (43, 54888), (48, 54867), (57, 54741), (59, 54735), (67, 54690),

Gene: Iridoclysis_64 Start: 55404, Stop: 55048, Start Num: 22

Candidate Starts for Iridoclysis_64:

(4, 55692), (Start: 8 @55545 has 6 MA's), (Start: 14 @55485 has 49 MA's), (Start: 22 @55404 has 199 MA's), (31, 55338), (33, 55317), (48, 55233), (57, 55107), (59, 55101), (67, 55056),

Gene: IsaacEli_65 Start: 55603, Stop: 55247, Start Num: 22

Candidate Starts for IsaacEli_65:

(15, 55660), (Start: 22 @55603 has 199 MA's), (31, 55537), (33, 55516), (48, 55432), (57, 55306), (59, 55300), (67, 55255),

Gene: JDog_63 Start: 55626, Stop: 55270, Start Num: 22

Candidate Starts for JDog_63:

(4, 55914), (Start: 8 @55767 has 6 MA's), (Start: 14 @55707 has 49 MA's), (Start: 22 @55626 has 199 MA's), (31, 55560), (33, 55539), (48, 55455), (57, 55329), (59, 55323), (67, 55278),

Gene: JacAttac_65 Start: 55147, Stop: 54710, Start Num: 14

Candidate Starts for JacAttac_65:

(4, 55354), (Start: 8 @55207 has 6 MA's), (Start: 14 @55147 has 49 MA's), (Start: 22 @55066 has 199 MA's), (31, 55000), (33, 54979), (48, 54895), (57, 54769), (59, 54763), (67, 54718),

Gene: JakeO_65 Start: 55349, Stop: 54993, Start Num: 22

Candidate Starts for JakeO_65:

(4, 55637), (Start: 8 @55490 has 6 MA's), (Start: 10 @55472 has 1 MA's), (Start: 14 @55430 has 49 MA's), (Start: 22 @55349 has 199 MA's), (31, 55283), (33, 55262), (48, 55178), (57, 55052), (59, 55046), (67, 55001),

Gene: JangoPhett_64 Start: 55407, Stop: 55051, Start Num: 22

Candidate Starts for JangoPhett_64:

(4, 55695), (Start: 8 @55548 has 6 MA's), (Start: 14 @55488 has 49 MA's), (Start: 22 @55407 has 199 MA's), (31, 55341), (33, 55320), (48, 55236), (57, 55110), (59, 55104), (67, 55059),

Gene: Jesabah_66 Start: 56205, Stop: 55849, Start Num: 22

Candidate Starts for Jesabah_66:

(4, 56493), (Start: 8 @56346 has 6 MA's), (Start: 14 @56286 has 49 MA's), (Start: 22 @56205 has 199 MA's), (31, 56139), (33, 56118), (48, 56034), (57, 55908), (59, 55902), (67, 55857),

Gene: Jillium_64 Start: 55611, Stop: 55255, Start Num: 22

Candidate Starts for Jillium_64:

(4, 55899), (Start: 8 @55752 has 6 MA's), (Start: 14 @55692 has 49 MA's), (Start: 22 @55611 has 199 MA's), (31, 55545), (33, 55524), (48, 55440), (57, 55314), (59, 55308), (67, 55263),

Gene: Jiminy_65 Start: 55185, Stop: 54829, Start Num: 22

Candidate Starts for Jiminy_65:

(4, 55473), (Start: 8 @55326 has 6 MA's), (Start: 10 @55308 has 1 MA's), (Start: 14 @55266 has 49 MA's), (Start: 22 @55185 has 199 MA's), (31, 55119), (33, 55098), (48, 55014), (57, 54888), (59, 54882), (67, 54837),

Gene: Jiraiya_65 Start: 55383, Stop: 55027, Start Num: 22

Candidate Starts for Jiraiya_65:

(4, 55671), (Start: 8 @55524 has 6 MA's), (Start: 14 @55464 has 49 MA's), (Start: 22 @55383 has 199 MA's), (31, 55317), (33, 55296), (48, 55212), (57, 55086), (59, 55080), (67, 55035),

Gene: KLucky39_62 Start: 54667, Stop: 54311, Start Num: 22

Candidate Starts for KLucky39_62:

(4, 54955), (Start: 8 @54808 has 6 MA's), (Start: 14 @54748 has 49 MA's), (Start: 22 @54667 has 199 MA's), (31, 54601), (33, 54580), (48, 54496), (57, 54370), (59, 54364), (67, 54319),

Gene: Kahve_64 Start: 55613, Stop: 55257, Start Num: 22

Candidate Starts for Kahve_64:

(4, 55901), (Start: 8 @55754 has 6 MA's), (Start: 14 @55694 has 49 MA's), (Start: 22 @55613 has 199 MA's), (31, 55547), (33, 55526), (48, 55442), (57, 55316), (59, 55310), (67, 55265),

Gene: Kailash_63 Start: 55592, Stop: 55179, Start Num: 14

Candidate Starts for Kailash_63:

(4, 55799), (Start: 8 @55652 has 6 MA's), (Start: 14 @55592 has 49 MA's), (Start: 21 @55511 has 31 MA's), (31, 55445), (33, 55424), (43, 55361), (48, 55340), (57, 55214), (59, 55208),

Gene: KarasumaRum_63 Start: 56576, Stop: 56241, Start Num: 22

Candidate Starts for KarasumaRum_63:

(Start: 22 @56576 has 199 MA's), (25, 56552), (26, 56549), (27, 56543), (28, 56534), (53, 56390), (62, 56300), (68, 56270), (70, 56252),

Gene: Karn_65 Start: 55345, Stop: 54989, Start Num: 22

Candidate Starts for Karn_65:

(4, 55633), (Start: 8 @55486 has 6 MA's), (Start: 10 @55468 has 1 MA's), (Start: 14 @55426 has 49 MA's), (Start: 22 @55345 has 199 MA's), (31, 55279), (33, 55258), (48, 55174), (57, 55048), (59, 55042), (67, 54997),

Gene: Katniss_65 Start: 55051, Stop: 54695, Start Num: 22

Candidate Starts for Katniss_65:

(4, 55339), (Start: 8 @55192 has 6 MA's), (Start: 14 @55132 has 49 MA's), (Start: 22 @55051 has 199 MA's), (31, 54985), (33, 54964), (48, 54880), (57, 54754), (59, 54748), (67, 54703),

Gene: Keitherie_66 Start: 55674, Stop: 55318, Start Num: 22

Candidate Starts for Keitherie_66:

(4, 55962), (Start: 8 @55815 has 6 MA's), (Start: 14 @55755 has 49 MA's), (Start: 22 @55674 has 199 MA's), (31, 55608), (33, 55587), (48, 55503), (57, 55377), (59, 55371), (67, 55326),

Gene: Khan1_65 Start: 55569, Stop: 55213, Start Num: 22

Candidate Starts for Khan1_65:

(4, 55857), (Start: 8 @55710 has 6 MA's), (Start: 10 @55692 has 1 MA's), (Start: 14 @55650 has 49 MA's), (Start: 22 @55569 has 199 MA's), (31, 55503), (33, 55482), (48, 55398), (57, 55272), (59, 55266), (67, 55221),

Gene: Kikipoo_65 Start: 55603, Stop: 55247, Start Num: 22

Candidate Starts for Kikipoo_65:

(15, 55660), (Start: 22 @55603 has 199 MA's), (31, 55537), (33, 55516), (48, 55432), (57, 55306), (59, 55300), (67, 55255),

Gene: Kimbrough_65 Start: 55654, Stop: 55298, Start Num: 22

Candidate Starts for Kimbrough_65:

(4, 55942), (Start: 8 @55795 has 6 MA's), (Start: 14 @55735 has 49 MA's), (Start: 22 @55654 has 199 MA's), (31, 55588), (33, 55567), (43, 55504), (48, 55483), (57, 55357), (59, 55351), (67, 55306),

Gene: KingTut_56 Start: 51818, Stop: 51462, Start Num: 22

Candidate Starts for KingTut_56:

(4, 52106), (Start: 8 @51959 has 6 MA's), (Start: 14 @51899 has 49 MA's), (Start: 22 @51818 has 199 MA's), (31, 51752), (33, 51731), (48, 51647), (57, 51521), (59, 51515), (67, 51470),

Gene: KingVeVeVe_63 Start: 54702, Stop: 54265, Start Num: 14

Candidate Starts for KingVeVeVe_63:

(4, 54909), (Start: 8 @54762 has 6 MA's), (Start: 14 @54702 has 49 MA's), (Start: 22 @54621 has 199 MA's), (31, 54555), (33, 54534), (43, 54471), (48, 54450), (57, 54324), (59, 54318), (67, 54273),

Gene: KlimbOn_64 Start: 55112, Stop: 54756, Start Num: 22

Candidate Starts for KlimbOn_64:

(4, 55400), (Start: 8 @55253 has 6 MA's), (Start: 14 @55193 has 49 MA's), (Start: 22 @55112 has 199 MA's), (31, 55046), (33, 55025), (48, 54941), (57, 54815), (59, 54809), (67, 54764),

Gene: Kloppinator_65 Start: 55263, Stop: 54907, Start Num: 22

Candidate Starts for Kloppinator_65:

(4, 55551), (Start: 8 @55404 has 6 MA's), (Start: 14 @55344 has 49 MA's), (Start: 22 @55263 has 199 MA's), (31, 55197), (33, 55176), (48, 55092), (57, 54966), (59, 54960), (67, 54915),

Gene: Knocker_63 Start: 57737, Stop: 57396, Start Num: 18

Candidate Starts for Knocker_63:

(Start: 18 @57737 has 2 MA's), (40, 57617), (46, 57575), (49, 57566), (56, 57467), (59, 57443), (64, 57410), (65, 57407),

Gene: Kwadwo_63 Start: 55064, Stop: 54708, Start Num: 22

Candidate Starts for Kwadwo_63:

(4, 55352), (Start: 8 @55205 has 6 MA's), (Start: 14 @55145 has 49 MA's), (Start: 22 @55064 has 199 MA's), (31, 54998), (33, 54977), (48, 54893), (57, 54767), (59, 54761), (67, 54716),

Gene: Kwksand96_65 Start: 55341, Stop: 54844, Start Num: 8

Candidate Starts for Kwksand96_65:

(4, 55488), (Start: 8 @55341 has 6 MA's), (Start: 14 @55281 has 49 MA's), (Start: 22 @55200 has 199 MA's), (31, 55134), (33, 55113), (48, 55029), (57, 54903), (59, 54897), (67, 54852),

Gene: Labeouficaum_65 Start: 55188, Stop: 54832, Start Num: 21

Candidate Starts for Labeouficaum_65:

(4, 55476), (Start: 8 @55329 has 6 MA's), (Start: 14 @55269 has 49 MA's), (Start: 21 @55188 has 31 MA's), (31, 55122), (33, 55101), (42, 55056), (48, 55017), (57, 54891), (59, 54885), (67, 54840),

Gene: Larson_68 Start: 55404, Stop: 55048, Start Num: 22

Candidate Starts for Larson_68:

(4, 55692), (Start: 8 @55545 has 6 MA's), (Start: 14 @55485 has 49 MA's), (Start: 22 @55404 has 199 MA's), (31, 55338), (33, 55317), (48, 55233), (57, 55107), (59, 55101), (67, 55056),

Gene: LasagnaCat_66 Start: 55483, Stop: 55127, Start Num: 21

Candidate Starts for LasagnaCat_66:

(4, 55771), (Start: 8 @55624 has 6 MA's), (Start: 14 @55564 has 49 MA's), (Start: 21 @55483 has 31 MA's), (31, 55417), (33, 55396), (42, 55351), (43, 55333), (48, 55312), (57, 55186), (59, 55180), (67, 55135),

Gene: Lasso_64 Start: 55339, Stop: 54983, Start Num: 22

Candidate Starts for Lasso_64:

(4, 55627), (Start: 8 @55480 has 6 MA's), (Start: 14 @55420 has 49 MA's), (Start: 22 @55339 has 199 MA's), (31, 55273), (33, 55252), (48, 55168), (57, 55042), (59, 55036), (67, 54991),

Gene: LeeLot_64 Start: 55775, Stop: 55338, Start Num: 14

Candidate Starts for LeeLot_64:

(4, 55982), (Start: 8 @55835 has 6 MA's), (Start: 14 @55775 has 49 MA's), (Start: 22 @55694 has 199 MA's), (31, 55628), (33, 55607), (48, 55523), (57, 55397), (59, 55391), (67, 55346),

Gene: Lego3393_62 Start: 55726, Stop: 55289, Start Num: 14

Candidate Starts for Lego3393_62:

(4, 55933), (Start: 8 @55786 has 6 MA's), (Start: 14 @55726 has 49 MA's), (Start: 22 @55645 has 199 MA's), (31, 55579), (33, 55558), (43, 55495), (48, 55474), (57, 55348), (59, 55342), (67, 55297),

Gene: Legolas_66 Start: 55433, Stop: 55077, Start Num: 22

Candidate Starts for Legolas_66:

(4, 55721), (Start: 8 @55574 has 6 MA's), (Start: 14 @55514 has 49 MA's), (Start: 22 @55433 has 199 MA's), (31, 55367), (33, 55346), (48, 55262), (57, 55136), (59, 55130), (67, 55085),

Gene: Lehmann_65 Start: 55206, Stop: 54850, Start Num: 22

Candidate Starts for Lehmann_65:

(4, 55494), (Start: 8 @55347 has 6 MA's), (Start: 14 @55287 has 49 MA's), (Start: 22 @55206 has 199 MA's), (31, 55140), (33, 55119), (48, 55035), (57, 54909), (59, 54903), (67, 54858),

Gene: LeiMonet_67 Start: 55638, Stop: 55201, Start Num: 14

Candidate Starts for LeiMonet_67:

(4, 55845), (Start: 8 @55698 has 6 MA's), (Start: 14 @55638 has 49 MA's), (Start: 22 @55557 has 199 MA's), (31, 55491), (33, 55470), (48, 55386), (57, 55260), (59, 55254), (67, 55209),

Gene: LemonSlice_65 Start: 55024, Stop: 54668, Start Num: 22

Candidate Starts for LemonSlice_65:

(4, 55312), (Start: 8 @55165 has 6 MA's), (Start: 14 @55105 has 49 MA's), (Start: 22 @55024 has 199 MA's), (31, 54958), (33, 54937), (48, 54853), (57, 54727), (59, 54721), (67, 54676),

Gene: Longacauda_65 Start: 55460, Stop: 55104, Start Num: 22

Candidate Starts for Longacauda_65:

(4, 55748), (Start: 8 @55601 has 6 MA's), (Start: 14 @55541 has 49 MA's), (Start: 22 @55460 has 199 MA's), (31, 55394), (33, 55373), (48, 55289), (57, 55163), (59, 55157), (67, 55112),

Gene: Lopsy_62 Start: 54752, Stop: 54396, Start Num: 22

Candidate Starts for Lopsy_62:

(4, 55040), (Start: 8 @54893 has 6 MA's), (Start: 14 @54833 has 49 MA's), (Start: 22 @54752 has 199 MA's), (31, 54686), (33, 54665), (48, 54581), (57, 54455), (59, 54449), (67, 54404),

Gene: LostAndPhound_64 Start: 55638, Stop: 55282, Start Num: 22

Candidate Starts for LostAndPhound_64:

(4, 55926), (Start: 8 @55779 has 6 MA's), (Start: 14 @55719 has 49 MA's), (Start: 22 @55638 has 199 MA's), (31, 55572), (33, 55551), (48, 55467), (57, 55341), (59, 55335), (67, 55290),

Gene: LuckyMarjie_62 Start: 54814, Stop: 54458, Start Num: 22

Candidate Starts for LuckyMarjie_62:

(4, 55102), (Start: 8 @54955 has 6 MA's), (Start: 14 @54895 has 49 MA's), (Start: 22 @54814 has 199 MA's), (31, 54748), (33, 54727), (48, 54643), (57, 54517), (59, 54511), (67, 54466),

Gene: Lulumae_61 Start: 54880, Stop: 54443, Start Num: 14

Candidate Starts for Lulumae_61:

(4, 55087), (Start: 8 @54940 has 6 MA's), (Start: 14 @54880 has 49 MA's), (Start: 22 @54799 has 199 MA's), (31, 54733), (33, 54712), (48, 54628), (57, 54502), (59, 54496), (67, 54451),

Gene: Lulwa_62 Start: 54396, Stop: 54040, Start Num: 22

Candidate Starts for Lulwa_62:

(4, 54684), (Start: 8 @54537 has 6 MA's), (Start: 14 @54477 has 49 MA's), (Start: 22 @54396 has 199 MA's), (31, 54330), (33, 54309), (48, 54225), (57, 54099), (59, 54093), (67, 54048),

Gene: Lumine_65 Start: 55283, Stop: 54927, Start Num: 22

Candidate Starts for Lumine_65:

(4, 55571), (Start: 8 @55424 has 6 MA's), (Start: 14 @55364 has 49 MA's), (Start: 22 @55283 has 199 MA's), (31, 55217), (33, 55196), (48, 55112), (57, 54986), (59, 54980), (67, 54935),

Gene: MRabcd_64 Start: 55407, Stop: 55051, Start Num: 22

Candidate Starts for MRabcd_64:

(4, 55695), (Start: 8 @55548 has 6 MA's), (Start: 14 @55488 has 49 MA's), (Start: 22 @55407 has 199 MA's), (31, 55341), (33, 55320), (48, 55236), (57, 55110), (59, 55104), (67, 55059),

Gene: Mag7_63 Start: 55055, Stop: 54723, Start Num: 21

Candidate Starts for Mag7_63:

(4, 55343), (Start: 8 @55196 has 6 MA's), (Start: 14 @55136 has 49 MA's), (Start: 21 @55055 has 31 MA's), (31, 54989), (33, 54968), (43, 54905), (48, 54884), (57, 54758), (59, 54752),

Gene: Magic8_65 Start: 55402, Stop: 55046, Start Num: 21

Candidate Starts for Magic8_65:

(4, 55690), (Start: 8 @55543 has 6 MA's), (Start: 14 @55483 has 49 MA's), (Start: 21 @55402 has 31 MA's), (31, 55336), (33, 55315), (42, 55270), (43, 55252), (48, 55231), (57, 55105), (59, 55099), (67, 55054),

Gene: Mana_63 Start: 55079, Stop: 54723, Start Num: 22

Candidate Starts for Mana_63:

(4, 55367), (Start: 8 @55220 has 6 MA's), (Start: 14 @55160 has 49 MA's), (Start: 22 @55079 has 199 MA's), (31, 55013), (33, 54992), (48, 54908), (57, 54782), (59, 54776), (67, 54731),

Gene: Manad_63 Start: 55363, Stop: 55007, Start Num: 22

Candidate Starts for Manad_63:

(15, 55420), (Start: 22 @55363 has 199 MA's), (31, 55297), (33, 55276), (43, 55213), (48, 55192), (57, 55066), (59, 55060), (67, 55015),

Gene: Maru_64 Start: 55519, Stop: 55163, Start Num: 22

Candidate Starts for Maru_64:

(4, 55807), (Start: 8 @55660 has 6 MA's), (Start: 14 @55600 has 49 MA's), (Start: 22 @55519 has 199 MA's), (31, 55453), (33, 55432), (48, 55348), (57, 55222), (59, 55216), (67, 55171),

Gene: Maskar_65 Start: 55320, Stop: 54964, Start Num: 21

Candidate Starts for Maskar_65:

(4, 55608), (Start: 8 @55461 has 6 MA's), (Start: 14 @55401 has 49 MA's), (Start: 21 @55320 has 31 MA's), (31, 55254), (33, 55233), (42, 55188), (43, 55170), (48, 55149), (57, 55023), (59, 55017), (67, 54972),

Gene: Matalotodo_63 Start: 55631, Stop: 55275, Start Num: 22

Candidate Starts for Matalotodo_63:

(4, 55919), (Start: 8 @55772 has 6 MA's), (Start: 14 @55712 has 49 MA's), (Start: 22 @55631 has 199 MA's), (31, 55565), (33, 55544), (48, 55460), (57, 55334), (59, 55328), (67, 55283),

Gene: Mcshane_63 Start: 55077, Stop: 54721, Start Num: 22

Candidate Starts for Mcshane_63:

(4, 55365), (Start: 8 @55218 has 6 MA's), (Start: 14 @55158 has 49 MA's), (Start: 22 @55077 has 199 MA's), (31, 55011), (33, 54990), (48, 54906), (57, 54780), (59, 54774), (67, 54729),

Gene: Mecca_64 Start: 55642, Stop: 55286, Start Num: 22

Candidate Starts for Mecca_64:

(4, 55930), (Start: 8 @55783 has 6 MA's), (Start: 14 @55723 has 49 MA's), (Start: 22 @55642 has 199 MA's), (31, 55576), (33, 55555), (48, 55471), (57, 55345), (59, 55339), (67, 55294),

Gene: Megamind20_65 Start: 55065, Stop: 54709, Start Num: 22

Candidate Starts for Megamind20_65:

(4, 55353), (Start: 8 @55206 has 6 MA's), (Start: 14 @55146 has 49 MA's), (Start: 22 @55065 has 199 MA's), (31, 54999), (33, 54978), (48, 54894), (57, 54768), (59, 54762), (67, 54717),

Gene: Megatron_64 Start: 55673, Stop: 55236, Start Num: 14

Candidate Starts for Megatron_64:

(4, 55880), (Start: 8 @55733 has 6 MA's), (Start: 14 @55673 has 49 MA's), (Start: 22 @55592 has 199 MA's), (31, 55526), (33, 55505), (48, 55421), (57, 55295), (59, 55289), (67, 55244),

Gene: Melc17_62 Start: 55720, Stop: 55388, Start Num: 21

Candidate Starts for Melc17_62:

(4, 56008), (Start: 8 @55861 has 6 MA's), (Start: 14 @55801 has 49 MA's), (Start: 21 @55720 has 31 MA's), (31, 55654), (33, 55633), (34, 55621), (43, 55570), (48, 55549), (57, 55423), (59, 55417),

Gene: MelsMeow_64 Start: 55373, Stop: 55017, Start Num: 22

Candidate Starts for MelsMeow_64:

(4, 55661), (Start: 8 @55514 has 6 MA's), (12, 55493), (Start: 14 @55454 has 49 MA's), (Start: 22 @55373 has 199 MA's), (31, 55307), (33, 55286), (48, 55202), (57, 55076), (59, 55070), (67, 55025),

Gene: Mesh1_65 Start: 55655, Stop: 55299, Start Num: 22

Candidate Starts for Mesh1_65:

(4, 55943), (Start: 8 @55796 has 6 MA's), (Start: 14 @55736 has 49 MA's), (Start: 22 @55655 has 199 MA's), (31, 55589), (33, 55568), (48, 55484), (57, 55358), (59, 55352), (67, 55307),

Gene: Mesmerelda_63 Start: 55635, Stop: 55279, Start Num: 22

Candidate Starts for Mesmerelda_63:

(4, 55923), (Start: 8 @55776 has 6 MA's), (Start: 14 @55716 has 49 MA's), (Start: 22 @55635 has 199 MA's), (31, 55569), (33, 55548), (48, 55464), (57, 55338), (59, 55332), (67, 55287),

Gene: MichaelPhcott_63 Start: 55052, Stop: 54720, Start Num: 21

Candidate Starts for MichaelPhcott_63:

(4, 55340), (Start: 8 @55193 has 6 MA's), (Start: 14 @55133 has 49 MA's), (Start: 21 @55052 has 31 MA's), (31, 54986), (33, 54965), (43, 54902), (48, 54881), (57, 54755), (59, 54749),

Gene: Mikota_62 Start: 54618, Stop: 54262, Start Num: 22

Candidate Starts for Mikota_62:

(4, 54906), (Start: 8 @54759 has 6 MA's), (Start: 14 @54699 has 49 MA's), (Start: 22 @54618 has 199 MA's), (31, 54552), (33, 54531), (48, 54447), (57, 54321), (59, 54315), (67, 54270),

Gene: MiniBoss_62 Start: 54424, Stop: 54068, Start Num: 22

Candidate Starts for MiniBoss_62:

(4, 54712), (Start: 8 @54565 has 6 MA's), (Start: 14 @54505 has 49 MA's), (Start: 22 @54424 has 199 MA's), (31, 54358), (33, 54337), (48, 54253), (57, 54127), (59, 54121), (67, 54076),

Gene: MitKao_64 Start: 55170, Stop: 54733, Start Num: 14

Candidate Starts for MitKao_64:

(4, 55377), (Start: 8 @55230 has 6 MA's), (Start: 14 @55170 has 49 MA's), (Start: 22 @55089 has 199 MA's), (31, 55023), (33, 55002), (48, 54918), (57, 54792), (59, 54786), (67, 54741),

Gene: Morgushi_63 Start: 55078, Stop: 54722, Start Num: 22

Candidate Starts for Morgushi_63:

(4, 55366), (Start: 8 @55219 has 6 MA's), (Start: 14 @55159 has 49 MA's), (Start: 22 @55078 has 199 MA's), (31, 55012), (33, 54991), (48, 54907), (57, 54781), (59, 54775), (67, 54730),

Gene: Morty_65 Start: 55687, Stop: 55250, Start Num: 14

Candidate Starts for Morty_65:

(4, 55894), (Start: 8 @55747 has 6 MA's), (Start: 14 @55687 has 49 MA's), (Start: 22 @55606 has 199 MA's), (31, 55540), (33, 55519), (48, 55435), (57, 55309), (59, 55303), (67, 55258),

Gene: Mosaic_62 Start: 55164, Stop: 54727, Start Num: 14

Candidate Starts for Mosaic_62:

(4, 55371), (Start: 8 @55224 has 6 MA's), (Start: 14 @55164 has 49 MA's), (Start: 22 @55083 has 199 MA's), (31, 55017), (33, 54996), (48, 54912), (57, 54786), (59, 54780), (67, 54735),

Gene: MrPhizzler_67 Start: 55627, Stop: 55190, Start Num: 14

Candidate Starts for MrPhizzler_67:

(4, 55834), (Start: 8 @55687 has 6 MA's), (Start: 10 @55669 has 1 MA's), (Start: 14 @55627 has 49 MA's), (Start: 22 @55546 has 199 MA's), (31, 55480), (33, 55459), (48, 55375), (57, 55249), (59, 55243), (67, 55198),

Gene: Mulan_64 Start: 55317, Stop: 54961, Start Num: 22

Candidate Starts for Mulan_64:

(4, 55605), (Start: 8 @55458 has 6 MA's), (Start: 14 @55398 has 49 MA's), (Start: 22 @55317 has 199 MA's), (31, 55251), (33, 55230), (48, 55146), (57, 55020), (59, 55014), (67, 54969),

Gene: Murdoc_62 Start: 55079, Stop: 54723, Start Num: 22

Candidate Starts for Murdoc_62:

(4, 55367), (Start: 8 @55220 has 6 MA's), (Start: 14 @55160 has 49 MA's), (Start: 22 @55079 has 199 MA's), (31, 55013), (33, 54992), (48, 54908), (57, 54782), (59, 54776), (67, 54731),

Gene: Mutante_64 Start: 55089, Stop: 54733, Start Num: 22

Candidate Starts for Mutante_64:

(4, 55377), (Start: 8 @55230 has 6 MA's), (Start: 14 @55170 has 49 MA's), (Start: 22 @55089 has 199 MA's), (31, 55023), (33, 55002), (48, 54918), (57, 54792), (59, 54786), (67, 54741),

Gene: Mysterious_61 Start: 56569, Stop: 56225, Start Num: 20

Candidate Starts for Mysterious_61:

(Start: 20 @56569 has 12 MA's), (25, 56542), (31, 56500), (45, 56422), (53, 56374), (62, 56284), (70, 56236),

Gene: Nacho_0066 Start: 55978, Stop: 55481, Start Num: 8

Candidate Starts for Nacho_0066:

(4, 56125), (Start: 8 @55978 has 6 MA's), (Start: 14 @55918 has 49 MA's), (Start: 22 @55837 has 199 MA's), (31, 55771), (33, 55750), (42, 55705), (48, 55666), (57, 55540), (59, 55534), (67, 55489),

Gene: Nangang_63 Start: 56756, Stop: 56421, Start Num: 22

Candidate Starts for Nangang_63:

(Start: 22 @56756 has 199 MA's), (25, 56732), (26, 56729), (27, 56723), (28, 56714), (53, 56570), (62, 56480), (68, 56450), (70, 56432),

Gene: Nathan_65 Start: 55170, Stop: 54814, Start Num: 22

Candidate Starts for Nathan_65:

(4, 55458), (Start: 8 @55311 has 6 MA's), (Start: 14 @55251 has 49 MA's), (Start: 22 @55170 has 199 MA's), (31, 55104), (33, 55083), (48, 54999), (57, 54873), (59, 54867), (67, 54822),

Gene: Nehemiah_62 Start: 56572, Stop: 56228, Start Num: 20

Candidate Starts for Nehemiah_62:

(Start: 20 @56572 has 12 MA's), (25, 56545), (31, 56503), (45, 56425), (53, 56377), (62, 56287), (70, 56239),

Gene: Newman_62 Start: 55115, Stop: 54759, Start Num: 22

Candidate Starts for Newman_62:

(4, 55403), (Start: 8 @55256 has 6 MA's), (Start: 14 @55196 has 49 MA's), (Start: 22 @55115 has 199 MA's), (31, 55049), (33, 55028), (48, 54944), (57, 54818), (59, 54812), (67, 54767),

Gene: NiaNia_66 Start: 55112, Stop: 54756, Start Num: 22

Candidate Starts for NiaNia_66:

(4, 55400), (Start: 8 @55253 has 6 MA's), (Start: 14 @55193 has 49 MA's), (Start: 22 @55112 has 199 MA's), (31, 55046), (33, 55025), (48, 54941), (57, 54815), (59, 54809), (67, 54764),

Gene: Nicole21_65 Start: 55368, Stop: 55012, Start Num: 22

Candidate Starts for Nicole21_65:

(4, 55656), (Start: 8 @55509 has 6 MA's), (Start: 14 @55449 has 49 MA's), (Start: 22 @55368 has 199 MA's), (31, 55302), (33, 55281), (48, 55197), (57, 55071), (59, 55065), (67, 55020),

Gene: Nigel_58 Start: 55443, Stop: 55117, Start Num: 20

Candidate Starts for Nigel_58:

(Start: 20 @55443 has 12 MA's), (25, 55416), (31, 55374), (41, 55317), (50, 55272), (55, 55182), (60, 55158),

Gene: Nova1_65 Start: 55240, Stop: 54908, Start Num: 22

Candidate Starts for Nova1_65:

(4, 55528), (Start: 8 @55381 has 6 MA's), (Start: 14 @55321 has 49 MA's), (Start: 22 @55240 has 199 MA's), (31, 55174), (33, 55153), (48, 55069), (57, 54943), (59, 54937),

Gene: Numberten_63 Start: 55312, Stop: 54956, Start Num: 22

Candidate Starts for Numberten_63:

(4, 55600), (Start: 8 @55453 has 6 MA's), (Start: 14 @55393 has 49 MA's), (Start: 22 @55312 has 199 MA's), (31, 55246), (33, 55225), (48, 55141), (57, 55015), (59, 55009), (67, 54964),

Gene: Nyala_63 Start: 55087, Stop: 54731, Start Num: 22

Candidate Starts for Nyala_63:

(4, 55375), (Start: 8 @55228 has 6 MA's), (Start: 14 @55168 has 49 MA's), (Start: 22 @55087 has 199 MA's), (31, 55021), (33, 55000), (48, 54916), (57, 54790), (59, 54784), (67, 54739),

Gene: OSmaximus_65 Start: 55833, Stop: 55477, Start Num: 22

Candidate Starts for OSmaximus_65:

(4, 56121), (Start: 8 @55974 has 6 MA's), (Start: 14 @55914 has 49 MA's), (Start: 22 @55833 has 199 MA's), (31, 55767), (33, 55746), (48, 55662), (57, 55536), (59, 55530), (67, 55485),

Gene: Olak_63 Start: 55090, Stop: 54734, Start Num: 22

Candidate Starts for Olak_63:

(4, 55378), (Start: 8 @55231 has 6 MA's), (Start: 14 @55171 has 49 MA's), (Start: 22 @55090 has 199 MA's), (31, 55024), (33, 55003), (48, 54919), (57, 54793), (59, 54787), (67, 54742),

Gene: Oline_64 Start: 55192, Stop: 54836, Start Num: 22

Candidate Starts for Oline_64:

(4, 55480), (Start: 8 @55333 has 6 MA's), (Start: 10 @55315 has 1 MA's), (Start: 14 @55273 has 49 MA's), (Start: 22 @55192 has 199 MA's), (31, 55126), (33, 55105), (48, 55021), (57, 54895), (59, 54889), (67, 54844),

Gene: Olive_64 Start: 55303, Stop: 54947, Start Num: 22

Candidate Starts for Olive_64:

(4, 55591), (Start: 8 @55444 has 6 MA's), (Start: 14 @55384 has 49 MA's), (Start: 22 @55303 has 199 MA's), (31, 55237), (33, 55216), (48, 55132), (57, 55006), (59, 55000), (67, 54955),

Gene: OliverWalter_62 Start: 55122, Stop: 54766, Start Num: 22

Candidate Starts for OliverWalter_62:

(4, 55410), (Start: 8 @55263 has 6 MA's), (Start: 14 @55203 has 49 MA's), (Start: 22 @55122 has 199 MA's), (31, 55056), (33, 55035), (48, 54951), (57, 54825), (59, 54819), (67, 54774),

Gene: Omniscient_65 Start: 55950, Stop: 55594, Start Num: 22

Candidate Starts for Omniscient_65:

(4, 56238), (Start: 8 @56091 has 6 MA's), (Start: 14 @56031 has 49 MA's), (Start: 22 @55950 has 199 MA's), (31, 55884), (33, 55863), (48, 55779), (57, 55653), (59, 55647), (67, 55602),

Gene: OneBrain_67 Start: 55354, Stop: 54998, Start Num: 22

Candidate Starts for OneBrain_67:

(4, 55642), (Start: 8 @55495 has 6 MA's), (Start: 10 @55477 has 1 MA's), (Start: 14 @55435 has 49 MA's), (Start: 22 @55354 has 199 MA's), (31, 55288), (33, 55267), (48, 55183), (57, 55057), (59, 55051), (67, 55006),

Gene: Oosterbaan_63 Start: 55369, Stop: 55013, Start Num: 22

Candidate Starts for Oosterbaan_63:

(4, 55657), (Start: 8 @55510 has 6 MA's), (Start: 14 @55450 has 49 MA's), (Start: 22 @55369 has 199 MA's), (31, 55303), (33, 55282), (48, 55198), (57, 55072), (59, 55066), (67, 55021),

Gene: Orfeu_63 Start: 55626, Stop: 55270, Start Num: 22

Candidate Starts for Orfeu_63:

(4, 55914), (Start: 8 @55767 has 6 MA's), (Start: 14 @55707 has 49 MA's), (Start: 22 @55626 has 199 MA's), (31, 55560), (33, 55539), (48, 55455), (57, 55329), (59, 55323), (67, 55278),

Gene: Orion_65 Start: 55031, Stop: 54675, Start Num: 22

Candidate Starts for Orion_65:

(4, 55319), (Start: 8 @55172 has 6 MA's), (Start: 14 @55112 has 49 MA's), (Start: 22 @55031 has 199 MA's), (31, 54965), (33, 54944), (48, 54860), (57, 54734), (59, 54728), (67, 54683),

Gene: Orwigg_63 Start: 55011, Stop: 54655, Start Num: 22

Candidate Starts for Orwigg_63:

(4, 55299), (Start: 8 @55152 has 6 MA's), (Start: 14 @55092 has 49 MA's), (Start: 22 @55011 has 199 MA's), (31, 54945), (33, 54924), (48, 54840), (57, 54714), (59, 54708), (67, 54663),

Gene: PG1_64 Start: 55602, Stop: 55246, Start Num: 22

Candidate Starts for PG1_64:

(4, 55890), (Start: 8 @55743 has 6 MA's), (Start: 14 @55683 has 49 MA's), (Start: 22 @55602 has 199 MA's), (31, 55536), (33, 55515), (48, 55431), (57, 55305), (59, 55299), (67, 55254),

Gene: Pacifista_63 Start: 55086, Stop: 54730, Start Num: 22

Candidate Starts for Pacifista_63:

(4, 55374), (Start: 8 @55227 has 6 MA's), (Start: 14 @55167 has 49 MA's), (Start: 22 @55086 has 199 MA's), (31, 55020), (33, 54999), (48, 54915), (57, 54789), (59, 54783), (67, 54738),

Gene: PallasAthena_66 Start: 55095, Stop: 54739, Start Num: 22

Candidate Starts for PallasAthena_66:

(4, 55383), (Start: 8 @55236 has 6 MA's), (Start: 14 @55176 has 49 MA's), (Start: 22 @55095 has 199 MA's), (31, 55029), (33, 55008), (48, 54924), (57, 54798), (59, 54792), (67, 54747),

Gene: Phamished_66 Start: 55380, Stop: 54943, Start Num: 14

Candidate Starts for Phamished_66:

(4, 55587), (Start: 8 @55440 has 6 MA's), (Start: 14 @55380 has 49 MA's), (Start: 22 @55299 has 199 MA's), (31, 55233), (33, 55212), (47, 55131), (48, 55128), (57, 55002), (59, 54996), (67, 54951),

Gene: Phareon_63 Start: 54808, Stop: 54452, Start Num: 22

Candidate Starts for Phareon_63:

(4, 55096), (Start: 8 @54949 has 6 MA's), (Start: 14 @54889 has 49 MA's), (Start: 22 @54808 has 199 MA's), (31, 54742), (33, 54721), (48, 54637), (57, 54511), (59, 54505), (67, 54460),

Gene: PhatCats2014_64 Start: 55607, Stop: 55251, Start Num: 22

Candidate Starts for PhatCats2014_64:

(4, 55895), (Start: 8 @55748 has 6 MA's), (Start: 14 @55688 has 49 MA's), (Start: 22 @55607 has 199 MA's), (31, 55541), (33, 55520), (48, 55436), (57, 55310), (59, 55304), (67, 55259),

Gene: PhatLouie_66 Start: 55625, Stop: 55269, Start Num: 22

Candidate Starts for PhatLouie_66:

(4, 55913), (Start: 8 @55766 has 6 MA's), (Start: 14 @55706 has 49 MA's), (Start: 22 @55625 has 199 MA's), (31, 55559), (33, 55538), (48, 55454), (57, 55328), (59, 55322), (67, 55277),

Gene: Phelemich_61 Start: 56567, Stop: 56223, Start Num: 20

Candidate Starts for Phelemich_61:

(Start: 20 @56567 has 12 MA's), (25, 56540), (30, 56510), (31, 56498), (44, 56423), (45, 56420), (53, 56372), (62, 56282), (70, 56234),

Gene: PhenghisKhan_65 Start: 55257, Stop: 54901, Start Num: 21

Candidate Starts for PhenghisKhan_65:

(4, 55545), (Start: 8 @55398 has 6 MA's), (Start: 14 @55338 has 49 MA's), (Start: 21 @55257 has 31 MA's), (31, 55191), (33, 55170), (42, 55125), (43, 55107), (48, 55086), (57, 54960), (59, 54954), (67, 54909),

Gene: Pherdinand_65 Start: 55370, Stop: 55014, Start Num: 22

Candidate Starts for Pherdinand_65:

(4, 55658), (Start: 8 @55511 has 6 MA's), (Start: 14 @55451 has 49 MA's), (Start: 22 @55370 has 199 MA's), (31, 55304), (48, 55199), (57, 55073), (59, 55067), (67, 55022),

Gene: Phergie_65 Start: 55249, Stop: 54893, Start Num: 21

Candidate Starts for Phergie_65:

(4, 55537), (Start: 8 @55390 has 6 MA's), (Start: 14 @55330 has 49 MA's), (Start: 21 @55249 has 31 MA's), (31, 55183), (33, 55162), (42, 55117), (43, 55099), (48, 55078), (57, 54952), (59, 54946), (67, 54901),

Gene: Phipps_64 Start: 54879, Stop: 54523, Start Num: 22

Candidate Starts for Phipps_64:

(4, 55167), (Start: 8 @55020 has 6 MA's), (Start: 14 @54960 has 49 MA's), (Start: 22 @54879 has 199 MA's), (31, 54813), (33, 54792), (48, 54708), (57, 54582), (59, 54576), (67, 54531),

Gene: Phleuron_63 Start: 55055, Stop: 54723, Start Num: 21

Candidate Starts for Phleuron_63:

(4, 55343), (Start: 8 @55196 has 6 MA's), (Start: 14 @55136 has 49 MA's), (Start: 21 @55055 has 31 MA's), (31, 54989), (33, 54968), (43, 54905), (48, 54884), (57, 54758), (59, 54752),

Gene: PhrankReynolds_64 Start: 55254, Stop: 54898, Start Num: 21

Candidate Starts for PhrankReynolds_64:

(4, 55542), (Start: 8 @55395 has 6 MA's), (Start: 14 @55335 has 49 MA's), (Start: 21 @55254 has 31 MA's), (31, 55188), (33, 55167), (42, 55122), (43, 55104), (48, 55083), (57, 54957), (59, 54951), (67, 54906),

Gene: PhrodoBaggins_65 Start: 55555, Stop: 55118, Start Num: 14

Candidate Starts for PhrodoBaggins_65:

(4, 55762), (Start: 8 @55615 has 6 MA's), (Start: 14 @55555 has 49 MA's), (Start: 21 @55474 has 31 MA's), (31, 55408), (33, 55387), (42, 55342), (43, 55324), (48, 55303), (57, 55177), (59, 55171), (67, 55126),

Gene: Phunky_62 Start: 55106, Stop: 54750, Start Num: 22

Candidate Starts for Phunky_62:

(4, 55394), (Start: 8 @55247 has 6 MA's), (Start: 14 @55187 has 49 MA's), (Start: 22 @55106 has 199 MA's), (31, 55040), (33, 55019), (48, 54935), (57, 54809), (59, 54803), (67, 54758),

Gene: Piglet_0064 Start: 55720, Stop: 55223, Start Num: 8

Candidate Starts for Piglet_0064:

(4, 55867), (Start: 8 @55720 has 6 MA's), (Start: 14 @55660 has 49 MA's), (Start: 22 @55579 has 199 MA's), (31, 55513), (33, 55492), (48, 55408), (57, 55282), (59, 55276), (67, 55231),

Gene: PinheadLarry_63 Start: 55497, Stop: 55084, Start Num: 14

Candidate Starts for PinheadLarry_63:

(4, 55704), (Start: 8 @55557 has 6 MA's), (Start: 14 @55497 has 49 MA's), (Start: 21 @55416 has 31 MA's), (31, 55350), (33, 55329), (42, 55284), (48, 55245), (57, 55119), (59, 55113),

Gene: Pinkman_64 Start: 55192, Stop: 54836, Start Num: 22

Candidate Starts for Pinkman_64:

(4, 55480), (Start: 8 @55333 has 6 MA's), (Start: 14 @55273 has 49 MA's), (Start: 22 @55192 has 199 MA's), (31, 55126), (33, 55105), (48, 55021), (57, 54895), (59, 54889), (67, 54844),

Gene: Pipsqueak_62 Start: 55116, Stop: 54679, Start Num: 14

Candidate Starts for Pipsqueak_62:

(4, 55323), (Start: 8 @55176 has 6 MA's), (Start: 14 @55116 has 49 MA's), (Start: 22 @55035 has 199 MA's), (31, 54969), (33, 54948), (48, 54864), (57, 54738), (59, 54732), (67, 54687),

Gene: Placalicious_65 Start: 56136, Stop: 55780, Start Num: 22

Candidate Starts for Placalicious_65:

(4, 56424), (Start: 8 @56277 has 6 MA's), (Start: 14 @56217 has 49 MA's), (Start: 22 @56136 has 199 MA's), (31, 56070), (33, 56049), (48, 55965), (57, 55839), (59, 55833), (67, 55788),

Gene: Plata_65 Start: 55344, Stop: 54988, Start Num: 22

Candidate Starts for Plata_65:

(4, 55632), (Start: 8 @55485 has 6 MA's), (Start: 10 @55467 has 1 MA's), (Start: 14 @55425 has 49 MA's), (Start: 22 @55344 has 199 MA's), (31, 55278), (33, 55257), (48, 55173), (57, 55047), (59, 55041), (67, 54996),

Gene: Plmatters_63 Start: 55109, Stop: 54753, Start Num: 22

Candidate Starts for Plmatters_63:

(4, 55397), (Start: 8 @55250 has 6 MA's), (Start: 14 @55190 has 49 MA's), (Start: 22 @55109 has 199 MA's), (31, 55043), (33, 55022), (48, 54938), (57, 54812), (59, 54806), (67, 54761),

Gene: Podrick_63 Start: 54969, Stop: 54532, Start Num: 14

Candidate Starts for Podrick_63:

(4, 55176), (Start: 8 @55029 has 6 MA's), (Start: 14 @54969 has 49 MA's), (Start: 22 @54888 has 199 MA's), (31, 54822), (33, 54801), (48, 54717), (57, 54591), (59, 54585), (67, 54540),

Gene: Pops_62 Start: 55187, Stop: 54774, Start Num: 14

Candidate Starts for Pops_62:

(4, 55394), (Start: 8 @55247 has 6 MA's), (Start: 14 @55187 has 49 MA's), (Start: 21 @55106 has 31 MA's), (31, 55040), (33, 55019), (42, 54974), (48, 54935), (57, 54809), (59, 54803),

Gene: Potter_62 Start: 55100, Stop: 54744, Start Num: 22

Candidate Starts for Potter_62:

(4, 55388), (Start: 8 @55241 has 6 MA's), (Start: 14 @55181 has 49 MA's), (Start: 22 @55100 has 199 MA's), (31, 55034), (33, 55013), (48, 54929), (57, 54803), (59, 54797), (67, 54752),

Gene: Prickles_66 Start: 55601, Stop: 55245, Start Num: 22

Candidate Starts for Prickles_66:

(4, 55889), (Start: 8 @55742 has 6 MA's), (Start: 14 @55682 has 49 MA's), (Start: 22 @55601 has 199 MA's), (31, 55535), (33, 55514), (48, 55430), (57, 55304), (59, 55298), (67, 55253),

Gene: ProfessorX_63 Start: 55099, Stop: 54743, Start Num: 22

Candidate Starts for ProfessorX_63:

(4, 55387), (Start: 8 @55240 has 6 MA's), (Start: 14 @55180 has 49 MA's), (Start: 22 @55099 has 199 MA's), (31, 55033), (33, 55012), (48, 54928), (57, 54802), (59, 54796), (67, 54751),

Gene: Puhltonio_63 Start: 55374, Stop: 55018, Start Num: 22

Candidate Starts for Puhltonio_63:

(4, 55662), (Start: 8 @55515 has 6 MA's), (Start: 14 @55455 has 49 MA's), (Start: 22 @55374 has 199 MA's), (31, 55308), (33, 55287), (48, 55203), (57, 55077), (59, 55071), (67, 55026),

Gene: QueenBeane_64 Start: 55406, Stop: 55050, Start Num: 22

Candidate Starts for QueenBeane_64:

(4, 55694), (Start: 8 @55547 has 6 MA's), (Start: 14 @55487 has 49 MA's), (Start: 22 @55406 has 199 MA's), (31, 55340), (48, 55235), (57, 55109), (59, 55103), (67, 55058),

Gene: Quesadilla_63 Start: 56737, Stop: 56441, Start Num: 23

Candidate Starts for Quesadilla_63:

(Start: 23 @56737 has 1 MA's), (55, 56509), (64, 56458), (66, 56449),

Gene: Quisquilliae_65 Start: 55367, Stop: 55011, Start Num: 22

Candidate Starts for Quisquilliae_65:

(4, 55655), (Start: 8 @55508 has 6 MA's), (Start: 14 @55448 has 49 MA's), (Start: 22 @55367 has 199 MA's), (31, 55301), (33, 55280), (48, 55196), (57, 55070), (59, 55064), (67, 55019),

Gene: Reccee_64 Start: 56805, Stop: 56464, Start Num: 20

Candidate Starts for Reccee_64:

(Start: 20 @56805 has 12 MA's), (25, 56778), (28, 56760), (35, 56694), (45, 56661), (53, 56613), (62, 56523), (68, 56493), (70, 56475),

Gene: RedMaple_65 Start: 55842, Stop: 55486, Start Num: 22

Candidate Starts for RedMaple_65:

(4, 56130), (Start: 8 @55983 has 6 MA's), (Start: 14 @55923 has 49 MA's), (Start: 22 @55842 has 199 MA's), (31, 55776), (33, 55755), (48, 55671), (57, 55545), (59, 55539), (67, 55494),

Gene: RedRaider89_64 Start: 55674, Stop: 55177, Start Num: 8

Candidate Starts for RedRaider89_64:

(4, 55821), (Start: 8 @55674 has 6 MA's), (Start: 14 @55614 has 49 MA's), (Start: 22 @55533 has 199 MA's), (31, 55467), (33, 55446), (48, 55362), (57, 55236), (59, 55230), (67, 55185),

Gene: Reprobate_62 Start: 56572, Stop: 56228, Start Num: 20

Candidate Starts for Reprobate_62:

(Start: 20 @56572 has 12 MA's), (25, 56545), (30, 56515), (31, 56503), (44, 56428), (45, 56425), (53, 56377), (62, 56287), (70, 56239),

Gene: Rich_62 Start: 57709, Stop: 57323, Start Num: 20

Candidate Starts for Rich_62:

(Start: 20 @57709 has 12 MA's), (25, 57682), (26, 57679), (28, 57664), (35, 57598), (49, 57526), (50, 57523), (53, 57472), (62, 57382), (68, 57352), (69, 57340), (70, 57334),

Gene: Ricotta_64 Start: 55099, Stop: 54743, Start Num: 22

Candidate Starts for Ricotta_64:

(4, 55387), (Start: 8 @55240 has 6 MA's), (Start: 14 @55180 has 49 MA's), (Start: 22 @55099 has 199 MA's), (31, 55033), (33, 55012), (48, 54928), (57, 54802), (59, 54796), (67, 54751),

Gene: Riggan_65 Start: 55399, Stop: 55043, Start Num: 22

Candidate Starts for Riggan_65:

(4, 55687), (Start: 8 @55540 has 6 MA's), (Start: 14 @55480 has 49 MA's), (Start: 22 @55399 has 199 MA's), (31, 55333), (33, 55312), (48, 55228), (57, 55102), (59, 55096), (67, 55051),

Gene: Rimu_64 Start: 55690, Stop: 55211, Start Num: 10

Candidate Starts for Rimu_64:

(4, 55855), (Start: 8 @55708 has 6 MA's), (Start: 10 @55690 has 1 MA's), (Start: 14 @55648 has 49 MA's), (Start: 22 @55567 has 199 MA's), (31, 55501), (33, 55480), (48, 55396), (57, 55270), (59, 55264), (67, 55219),

Gene: Rita130_63 Start: 56618, Stop: 56277, Start Num: 20

Candidate Starts for Rita130_63:

(Start: 20 @56618 has 12 MA's), (25, 56591), (28, 56573), (35, 56507), (45, 56474), (53, 56426), (62, 56336), (68, 56306), (70, 56288),

Gene: Riverton_64 Start: 55327, Stop: 54971, Start Num: 22

Candidate Starts for Riverton_64:

(4, 55615), (Start: 8 @55468 has 6 MA's), (Start: 14 @55408 has 49 MA's), (Start: 22 @55327 has 199 MA's), (31, 55261), (33, 55240), (48, 55156), (57, 55030), (59, 55024), (67, 54979),

Gene: Robyn_64 Start: 55246, Stop: 54890, Start Num: 22

Candidate Starts for Robyn_64:

(4, 55534), (Start: 8 @55387 has 6 MA's), (Start: 14 @55327 has 49 MA's), (Start: 22 @55246 has 199 MA's), (31, 55180), (33, 55159), (48, 55075), (57, 54949), (59, 54943), (67, 54898),

Gene: Roliet_62 Start: 54441, Stop: 54085, Start Num: 22

Candidate Starts for Roliet_62:

(4, 54729), (Start: 8 @54582 has 6 MA's), (Start: 14 @54522 has 49 MA's), (Start: 22 @54441 has 199 MA's), (31, 54375), (33, 54354), (43, 54291), (48, 54270), (57, 54144), (59, 54138), (67, 54093),

Gene: Roscoe_65 Start: 55545, Stop: 55189, Start Num: 22

Candidate Starts for Roscoe_65:

(4, 55833), (Start: 8 @55686 has 6 MA's), (Start: 14 @55626 has 49 MA's), (Start: 22 @55545 has 199 MA's), (31, 55479), (33, 55458), (48, 55374), (57, 55248), (59, 55242), (67, 55197),

Gene: Roy17_62 Start: 54880, Stop: 54443, Start Num: 14

Candidate Starts for Roy17_62:

(4, 55087), (Start: 8 @54940 has 6 MA's), (Start: 14 @54880 has 49 MA's), (Start: 22 @54799 has 199 MA's), (31, 54733), (33, 54712), (48, 54628), (57, 54502), (59, 54496), (67, 54451),

Gene: SDcharge11_64 Start: 54694, Stop: 54257, Start Num: 14

Candidate Starts for SDcharge11_64:

(4, 54901), (Start: 8 @54754 has 6 MA's), (Start: 14 @54694 has 49 MA's), (Start: 22 @54613 has 199 MA's), (31, 54547), (33, 54526), (48, 54442), (57, 54316), (59, 54310), (67, 54265),

Gene: SallyH_67 Start: 55353, Stop: 54997, Start Num: 22

Candidate Starts for SallyH_67:

(4, 55641), (Start: 8 @55494 has 6 MA's), (Start: 14 @55434 has 49 MA's), (Start: 22 @55353 has 199 MA's), (31, 55287), (48, 55182), (57, 55056), (59, 55050), (67, 55005),

Gene: Samaymay_64 Start: 55406, Stop: 55050, Start Num: 22

Candidate Starts for Samaymay_64:

(4, 55694), (Start: 8 @55547 has 6 MA's), (Start: 14 @55487 has 49 MA's), (Start: 22 @55406 has 199 MA's), (31, 55340), (48, 55235), (57, 55109), (59, 55103), (67, 55058),

Gene: SassyCat97_63 Start: 55091, Stop: 54735, Start Num: 22

Candidate Starts for SassyCat97_63:

(4, 55379), (Start: 8 @55232 has 6 MA's), (Start: 14 @55172 has 49 MA's), (Start: 22 @55091 has 199 MA's), (31, 55025), (33, 55004), (48, 54920), (57, 54794), (59, 54788), (67, 54743),

Gene: Schadenfreude_64 Start: 54972, Stop: 54616, Start Num: 22

Candidate Starts for Schadenfreude_64:

(4, 55260), (Start: 8 @55113 has 6 MA's), (Start: 14 @55053 has 49 MA's), (Start: 22 @54972 has 199 MA's), (31, 54906), (33, 54885), (48, 54801), (57, 54675), (59, 54669), (67, 54624),

Gene: Schueller_64 Start: 55329, Stop: 54973, Start Num: 21

Candidate Starts for Schueller_64:

(4, 55617), (Start: 8 @55470 has 6 MA's), (Start: 14 @55410 has 49 MA's), (Start: 21 @55329 has 31 MA's), (31, 55263), (33, 55242), (42, 55197), (48, 55158), (57, 55032), (59, 55026), (67, 54981),

Gene: Scoot17C_64 Start: 55033, Stop: 54677, Start Num: 22

Candidate Starts for Scoot17C_64:

(4, 55321), (Start: 8 @55174 has 6 MA's), (Start: 14 @55114 has 49 MA's), (Start: 22 @55033 has 199 MA's), (31, 54967), (33, 54946), (48, 54862), (57, 54736), (59, 54730), (67, 54685),

Gene: Scrick_64 Start: 55105, Stop: 54749, Start Num: 22

Candidate Starts for Scrick_64:

(4, 55393), (Start: 8 @55246 has 6 MA's), (Start: 14 @55186 has 49 MA's), (Start: 22 @55105 has 199 MA's), (31, 55039), (33, 55018), (42, 54973), (48, 54934), (57, 54808), (59, 54802), (67, 54757),

Gene: Selr12_65 Start: 55115, Stop: 54759, Start Num: 22

Candidate Starts for Selr12_65:

(4, 55403), (Start: 8 @55256 has 6 MA's), (Start: 14 @55196 has 49 MA's), (Start: 22 @55115 has 199 MA's), (31, 55049), (33, 55028), (48, 54944), (57, 54818), (59, 54812), (67, 54767),

Gene: Serendipitous_62 Start: 56107, Stop: 55766, Start Num: 20

Candidate Starts for Serendipitous_62:

(Start: 20 @56107 has 12 MA's), (25, 56080), (26, 56077), (53, 55915), (62, 55825), (68, 55795), (69, 55783),

Gene: Serendipity_63 Start: 55388, Stop: 55032, Start Num: 22

Candidate Starts for Serendipity_63:

(4, 55676), (Start: 8 @55529 has 6 MA's), (Start: 14 @55469 has 49 MA's), (Start: 22 @55388 has 199 MA's), (31, 55322), (33, 55301), (48, 55217), (57, 55091), (59, 55085), (67, 55040),

Gene: Serpentine_0064 Start: 55552, Stop: 55115, Start Num: 14

Candidate Starts for Serpentine_0064:

(4, 55759), (Start: 8 @55612 has 6 MA's), (Start: 14 @55552 has 49 MA's), (Start: 22 @55471 has 199 MA's), (31, 55405), (33, 55384), (48, 55300), (57, 55174), (59, 55168), (67, 55123),

Gene: ShadowBud_64 Start: 55364, Stop: 55008, Start Num: 22

Candidate Starts for ShadowBud_64:

(4, 55652), (Start: 8 @55505 has 6 MA's), (Start: 14 @55445 has 49 MA's), (Start: 22 @55364 has 199 MA's), (31, 55298), (33, 55277), (48, 55193), (57, 55067), (59, 55061), (67, 55016),

Gene: Sheila_61 Start: 54473, Stop: 54117, Start Num: 22

Candidate Starts for Sheila_61:

(4, 54761), (Start: 8 @54614 has 6 MA's), (Start: 14 @54554 has 49 MA's), (Start: 22 @54473 has 199 MA's), (31, 54407), (33, 54386), (48, 54302), (57, 54176), (59, 54170), (67, 54125),

Gene: Shenyu_63 Start: 56833, Stop: 56498, Start Num: 22

Candidate Starts for Shenyu_63:

(Start: 22 @56833 has 199 MA's), (25, 56809), (26, 56806), (27, 56800), (28, 56791), (53, 56647), (62, 56557), (68, 56527), (70, 56509),

Gene: ShiVal_62 Start: 55191, Stop: 54754, Start Num: 14

Candidate Starts for ShiVal_62:

(4, 55398), (Start: 8 @55251 has 6 MA's), (Start: 14 @55191 has 49 MA's), (Start: 22 @55110 has 199 MA's), (31, 55044), (33, 55023), (48, 54939), (57, 54813), (59, 54807), (67, 54762),

Gene: Sigman_64 Start: 55066, Stop: 54710, Start Num: 22

Candidate Starts for Sigman_64:

(4, 55354), (Start: 8 @55207 has 6 MA's), (Start: 14 @55147 has 49 MA's), (Start: 22 @55066 has 199 MA's), (31, 55000), (33, 54979), (48, 54895), (57, 54769), (59, 54763), (67, 54718),

Gene: SilverBell_65 Start: 55351, Stop: 54995, Start Num: 22

Candidate Starts for SilverBell_65:

(4, 55639), (Start: 8 @55492 has 6 MA's), (Start: 14 @55432 has 49 MA's), (Start: 22 @55351 has 199 MA's), (31, 55285), (33, 55264), (48, 55180), (57, 55054), (59, 55048), (67, 55003),

Gene: Simielle_64 Start: 55070, Stop: 54714, Start Num: 22

Candidate Starts for Simielle_64:

(4, 55358), (Start: 8 @55211 has 6 MA's), (Start: 14 @55151 has 49 MA's), (Start: 22 @55070 has 199 MA's), (31, 55004), (33, 54983), (48, 54899), (57, 54773), (59, 54767), (67, 54722),

Gene: SirBeauregard_65 Start: 55636, Stop: 55280, Start Num: 22

Candidate Starts for SirBeauregard_65:

(4, 55924), (Start: 8 @55777 has 6 MA's), (Start: 14 @55717 has 49 MA's), (Start: 22 @55636 has 199 MA's), (31, 55570), (33, 55549), (48, 55465), (57, 55339), (59, 55333), (67, 55288),

Gene: SirJeffery_63 Start: 56753, Stop: 56412, Start Num: 20

Candidate Starts for SirJeffery_63:

(Start: 20 @56753 has 12 MA's), (25, 56726), (28, 56708), (35, 56642), (45, 56609), (53, 56561), (62, 56471), (68, 56441), (70, 56423),

Gene: Skippy_65 Start: 55324, Stop: 54968, Start Num: 22

Candidate Starts for Skippy_65:

(4, 55612), (Start: 8 @55465 has 6 MA's), (Start: 14 @55405 has 49 MA's), (Start: 22 @55324 has 199 MA's), (31, 55258), (33, 55237), (48, 55153), (57, 55027), (59, 55021), (67, 54976),

Gene: Slatt_65 Start: 55389, Stop: 55033, Start Num: 22

Candidate Starts for Slatt_65:

(4, 55677), (Start: 8 @55530 has 6 MA's), (Start: 14 @55470 has 49 MA's), (Start: 22 @55389 has 199 MA's), (31, 55323), (33, 55302), (48, 55218), (57, 55092), (59, 55086), (67, 55041),

Gene: Soile_65 Start: 55620, Stop: 55264, Start Num: 22

Candidate Starts for Soile_65:

(4, 55908), (Start: 8 @55761 has 6 MA's), (Start: 10 @55743 has 1 MA's), (Start: 14 @55701 has 49 MA's), (Start: 22 @55620 has 199 MA's), (31, 55554), (33, 55533), (48, 55449), (57, 55323), (59, 55317), (67, 55272),

Gene: Sophia_63 Start: 55079, Stop: 54723, Start Num: 22

Candidate Starts for Sophia_63:

(4, 55367), (Start: 8 @55220 has 6 MA's), (Start: 14 @55160 has 49 MA's), (Start: 22 @55079 has 199 MA's), (31, 55013), (33, 54992), (48, 54908), (57, 54782), (59, 54776), (67, 54731),

Gene: Soto_62 Start: 54727, Stop: 54290, Start Num: 14

Candidate Starts for Soto_62:

(4, 54934), (Start: 8 @54787 has 6 MA's), (Start: 14 @54727 has 49 MA's), (Start: 22 @54646 has 199 MA's), (31, 54580), (33, 54559), (48, 54475), (57, 54349), (59, 54343), (67, 54298),

Gene: Spartan300_64 Start: 55307, Stop: 54951, Start Num: 22

Candidate Starts for Spartan300_64:

(4, 55595), (Start: 8 @55448 has 6 MA's), (Start: 14 @55388 has 49 MA's), (Start: 22 @55307 has 199 MA's), (31, 55241), (33, 55220), (43, 55157), (48, 55136), (57, 55010), (59, 55004), (67, 54959),

Gene: Squid_63 Start: 55172, Stop: 54735, Start Num: 14

Candidate Starts for Squid_63:

(4, 55379), (Start: 8 @55232 has 6 MA's), (Start: 14 @55172 has 49 MA's), (Start: 22 @55091 has 199 MA's), (31, 55025), (33, 55004), (48, 54920), (57, 54794), (59, 54788), (67, 54743),

Gene: Squiggle_64 Start: 55099, Stop: 54743, Start Num: 22

Candidate Starts for Squiggle_64:

(4, 55387), (Start: 8 @55240 has 6 MA's), (Start: 14 @55180 has 49 MA's), (Start: 22 @55099 has 199 MA's), (31, 55033), (33, 55012), (48, 54928), (57, 54802), (59, 54796), (67, 54751),

Gene: StinkyVeggy_63 Start: 56576, Stop: 56241, Start Num: 22

Candidate Starts for StinkyVeggy_63:

(Start: 22 @56576 has 199 MA's), (25, 56552), (26, 56549), (27, 56543), (28, 56534), (53, 56390), (62, 56300), (68, 56270), (70, 56252),

Gene: Struggle_65 Start: 55183, Stop: 54827, Start Num: 22

Candidate Starts for Struggle_65:

(4, 55471), (Start: 8 @55324 has 6 MA's), (Start: 10 @55306 has 1 MA's), (Start: 14 @55264 has 49 MA's), (Start: 22 @55183 has 199 MA's), (31, 55117), (33, 55096), (48, 55012), (57, 54886), (59, 54880), (67, 54835),

Gene: Suffolk_62 Start: 54735, Stop: 54238, Start Num: 8

Candidate Starts for Suffolk_62:

(4, 54882), (Start: 8 @54735 has 6 MA's), (Start: 14 @54675 has 49 MA's), (Start: 22 @54594 has 199 MA's), (31, 54528), (33, 54507), (48, 54423), (57, 54297), (59, 54291), (67, 54246),

Gene: Suigeneris_65 Start: 56871, Stop: 56530, Start Num: 20

Candidate Starts for Suigeneris_65:

(Start: 20 @56871 has 12 MA's), (25, 56844), (28, 56826), (35, 56760), (45, 56727), (53, 56679), (62, 56589), (68, 56559), (70, 56541),

Gene: Surely_64 Start: 55381, Stop: 55025, Start Num: 22

Candidate Starts for Surely_64:

(4, 55669), (Start: 8 @55522 has 6 MA's), (Start: 14 @55462 has 49 MA's), (Start: 22 @55381 has 199 MA's), (31, 55315), (33, 55294), (48, 55210), (57, 55084), (59, 55078), (67, 55033),

Gene: Swiphy_66 Start: 55625, Stop: 55269, Start Num: 22

Candidate Starts for Swiphy_66:

(4, 55913), (Start: 8 @55766 has 6 MA's), (Start: 14 @55706 has 49 MA's), (Start: 22 @55625 has 199 MA's), (31, 55559), (33, 55538), (48, 55454), (57, 55328), (59, 55322), (67, 55277),

Gene: Swish_65 Start: 55355, Stop: 54999, Start Num: 22

Candidate Starts for Swish_65:

(4, 55643), (Start: 8 @55496 has 6 MA's), (Start: 14 @55436 has 49 MA's), (Start: 22 @55355 has 199 MA's), (31, 55289), (48, 55184), (57, 55058), (59, 55052), (67, 55007),

Gene: TallGrassMM_63 Start: 54995, Stop: 54639, Start Num: 22

Candidate Starts for TallGrassMM_63:

(4, 55283), (Start: 8 @55136 has 6 MA's), (Start: 14 @55076 has 49 MA's), (Start: 22 @54995 has 199 MA's), (31, 54929), (33, 54908), (48, 54824), (57, 54698), (59, 54692), (67, 54647),

Gene: Taraxa_66 Start: 54982, Stop: 54626, Start Num: 22

Candidate Starts for Taraxa_66:

(4, 55270), (Start: 8 @55123 has 6 MA's), (Start: 14 @55063 has 49 MA's), (Start: 22 @54982 has 199 MA's), (31, 54916), (33, 54895), (48, 54811), (57, 54685), (59, 54679), (67, 54634),

Gene: Telesworld_62 Start: 55200, Stop: 54844, Start Num: 22

Candidate Starts for Telesworld_62:

(4, 55488), (Start: 8 @55341 has 6 MA's), (Start: 14 @55281 has 49 MA's), (Start: 22 @55200 has 199 MA's), (31, 55134), (33, 55113), (48, 55029), (57, 54903), (59, 54897), (67, 54852),

Gene: Thora_63 Start: 55377, Stop: 55021, Start Num: 22

Candidate Starts for Thora_63:

(4, 55665), (Start: 8 @55518 has 6 MA's), (Start: 14 @55458 has 49 MA's), (Start: 22 @55377 has 199 MA's), (31, 55311), (33, 55290), (48, 55206), (57, 55080), (59, 55074), (67, 55029),

Gene: ThreeOh3D2_65 Start: 55679, Stop: 55242, Start Num: 14

Candidate Starts for ThreeOh3D2_65:

(4, 55886), (Start: 8 @55739 has 6 MA's), (Start: 14 @55679 has 49 MA's), (Start: 22 @55598 has 199 MA's), (31, 55532), (33, 55511), (48, 55427), (57, 55301), (59, 55295), (67, 55250),

Gene: Thunderbird_64 Start: 55338, Stop: 54982, Start Num: 22

Candidate Starts for Thunderbird_64:

(4, 55626), (Start: 8 @55479 has 6 MA's), (Start: 14 @55419 has 49 MA's), (Start: 22 @55338 has 199 MA's), (31, 55272), (33, 55251), (48, 55167), (57, 55041), (59, 55035), (67, 54990),

Gene: Timmi_63 Start: 55080, Stop: 54724, Start Num: 22

Candidate Starts for Timmi_63:

(4, 55368), (Start: 8 @55221 has 6 MA's), (Start: 14 @55161 has 49 MA's), (Start: 22 @55080 has 199 MA's), (31, 55014), (33, 54993), (48, 54909), (57, 54783), (59, 54777), (67, 54732),

Gene: TomBombadil_64 Start: 55365, Stop: 55009, Start Num: 22

Candidate Starts for TomBombadil_64:

(4, 55653), (Start: 8 @55506 has 6 MA's), (Start: 14 @55446 has 49 MA's), (Start: 22 @55365 has 199 MA's), (31, 55299), (33, 55278), (48, 55194), (57, 55068), (59, 55062), (67, 55017),

Gene: Tomlarah_65 Start: 55934, Stop: 55578, Start Num: 22

Candidate Starts for Tomlarah_65:

(4, 56222), (Start: 8 @56075 has 6 MA's), (Start: 14 @56015 has 49 MA's), (Start: 22 @55934 has 199 MA's), (31, 55868), (33, 55847), (48, 55763), (57, 55637), (59, 55631), (67, 55586),

Gene: Toni_64 Start: 55527, Stop: 55171, Start Num: 22

Candidate Starts for Toni_64:

(4, 55815), (Start: 8 @55668 has 6 MA's), (Start: 14 @55608 has 49 MA's), (Start: 22 @55527 has 199 MA's), (31, 55461), (33, 55440), (48, 55356), (57, 55230), (59, 55224), (67, 55179),

Gene: TooFast2Furius_64 Start: 55346, Stop: 54990, Start Num: 21

Candidate Starts for TooFast2Furius_64:

(4, 55634), (Start: 8 @55487 has 6 MA's), (Start: 14 @55427 has 49 MA's), (Start: 21 @55346 has 31 MA's), (31, 55280), (33, 55259), (42, 55214), (48, 55175), (57, 55049), (59, 55043), (67, 54998),

Gene: Tooj_62 Start: 54750, Stop: 54394, Start Num: 22

Candidate Starts for Tooj_62:

(4, 55038), (Start: 8 @54891 has 6 MA's), (Start: 14 @54831 has 49 MA's), (Start: 22 @54750 has 199 MA's), (31, 54684), (33, 54663), (48, 54579), (57, 54453), (59, 54447), (67, 54402),

Gene: Triad_66 Start: 54535, Stop: 54179, Start Num: 22

Candidate Starts for Triad_66:

(4, 54823), (Start: 8 @54676 has 6 MA's), (Start: 14 @54616 has 49 MA's), (Start: 22 @54535 has 199 MA's), (31, 54469), (33, 54448), (48, 54364), (57, 54238), (59, 54232), (67, 54187),

Gene: True_63 Start: 55090, Stop: 54734, Start Num: 22

Candidate Starts for True_63:

(4, 55378), (Start: 8 @55231 has 6 MA's), (Start: 14 @55171 has 49 MA's), (Start: 22 @55090 has 199 MA's), (31, 55024), (33, 55003), (48, 54919), (57, 54793), (59, 54787), (67, 54742),

Gene: Trypo_66 Start: 55843, Stop: 55406, Start Num: 14

Candidate Starts for Trypo_66:

(4, 56050), (Start: 8 @55903 has 6 MA's), (Start: 10 @55885 has 1 MA's), (Start: 14 @55843 has 49 MA's), (Start: 22 @55762 has 199 MA's), (31, 55696), (33, 55675), (48, 55591), (57, 55465), (59, 55459), (67, 55414),

Gene: TyrionL_65 Start: 55269, Stop: 54832, Start Num: 14

Candidate Starts for TyrionL_65:

(4, 55476), (Start: 8 @55329 has 6 MA's), (Start: 14 @55269 has 49 MA's), (Start: 21 @55188 has 31 MA's), (31, 55122), (33, 55101), (42, 55056), (48, 55017), (57, 54891), (59, 54885), (67, 54840),

Gene: UAch1_64 Start: 55321, Stop: 54965, Start Num: 22

Candidate Starts for UAch1_64:

(15, 55378), (Start: 22 @55321 has 199 MA's), (31, 55255), (33, 55234), (48, 55150), (57, 55024), (59, 55018), (67, 54973),

Gene: UncleHowie_62 Start: 54792, Stop: 54436, Start Num: 22

Candidate Starts for UncleHowie_62:

(4, 55080), (Start: 8 @54933 has 6 MA's), (Start: 14 @54873 has 49 MA's), (Start: 22 @54792 has 199 MA's), (31, 54726), (33, 54705), (48, 54621), (57, 54495), (59, 54489), (67, 54444),

Gene: Usavi_64 Start: 55460, Stop: 55104, Start Num: 22

Candidate Starts for Usavi_64:

(4, 55748), (Start: 8 @55601 has 6 MA's), (Start: 14 @55541 has 49 MA's), (Start: 22 @55460 has 199 MA's), (31, 55394), (33, 55373), (48, 55289), (57, 55163), (59, 55157), (67, 55112),

Gene: Vaishali24_63 Start: 54995, Stop: 54639, Start Num: 22

Candidate Starts for Vaishali24_63:

(4, 55283), (Start: 8 @55136 has 6 MA's), (Start: 14 @55076 has 49 MA's), (Start: 22 @54995 has 199 MA's), (31, 54929), (33, 54908), (48, 54824), (57, 54698), (59, 54692), (67, 54647),

Gene: Valjean_64 Start: 55317, Stop: 54961, Start Num: 22

Candidate Starts for Valjean_64:

(4, 55605), (Start: 8 @55458 has 6 MA's), (Start: 14 @55398 has 49 MA's), (Start: 22 @55317 has 199 MA's), (31, 55251), (33, 55230), (43, 55167), (48, 55146), (57, 55020), (59, 55014), (67, 54969),

Gene: Vaticameos_61 Start: 53625, Stop: 53269, Start Num: 22

Candidate Starts for Vaticameos_61:

(4, 53913), (Start: 8 @53766 has 6 MA's), (Start: 14 @53706 has 49 MA's), (Start: 22 @53625 has 199 MA's), (31, 53559), (33, 53538), (48, 53454), (57, 53328), (59, 53322), (67, 53277),

Gene: Veritas_64 Start: 55267, Stop: 54935, Start Num: 21

Candidate Starts for Veritas_64:

(4, 55555), (Start: 8 @55408 has 6 MA's), (Start: 14 @55348 has 49 MA's), (Start: 21 @55267 has 31 MA's), (31, 55201), (33, 55180), (43, 55117), (48, 55096), (57, 54970), (59, 54964),

Gene: Vincenzo_61 Start: 57535, Stop: 57200, Start Num: 19

Candidate Starts for Vincenzo_61:

(Start: 19 @57535 has 2 MA's), (25, 57508), (31, 57466), (37, 57421), (43, 57391), (49, 57367), (50, 57364), (60, 57247), (64, 57220),

Gene: Virapocalypse_65 Start: 55416, Stop: 55060, Start Num: 22

Candidate Starts for Virapocalypse_65:

(4, 55704), (Start: 8 @55557 has 6 MA's), (Start: 14 @55497 has 49 MA's), (Start: 22 @55416 has 199 MA's), (31, 55350), (33, 55329), (48, 55245), (57, 55119), (59, 55113), (67, 55068),

Gene: Virgeve_63 Start: 55054, Stop: 54698, Start Num: 21

Candidate Starts for Virgeve_63:

(4, 55342), (Start: 8 @55195 has 6 MA's), (Start: 14 @55135 has 49 MA's), (Start: 21 @55054 has 31 MA's), (31, 54988), (33, 54967), (42, 54922), (48, 54883), (57, 54757), (59, 54751), (67, 54706),

Gene: Vista_63 Start: 55174, Stop: 54737, Start Num: 14

Candidate Starts for Vista_63:

(4, 55381), (Start: 8 @55234 has 6 MA's), (Start: 14 @55174 has 49 MA's), (Start: 22 @55093 has 199 MA's), (31, 55027), (33, 55006), (48, 54922), (57, 54796), (59, 54790), (67, 54745),

Gene: Vivaldi_65 Start: 55692, Stop: 55195, Start Num: 9

Candidate Starts for Vivaldi_65:

(1, 56097), (2, 56082), (3, 56076), (7, 55713), (Start: 9 @55692 has 1 MA's), (Start: 14 @55632 has 49 MA's), (Start: 22 @55551 has 199 MA's), (31, 55485), (33, 55464), (43, 55401), (48, 55380), (57, 55254), (59, 55248), (67, 55203),

Gene: Vortex_63 Start: 55075, Stop: 54719, Start Num: 22

Candidate Starts for Vortex_63:

(4, 55363), (Start: 8 @55216 has 6 MA's), (Start: 14 @55156 has 49 MA's), (Start: 22 @55075 has 199 MA's), (31, 55009), (33, 54988), (48, 54904), (57, 54778), (59, 54772), (67, 54727),

Gene: Wallhey_65 Start: 55198, Stop: 54842, Start Num: 22

Candidate Starts for Wallhey_65:

(4, 55486), (Start: 8 @55339 has 6 MA's), (Start: 14 @55279 has 49 MA's), (Start: 22 @55198 has 199 MA's), (31, 55132), (33, 55111), (48, 55027), (57, 54901), (59, 54895), (67, 54850),

Gene: Waterdiva_64 Start: 55454, Stop: 55098, Start Num: 22

Candidate Starts for Waterdiva_64:

(4, 55742), (Start: 8 @55595 has 6 MA's), (Start: 14 @55535 has 49 MA's), (Start: 22 @55454 has 199 MA's), (31, 55388), (33, 55367), (48, 55283), (57, 55157), (59, 55151), (67, 55106),

Gene: Weher20_62 Start: 55709, Stop: 55377, Start Num: 21

Candidate Starts for Weher20_62:

(4, 55997), (Start: 8 @55850 has 6 MA's), (Start: 14 @55790 has 49 MA's), (Start: 21 @55709 has 31 MA's), (31, 55643), (33, 55622), (43, 55559), (48, 55538), (57, 55412), (59, 55406),

Gene: Windsor_64 Start: 55721, Stop: 55284, Start Num: 14

Candidate Starts for Windsor_64:

(4, 55928), (Start: 8 @55781 has 6 MA's), (Start: 14 @55721 has 49 MA's), (Start: 22 @55640 has 199 MA's), (31, 55574), (33, 55553), (48, 55469), (57, 55343), (59, 55337), (67, 55292),

Gene: Xavier_63 Start: 55082, Stop: 54726, Start Num: 22

Candidate Starts for Xavier_63:

(4, 55370), (Start: 8 @55223 has 6 MA's), (Start: 14 @55163 has 49 MA's), (Start: 22 @55082 has 199 MA's), (31, 55016), (33, 54995), (48, 54911), (57, 54785), (59, 54779), (67, 54734),

Gene: Yoshand_65 Start: 55368, Stop: 55012, Start Num: 22

Candidate Starts for Yoshand_65:

(4, 55656), (Start: 8 @55509 has 6 MA's), (Start: 14 @55449 has 49 MA's), (Start: 22 @55368 has 199 MA's), (31, 55302), (48, 55197), (57, 55071), (59, 55065), (67, 55020),

Gene: YouGoGlencoco_65 Start: 55320, Stop: 54964, Start Num: 22

Candidate Starts for YouGoGlencoco_65:

(4, 55608), (Start: 8 @55461 has 6 MA's), (Start: 14 @55401 has 49 MA's), (Start: 22 @55320 has 199 MA's), (31, 55254), (33, 55233), (48, 55149), (57, 55023), (59, 55017), (67, 54972),

Gene: Zaider_65 Start: 55561, Stop: 55205, Start Num: 22

Candidate Starts for Zaider_65:

(4, 55849), (Start: 8 @55702 has 6 MA's), (Start: 14 @55642 has 49 MA's), (Start: 22 @55561 has 199 MA's), (31, 55495), (33, 55474), (48, 55390), (57, 55264), (59, 55258), (67, 55213),

Gene: Zelda_65 Start: 55722, Stop: 55366, Start Num: 22

Candidate Starts for Zelda_65:

(4, 56010), (Start: 8 @55863 has 6 MA's), (Start: 14 @55803 has 49 MA's), (Start: 22 @55722 has 199 MA's), (31, 55656), (33, 55635), (48, 55551), (57, 55425), (59, 55419), (67, 55374),

Gene: Zonia_65 Start: 55730, Stop: 55293, Start Num: 14

Candidate Starts for Zonia_65:

(4, 55937), (Start: 8 @55790 has 6 MA's), (Start: 14 @55730 has 49 MA's), (Start: 22 @55649 has 199 MA's), (31, 55583), (33, 55562), (48, 55478), (57, 55352), (59, 55346), (67, 55301),