

Pham 307947



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 307947 Report

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

Pham number 307947 has 314 members, 28 are drafts.

Phages represented in each track:

- Track 1 : StAugustine_70, Causa_70
- Track 2 : JacAttac_89, Swiphy_91, ShadowBud_89, Craff_90, Zonia_89, BatteryCK_87, Fang_90, Gwennie1_88, MitKao_89, Vista_88, Squiggle_88, AngelCake_88, Zaider_90, Eugenia_91, Mcshane_88, Chunky_88, Duggie_89, Gwilliam_89, Lumine_90, Nicole21_90, Hocus_87, HSavage_87, Jiraiya_90, Held_87, Boehler_87, Olak_88, Thunderbird_89, ShiVal_87, HenryJackson_89, Kikipoo_91, Chah_91, Selr12_90, Frankicide_87, Inverness_87, Derpp_88, Andre_91, JDog_88, Gareth_89, Jesabah_91, CharlieGBrown_87, Waterdiva_90, TyrionL_89, FluffyNinja_90, Badfish_89, Dati_86, Adriana_89, DuchessDung_86, Riverton_88, Orwigg_88, FugateOSU_89, PG1_87, Jiminy_89, Labeouficaum_89, LeiMonet_92, Giraffe_89, Usavi_89, Ricotta_89, Grand2040_87, RedMaple_88, MiniBoss_85, MrPhizzler_92, Kwksand96_90, Mesmerelda_88, DaddyDaniels_92, TooFast2Furius_88, Quisquiliae_91, Melc17_86, KlimbOn_88, Lasso_88, BlueHusk_90, Nathan_89, Nyala_88, Scrick_88, Eremos_87, Pacifista_88, Soile_90, Cornbread_87, Orfeu_88, LasagnaCat_90, Magic8_88, MichaelPhcott_87, Placalicious_87, Mulan_88, Puhltonio_85, Keitherie_92, Kahve_89, DelRivs_87, Orion_87, Crownjwl_86, Emiris_91, Dice_88, JangoPhett_87, Valjean_87, Iridessa_90, Hartsy_87, Schueller_87, KingVeVeVe_87, Maru_89, Simielle_88, Cobra_89, RedRaider89_88, ElvisPhasley_90, Kloppinator_89, Coletti_92, Rimu_87, CampRoach_89, Weher20_86, Kailash_87, Timmi_87, DoesntMatter_86, SassyCat97_87, DirtJuice_88
- Track 3 : HogWash_89, Pinkman_88, Durga_91, Phipps_87, LeeLot_87, FleetyMac_91, Riggan_90, Kimbrough_90, Nova1_88, PinheadLarry_88, OneBrain_91, YouGoGlencoco_89, Pipsqueak_86, CamL_89, Trypo_89, Harvey_86, Fringe_93, Oline_88, Podrick_87, Newman_85, Lego3393_87, Cannibal_89, Anderson_90, Sigman_88, Freya_85, Doddsville_86, Olive_85, BlackStallion_88, Etaye_88, Dingo_86, Maskar_90, Slatt_89, Phunky_86, Struggle_89, Longacauda_90, Mecca_89, Inchworm_90, Chuni_90, Daffy_88, Toni_88, Childish_89, PhrodoBaggins_91, Banjo_85, Hekos_87, GreenChile_88, Flake_88, Chorkpop_90, Mutante_90, Phamished_88, NiaNia_90, Pherdinand_90, SirBeauregard_90, Tomlarah_89, Pops_86, Bishoperium_89, Taraxa_89, Surely_89, Altwerkus_86, Spartan300_88, LuckyMarjie_86, Basato_88, Beaglebox_85, Samaymay_89, Kwadwo_88, Veritas_88, Manad_88, Dione_87, GeneCoco_89, Nacho_0091, Plmatters_86, Hertubise_88, Zelda_89, Larson_91, Haimas_86, Phareon_86, Sheila_83, ABU_87, Plata_88, AltPhacts_86, DonSanchon_84, Fozzie_86, Matalotodo_87, Morgushi_86, KLucky39_87, UncleHowie_85, Karn_89, Chipette_87, Bluephacebaby_88, HighStump_90, CheetO_86, Khan1_89,

Roscoe_88, Yoshand_90, OliverWalter_88, Roliet_86, Numberten_88, Horchata_84, TomBombadil_89, Hamish_86, Piglet_0088, Phergie_89, LostAndPhound_88, Sophia_87, Phleuron_86, PallasAthena_90, PhenghisKhan_89, MelsMeow_88, Chaelin_90, Mikota_84, Haleema_88, Iridoclysis_88, Skippy_89, Scoot17C_89, Chute_89, Morty_89, Mosaic_86, JakeO_90, MRabcd_89, Virgeve_87, Vortex_87, Ashraf_90, Legolas_90, Serpentine_0090, LemonSlice_89, FremontTroll_87, Mana_86, OSmaximus_90, Mag7_87, QueenBeane_89, Megamind20_89, Gyarad_0088, PhrankReynolds_87, SallyH_92, PhatLouie_91, Potter_83, ImtiyazSitla_90, Buckeye_88, Katniss_91, Charles1_90, Roy17_86, Lulumae_84, Windsor_89, Murdoc_85, Cosmolli16_91, FriarPreacher_86, DoIOn_93, IsaacEli_91, Lulwa_86, Swish_90, Omniscient_90, Xavier_88, Virapocalypse_90, KingTut_80, BlacksBerry_89, Telesworld_87, Happabalu_87, True_87, ThreeOh3D2_90, SilverBell_90, Serendipity_88, Wallhey_90, Aleia_88, Brilliant_92, Vaticameos_86

- Track 4 : Carthage_90, Robyn_91
- Track 5 : UAch1_90, SDcharge11_88, Soto_86, Hetaeria_89, Vivaldi_89, Colbert_87, Megatron_90, Tooj_86, Prickles_90, BoogieWoogie_88, PhatCats2014_88, Gophee_88
- Track 6 : Aelin_88, Suffolk_85
- Track 7 : Triad_89, Lehmann_90
- Track 8 : Lopsy_85
- Track 9 : Solosis_87
- Track 10 : Daka_91, EmpTee_88, Burr_89, AbsoluteMadLad_87, ProfessorX_87
- Track 11 : Caspiboi_88, Apizium_87, TallGrassMM_88
- Track 12 : Antonia_88
- Track 13 : Aonishiki_89, Squid_88
- Track 14 : Thora_87, Oosterbaan_89
- Track 15 : Jillium_90
- Track 16 : EmGer13_88
- Track 17 : Mesh1_90

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

The start number called the most often in the published annotations is 7, it was called in 159 of the 286 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_87, Aelin_88, Aleia_88, AltPhacts_86, Altwerkus_86, Anderson_90, Ashraf_90, Banjo_85, Basato_88, Beaglebox_85, Bishoperium_89, BlackStallion_88, BlacksBerry_89, Bluephacebaby_88, BoogieWoogie_88, Brilliant_92, Buckeye_88, CamL_89, Cannibal_89, Carthage_90, Chaelin_90, Charles1_90, CheetO_86, Childish_89, Chipette_87, Chorkpop_90, Chuni_90, Chute_89, Colbert_87, Cosmolli16_91, Daffy_88, Dingo_86, Dione_87, Doddsville_86, DoIOn_93, DonSanchon_84, Durga_91, EmGer13_88, Etaye_88, Flake_88, FleetyMac_91, Fozzie_86, FremontTroll_87, Freya_85, FriarPreacher_86, Fringe_93, GeneCoco_89, Gophee_88, GreenChile_88, Gyarad_0088, Haimas_86, Haleema_88, Hamish_86, Happabalu_87, Harvey_86, Hekos_87, Hertubise_88, Hetaeria_89, HighStump_90, HogWash_89, Horchata_84, ImtiyazSitla_90, Inchworm_90, Iridoclysis_88, IsaacEli_91, JakeO_90, KLucky39_87, Karn_89, Katniss_91, Khan1_89, Kimbrough_90, KingTut_80, Kwadwo_88, Larson_91, LeeLot_87, Lego3393_87, Legolas_90, LemonSlice_89, Longacauda_90, Lopsy_85, LostAndPhound_88,

LuckyMarjie_86, Lulumae_84, Lulwa_86, MRabcd_89, Mag7_87, Mana_86, Manad_88, Maskar_90, Matalotodo_87, Mecca_89, Megamind20_89, Megatron_90, MelsMeow_88, Mikota_84, Morgushi_86, Morty_89, Mosaic_86, Murdoc_85, Mutante_90, Nacho_0091, Newman_85, NiaNia_90, Nova1_88, Numberbert_88, OSmaximus_90, Oline_88, Olive_85, OliverWalter_88, Omniscient_90, OneBrain_91, Oosterbaan_89, PallasAthena_90, Phamished_88, Phareon_86, PhatCats2014_88, PhatLouie_91, PhenghisKhan_89, Pherdinand_90, Phergie_89, Phipps_87, Phleuron_86, PhrankReynolds_87, PhrodoBaggins_91, Phunky_86, Piglet_0088, PinheadLarry_88, Pinkman_88, Pipsqueak_86, Plata_88, Plmatters_86, Podrick_87, Pops_86, Potter_83, Prickles_90, QueenBeane_89, Riggan_90, Robyn_91, Roliet_86, Roscoe_88, Roy17_86, SDcharge11_88, SallyH_92, Samaymay_89, Scoot17C_89, Serendipity_88, Serpentine_0090, Sheila_83, Sigman_88, SilverBell_90, SirBeauregard_90, Skippy_89, Slatt_89, Solosis_87, Sophia_87, Soto_86, Spartan300_88, Struggle_89, Suffolk_85, Surely_89, Swish_90, Taraxa_89, Telesworld_87, Thora_87, ThreeOh3D2_90, TomBombadil_89, Tomlarah_89, Toni_88, Tooj_86, True_87, Trypo_89, UAch1_90, UncleHowie_85, Vaticameos_86, Veritas_88, Virapocalypse_90, Virgeve_87, Vivaldi_89, Vortex_87, Wallhey_90, Windsor_89, Xavier_88, Yoshand_90, YouGoGlencoco_89, Zelda_89,

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

- AbsoluteMadLad_87, Adriana_89, Andre_91, AngelCake_88, Antonia_88, Aonishiki_89, Apizium_87, Badfish_89, BatteryCK_87, BlueHusk_90, Boehler_87, Burr_89, CampRoach_89, Caspiboi_88, Chah_91, CharlieGBrown_87, Chunky_88, Cobra_89, Coletti_92, Cornbread_87, Craff_90, Crownjwl_86, DaddyDaniels_92, Daka_91, Dati_86, DelRivs_87, Derpp_88, Dice_88, DirtJuice_88, DoesntMatter_86, DuchessDung_86, Duggie_89, ElvisPhasley_90, Emiris_91, EmpTee_88, Eremos_87, Eugenia_91, Fang_90, FluffyNinja_90, Frankicide_87, FugateOSU_89, Gareth_89, Giraffe_89, Grand2040_87, Gwennie1_88, Gwilliam_89, HSavage_87, Hartsy_87, Held_87, HenryJackson_89, Hocus_87, Inverness_87, Iridessa_90, JDog_88, JacAttac_89, JangoPhett_87, Jesabah_91, Jillium_90, Jiminy_89, Jiraiya_90, Kahve_89, Kailash_87, Keitherie_92, Kikipoo_91, KingVeVeVe_87, KlimbOn_88, Kloppinator_89, Kwksand96_90, Labeouficaum_89, LasagnaCat_90, Lasso_88, Lehmann_90, LeiMonet_92, Lumine_90, Magic8_88, Maru_89, Mcshane_88, Melc17_86, Mesmerelda_88, MichaelPhcott_87, MiniBoss_85, MitKao_89, MrPhizzler_92, Mulan_88, Nathan_89, Nicole21_90, Nyala_88, Olak_88, Orfeu_88, Orion_87, Orwigg_88, PG1_87, Pacifista_88, Placalicious_87, ProfessorX_87, Puhltonio_85, Quisquilliae_91, RedMaple_88, RedRaider89_88, Ricotta_89, Rimu_87, Riverton_88, SassyCat97_87, Schueller_87, Scrick_88, Selr12_90, ShadowBud_89, ShiVal_87, Simielle_88, Soile_90, Squid_88, Squiggle_88, Swiphy_91, TallGrassMM_88, Thunderbird_89, Timmi_87, TooFast2Furius_88, Triad_89, TyrionL_89, Usavi_89, Valjean_87, Vista_88, Waterdiva_90, Weher20_86, Zaider_90, Zonia_89,

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

- Causa_70, Mesh1_90, StAugustine_70,

Summary by start number:

Start 5:

- Found in 310 of 314 (98.7%) of genes in pham
- Manual Annotations of this start: 2 of 286
- Called 0.6% of time when present
- Phage (with cluster) where this start called: Aonishiki_89 (B1), Squid_88 (B1),

Start 7:

- Found in 311 of 314 (99.0%) of genes in pham
- Manual Annotations of this start: 159 of 286
- Called 59.5% of time when present
- Phage (with cluster) where this start called: ABU_87 (B1), Aelin_88 (B1), Aleia_88 (B1), AltPhacts_86 (B1), Altwerkus_86 (B1), Anderson_90 (B1), Ashraf_90 (B1), Banjo_85 (B1), Basato_88 (B1), Beaglebox_85 (B1), Bishoperium_89 (B1), BlackStallion_88 (B1), BlacksBerry_89 (B1), Bluephacebaby_88 (B1), BoogieWoogie_88 (B1), Brilliant_92 (B1), Buckeye_88 (B1), CamL_89 (B1), Cannibal_89 (B1), Carthage_90 (B1), Chaelin_90 (B1), Charles1_90 (B1), CheetO_86 (B1), Childish_89 (B1), Chipette_87 (B1), Chorkpop_90 (B1), Chuni_90 (B1), Chute_89 (B1), Colbert_87 (B1), Cosmolli16_91 (B1), Daffy_88 (B1), Dingo_86 (B1), Dione_87 (B1), Doddsville_86 (B1), DoLOn_93 (B1), DonSanchon_84 (B1), Durga_91 (B1), EmGer13_88 (B1), Etaye_88 (B1), Flake_88 (B1), FleetyMac_91 (B1), Fozzie_86 (B1), FremontTroll_87 (B1), Freya_85 (B1), FriarPreacher_86 (B1), Fringe_93 (B1), GeneCoco_89 (B1), Gophee_88 (B1), GreenChile_88 (B1), Gyarad_0088 (B1), Haimas_86 (B1), Haleema_88 (B1), Hamish_86 (B1), Happabalu_87 (B1), Harvey_86 (B1), Hekos_87 (B1), Hertubise_88 (B1), Hetaeria_89 (B1), HighStump_90 (B1), HogWash_89 (B1), Horchata_84 (B1), ImtiyazSitla_90 (B1), Inchworm_90 (B1), Iridoclysis_88 (B1), IsaacEli_91 (B1), JakeO_90 (B1), KLucky39_87 (B1), Karn_89 (B1), Katniss_91 (B1), Khan1_89 (B1), Kimbrough_90 (B1), KingTut_80 (B1), Kwadwo_88 (B1), Larson_91 (B1), LeeLot_87 (B1), Lego3393_87 (B1), Legolas_90 (B1), LemonSlice_89 (B1), Longacauda_90 (B1), Lopsy_85 (B1), LostAndPhound_88 (B1), LuckyMarjie_86 (B1), Lulumae_84 (B1), Lulwa_86 (B1), MRabcd_89 (B1), Mag7_87 (B1), Mana_86 (B1), Manad_88 (B1), Maskar_90 (B1), Matalotodo_87 (B1), Mecca_89 (B1), Megamind20_89 (B1), Megatron_90 (B1), MelsMeow_88 (B1), Mikota_84 (B1), Morgushi_86 (B1), Morty_89 (B1), Mosaic_86 (B1), Murdoc_85 (B1), Mutante_90 (B1), Nacho_0091 (B1), Newman_85 (B1), NiaNia_90 (B1), Nova1_88 (B1), Numberten_88 (B1), OSmaximus_90 (B1), Oline_88 (B1), Olive_85 (B1), OliverWalter_88 (B1), Omniscient_90 (B1), OneBrain_91 (B1), Oosterbaan_89 (B1), PallasAthena_90 (B1), Phamished_88 (B1), Phareon_86 (B1), PhatCats2014_88 (B1), PhatLouie_91 (B1), PhenghisKhan_89 (B1), Pherdinand_90 (B1), Phergie_89 (B1), Phipps_87 (B1), Phleuron_86 (B1), PhrankReynolds_87 (B1), PhrodoBaggins_91 (B1), Phunky_86 (B1), Piglet_0088 (B1), PinheadLarry_88 (B1), Pinkman_88 (B1), Pipsqueak_86 (B1), Plata_88 (B1), Plmatters_86 (B1), Podrick_87 (B1), Pops_86 (B1), Potter_83 (B1), Prickles_90 (B1), QueenBeane_89 (B1), Riggan_90 (B1), Robyn_91 (B1), Roliet_86 (B1), Roscoe_88 (B1), Roy17_86 (B1), SDcharge11_88 (B1), SallyH_92 (B1), Samaymay_89 (B1), Scoot17C_89 (B1), Serendipity_88 (B1), Serpentine_0090 (B1), Sheila_83 (B1), Sigman_88 (B1), SilverBell_90 (B1), SirBeauregard_90 (B1), Skippy_89 (B1), Slatt_89 (B1), Solosis_87 (B1), Sophia_87 (B1), Soto_86 (B1), Spartan300_88 (B1), Struggle_89 (B1), Suffolk_85 (B1), Surely_89 (B1), Swish_90 (B1), Taraxa_89 (B1), Telesworld_87 (B1), Thora_87 (B1), ThreeOh3D2_90 (B1), TomBombadil_89 (B1), Tomlarah_89 (B1), Toni_88 (B1), Tooj_86 (B1), True_87 (B1), Trypo_89 (B1), UAch1_90 (B1), UncleHowie_85 (B1), Vaticameos_86 (B1), Veritas_88 (B1), Virapocalypse_90 (B1), Virgeve_87 (B1), Vivaldi_89 (B1), Vortex_87 (B1), Wallhey_90 (B1), Windsor_89 (B1), Xavier_88 (B1), Yoshand_90 (B1), YouGoGlencoco_89 (B1), Zelda_89 (B1),

Start 8:

- Found in 312 of 314 (99.4%) of genes in pham
- Manual Annotations of this start: 123 of 286

- Called 40.1% of time when present
- Phage (with cluster) where this start called: AbsoluteMadLad_87 (B1), Adriana_89 (B1), Andre_91 (B1), AngelCake_88 (B1), Antonia_88 (B1), Apizium_87 (B1), Badfish_89 (B1), BatteryCK_87 (B1), BlueHusk_90 (B1), Boehler_87 (B1), Burr_89 (B1), CampRoach_89 (B1), Caspiboi_88 (B1), Chah_91 (B1), CharlieGBrown_87 (B1), Chunky_88 (B1), Cobra_89 (B1), Coletti_92 (B1), Cornbread_87 (B1), Craff_90 (B1), Crownjwl_86 (B1), DaddyDaniels_92 (B1), Daka_91 (B1), Dati_86 (B1), DelRivs_87 (B1), Derpp_88 (B1), Dice_88 (B1), DirtJuice_88 (B1), DoesntMatter_86 (B1), DuchessDung_86 (B1), Duggie_89 (B1), ElvisPhasley_90 (B1), Emiris_91 (B1), EmpTee_88 (B1), Eremos_87 (B1), Eugenia_91 (B1), Fang_90 (B1), FluffyNinja_90 (B1), Frankicide_87 (B1), FugateOSU_89 (B1), Gareth_89 (B1), Giraffe_89 (B1), Grand2040_87 (B1), Gwennie1_88 (B1), Gwilliam_89 (B1), HSavage_87 (B1), Hartsy_87 (B1), Held_87 (B1), HenryJackson_89 (B1), Hocus_87 (B1), Inverness_87 (B1), Iridessa_90 (B1), JDog_88 (B1), JacAttac_89 (B1), JangoPhett_87 (B1), Jesabah_91 (B1), Jillium_90 (B1), Jiminy_89 (B1), Jiraiya_90 (B1), Kahve_89 (B1), Kailash_87 (B1), Keitherie_92 (B1), Kikipoo_91 (B1), KingVeVeVe_87 (B1), KlimbOn_88 (B1), Kloppinator_89 (B1), Kwksand96_90 (B1), Labeouficaum_89 (B1), LasagnaCat_90 (B1), Lasso_88 (B1), Lehmann_90 (B1), LeiMonet_92 (B1), Lumine_90 (B1), Magic8_88 (B1), Maru_89 (B1), Mcshane_88 (B1), Melc17_86 (B1), Mesh1_90 (B1), Mesmerelda_88 (B1), MichaelPhcott_87 (B1), MiniBoss_85 (B1), MitKao_89 (B1), MrPhizzler_92 (B1), Mulan_88 (B1), Nathan_89 (B1), Nicole21_90 (B1), Nyala_88 (B1), Olak_88 (B1), Orfeu_88 (B1), Orion_87 (B1), Orwigg_88 (B1), PG1_87 (B1), Pacifista_88 (B1), Placalicious_87 (B1), ProfessorX_87 (B1), Puhltonio_85 (B1), Quisquiliae_91 (B1), RedMaple_88 (B1), RedRaider89_88 (B1), Ricotta_89 (B1), Rimu_87 (B1), Riverton_88 (B1), SassyCat97_87 (B1), Schueller_87 (B1), Scrick_88 (B1), Selr12_90 (B1), ShadowBud_89 (B1), ShiVal_87 (B1), Simielle_88 (B1), Soile_90 (B1), Squiggle_88 (B1), Swiphy_91 (B1), TallGrassMM_88 (B1), Thunderbird_89 (B1), Timmi_87 (B1), TooFast2Furius_88 (B1), Triad_89 (B1), TyrionL_89 (B1), Usavi_89 (B1), Valjean_87 (B1), Vista_88 (B1), Waterdiva_90 (B1), Weher20_86 (B1), Zaider_90 (B1), Zonia_89 (B1),

Start 10:

- Found in 2 of 314 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 286
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Causa_70 (A1), StAugustine_70 (A1),

Summary by clusters:

There are 2 clusters represented in this pham: A1, B1,

Info for manual annotations of cluster A1:

- Start number 10 was manually annotated 2 times for cluster A1.

Info for manual annotations of cluster B1:

- Start number 5 was manually annotated 2 times for cluster B1.
- Start number 7 was manually annotated 159 times for cluster B1.
- Start number 8 was manually annotated 123 times for cluster B1.

Gene Information:

Gene: ABU_87 Start: 64352, Stop: 64128, Start Num: 7
Candidate Starts for ABU_87:
(Start: 5 @64379 has 2 MA's), (Start: 7 @64352 has 159 MA's), (Start: 8 @64349 has 123 MA's), (9, 64328), (15, 64202), (18, 64139), (19, 64136),

Gene: AbsoluteMadLad_87 Start: 64302, Stop: 64081, Start Num: 8
Candidate Starts for AbsoluteMadLad_87:
(Start: 5 @64332 has 2 MA's), (Start: 7 @64305 has 159 MA's), (Start: 8 @64302 has 123 MA's), (9, 64281), (11, 64233), (15, 64155), (18, 64092), (19, 64089),

Gene: Adriana_89 Start: 64864, Stop: 64643, Start Num: 8
Candidate Starts for Adriana_89:
(Start: 5 @64894 has 2 MA's), (Start: 7 @64867 has 159 MA's), (Start: 8 @64864 has 123 MA's), (9, 64843), (15, 64717), (18, 64654), (19, 64651),

Gene: Aelin_88 Start: 63809, Stop: 63585, Start Num: 7
Candidate Starts for Aelin_88:
(2, 64190), (3, 64064), (Start: 5 @63836 has 2 MA's), (Start: 7 @63809 has 159 MA's), (Start: 8 @63806 has 123 MA's), (9, 63785), (15, 63659), (18, 63596), (19, 63593),

Gene: Aleia_88 Start: 63995, Stop: 63771, Start Num: 7
Candidate Starts for Aleia_88:
(Start: 5 @64022 has 2 MA's), (Start: 7 @63995 has 159 MA's), (Start: 8 @63992 has 123 MA's), (9, 63971), (15, 63845), (18, 63782), (19, 63779),

Gene: AltPhacts_86 Start: 63571, Stop: 63347, Start Num: 7
Candidate Starts for AltPhacts_86:
(Start: 5 @63598 has 2 MA's), (Start: 7 @63571 has 159 MA's), (Start: 8 @63568 has 123 MA's), (9, 63547), (15, 63421), (18, 63358), (19, 63355),

Gene: Altwerkus_86 Start: 63681, Stop: 63457, Start Num: 7
Candidate Starts for Altwerkus_86:
(Start: 5 @63708 has 2 MA's), (Start: 7 @63681 has 159 MA's), (Start: 8 @63678 has 123 MA's), (9, 63657), (15, 63531), (18, 63468), (19, 63465),

Gene: Anderson_90 Start: 64228, Stop: 64004, Start Num: 7
Candidate Starts for Anderson_90:
(Start: 5 @64255 has 2 MA's), (Start: 7 @64228 has 159 MA's), (Start: 8 @64225 has 123 MA's), (9, 64204), (15, 64078), (18, 64015), (19, 64012),

Gene: Andre_91 Start: 64247, Stop: 64026, Start Num: 8
Candidate Starts for Andre_91:
(Start: 5 @64277 has 2 MA's), (Start: 7 @64250 has 159 MA's), (Start: 8 @64247 has 123 MA's), (9, 64226), (15, 64100), (18, 64037), (19, 64034),

Gene: AngelCake_88 Start: 63974, Stop: 63753, Start Num: 8
Candidate Starts for AngelCake_88:
(Start: 5 @64004 has 2 MA's), (Start: 7 @63977 has 159 MA's), (Start: 8 @63974 has 123 MA's), (9, 63953), (15, 63827), (18, 63764), (19, 63761),

Gene: Antonia_88 Start: 63851, Stop: 63630, Start Num: 8
Candidate Starts for Antonia_88:

(Start: 5 @63881 has 2 MA's), (Start: 7 @63854 has 159 MA's), (Start: 8 @63851 has 123 MA's), (9, 63830), (11, 63782), (15, 63704), (18, 63641), (19, 63638),

Gene: Aonishiki_89 Start: 64190, Stop: 63939, Start Num: 5

Candidate Starts for Aonishiki_89:

(Start: 5 @64190 has 2 MA's), (Start: 7 @64163 has 159 MA's), (Start: 8 @64160 has 123 MA's), (9, 64139), (15, 64013), (18, 63950), (19, 63947),

Gene: Apizium_87 Start: 63506, Stop: 63285, Start Num: 8

Candidate Starts for Apizium_87:

(Start: 5 @63536 has 2 MA's), (Start: 7 @63509 has 159 MA's), (Start: 8 @63506 has 123 MA's), (9, 63485), (18, 63296), (19, 63293),

Gene: Ashraf_90 Start: 64341, Stop: 64117, Start Num: 7

Candidate Starts for Ashraf_90:

(Start: 5 @64368 has 2 MA's), (Start: 7 @64341 has 159 MA's), (Start: 8 @64338 has 123 MA's), (9, 64317), (15, 64191), (18, 64128), (19, 64125),

Gene: Badfish_89 Start: 64529, Stop: 64308, Start Num: 8

Candidate Starts for Badfish_89:

(Start: 5 @64559 has 2 MA's), (Start: 7 @64532 has 159 MA's), (Start: 8 @64529 has 123 MA's), (9, 64508), (15, 64382), (18, 64319), (19, 64316),

Gene: Banjo_85 Start: 63798, Stop: 63574, Start Num: 7

Candidate Starts for Banjo_85:

(Start: 5 @63825 has 2 MA's), (Start: 7 @63798 has 159 MA's), (Start: 8 @63795 has 123 MA's), (9, 63774), (15, 63648), (18, 63585), (19, 63582),

Gene: Basato_88 Start: 64263, Stop: 64039, Start Num: 7

Candidate Starts for Basato_88:

(Start: 5 @64290 has 2 MA's), (Start: 7 @64263 has 159 MA's), (Start: 8 @64260 has 123 MA's), (9, 64239), (15, 64113), (18, 64050), (19, 64047),

Gene: BatteryCK_87 Start: 63786, Stop: 63565, Start Num: 8

Candidate Starts for BatteryCK_87:

(Start: 5 @63816 has 2 MA's), (Start: 7 @63789 has 159 MA's), (Start: 8 @63786 has 123 MA's), (9, 63765), (15, 63639), (18, 63576), (19, 63573),

Gene: Beaglebox_85 Start: 63920, Stop: 63696, Start Num: 7

Candidate Starts for Beaglebox_85:

(Start: 5 @63947 has 2 MA's), (Start: 7 @63920 has 159 MA's), (Start: 8 @63917 has 123 MA's), (9, 63896), (15, 63770), (18, 63707), (19, 63704),

Gene: Bishoperium_89 Start: 64367, Stop: 64143, Start Num: 7

Candidate Starts for Bishoperium_89:

(Start: 5 @64394 has 2 MA's), (Start: 7 @64367 has 159 MA's), (Start: 8 @64364 has 123 MA's), (9, 64343), (15, 64217), (18, 64154), (19, 64151),

Gene: BlackStallion_88 Start: 64217, Stop: 63993, Start Num: 7

Candidate Starts for BlackStallion_88:

(Start: 5 @64244 has 2 MA's), (Start: 7 @64217 has 159 MA's), (Start: 8 @64214 has 123 MA's), (9, 64193), (15, 64067), (18, 64004), (19, 64001),

Gene: BlacksBerry_89 Start: 63742, Stop: 63518, Start Num: 7
Candidate Starts for BlacksBerry_89:
(Start: 5 @63769 has 2 MA's), (Start: 7 @63742 has 159 MA's), (Start: 8 @63739 has 123 MA's), (9, 63718), (15, 63592), (18, 63529), (19, 63526),

Gene: BlueHusk_90 Start: 64038, Stop: 63817, Start Num: 8
Candidate Starts for BlueHusk_90:
(Start: 5 @64068 has 2 MA's), (Start: 7 @64041 has 159 MA's), (Start: 8 @64038 has 123 MA's), (9, 64017), (15, 63891), (18, 63828), (19, 63825),

Gene: Bluephacebaby_88 Start: 64401, Stop: 64177, Start Num: 7
Candidate Starts for Bluephacebaby_88:
(Start: 5 @64428 has 2 MA's), (Start: 7 @64401 has 159 MA's), (Start: 8 @64398 has 123 MA's), (9, 64377), (15, 64251), (18, 64188), (19, 64185),

Gene: Boehler_87 Start: 64189, Stop: 63968, Start Num: 8
Candidate Starts for Boehler_87:
(Start: 5 @64219 has 2 MA's), (Start: 7 @64192 has 159 MA's), (Start: 8 @64189 has 123 MA's), (9, 64168), (15, 64042), (18, 63979), (19, 63976),

Gene: BoogieWoogie_88 Start: 63813, Stop: 63589, Start Num: 7
Candidate Starts for BoogieWoogie_88:
(Start: 5 @63840 has 2 MA's), (Start: 7 @63813 has 159 MA's), (Start: 8 @63810 has 123 MA's), (9, 63789), (11, 63741), (15, 63663), (18, 63600), (19, 63597),

Gene: Brilliant_92 Start: 64381, Stop: 64157, Start Num: 7
Candidate Starts for Brilliant_92:
(Start: 5 @64408 has 2 MA's), (Start: 7 @64381 has 159 MA's), (Start: 8 @64378 has 123 MA's), (9, 64357), (15, 64231), (18, 64168), (19, 64165),

Gene: Buckeye_88 Start: 64919, Stop: 64695, Start Num: 7
Candidate Starts for Buckeye_88:
(Start: 5 @64946 has 2 MA's), (Start: 7 @64919 has 159 MA's), (Start: 8 @64916 has 123 MA's), (9, 64895), (15, 64769), (18, 64706), (19, 64703),

Gene: Burr_89 Start: 63850, Stop: 63629, Start Num: 8
Candidate Starts for Burr_89:
(Start: 5 @63880 has 2 MA's), (Start: 7 @63853 has 159 MA's), (Start: 8 @63850 has 123 MA's), (9, 63829), (11, 63781), (15, 63703), (18, 63640), (19, 63637),

Gene: CamL_89 Start: 64152, Stop: 63928, Start Num: 7
Candidate Starts for CamL_89:
(Start: 5 @64179 has 2 MA's), (Start: 7 @64152 has 159 MA's), (Start: 8 @64149 has 123 MA's), (9, 64128), (15, 64002), (18, 63939), (19, 63936),

Gene: CampRoach_89 Start: 64246, Stop: 64025, Start Num: 8
Candidate Starts for CampRoach_89:
(Start: 5 @64276 has 2 MA's), (Start: 7 @64249 has 159 MA's), (Start: 8 @64246 has 123 MA's), (9, 64225), (15, 64099), (18, 64036), (19, 64033),

Gene: Cannibal_89 Start: 64255, Stop: 64031, Start Num: 7
Candidate Starts for Cannibal_89:

(Start: 5 @64282 has 2 MA's), (Start: 7 @64255 has 159 MA's), (Start: 8 @64252 has 123 MA's), (9, 64231), (15, 64105), (18, 64042), (19, 64039),

Gene: Carthage_90 Start: 63923, Stop: 63699, Start Num: 7

Candidate Starts for Carthage_90:

(2, 64298), (4, 64136), (Start: 7 @63923 has 159 MA's), (Start: 8 @63920 has 123 MA's), (9, 63899), (15, 63773), (18, 63710), (19, 63707),

Gene: Caspiboi_88 Start: 64085, Stop: 63864, Start Num: 8

Candidate Starts for Caspiboi_88:

(Start: 5 @64115 has 2 MA's), (Start: 7 @64088 has 159 MA's), (Start: 8 @64085 has 123 MA's), (9, 64064), (18, 63875), (19, 63872),

Gene: Causa_70 Start: 55449, Stop: 55255, Start Num: 10

Candidate Starts for Causa_70:

(Start: 10 @55449 has 2 MA's), (12, 55407), (13, 55362), (14, 55359), (15, 55332), (19, 55263),

Gene: Chaelin_90 Start: 64383, Stop: 64159, Start Num: 7

Candidate Starts for Chaelin_90:

(Start: 5 @64410 has 2 MA's), (Start: 7 @64383 has 159 MA's), (Start: 8 @64380 has 123 MA's), (9, 64359), (15, 64233), (18, 64170), (19, 64167),

Gene: Chah_91 Start: 63949, Stop: 63728, Start Num: 8

Candidate Starts for Chah_91:

(Start: 5 @63979 has 2 MA's), (Start: 7 @63952 has 159 MA's), (Start: 8 @63949 has 123 MA's), (9, 63928), (15, 63802), (18, 63739), (19, 63736),

Gene: Charles1_90 Start: 64161, Stop: 63937, Start Num: 7

Candidate Starts for Charles1_90:

(Start: 5 @64188 has 2 MA's), (Start: 7 @64161 has 159 MA's), (Start: 8 @64158 has 123 MA's), (9, 64137), (15, 64011), (18, 63948), (19, 63945),

Gene: CharlieGBrown_87 Start: 63881, Stop: 63660, Start Num: 8

Candidate Starts for CharlieGBrown_87:

(Start: 5 @63911 has 2 MA's), (Start: 7 @63884 has 159 MA's), (Start: 8 @63881 has 123 MA's), (9, 63860), (15, 63734), (18, 63671), (19, 63668),

Gene: CheetO_86 Start: 64258, Stop: 64034, Start Num: 7

Candidate Starts for CheetO_86:

(Start: 5 @64285 has 2 MA's), (Start: 7 @64258 has 159 MA's), (Start: 8 @64255 has 123 MA's), (9, 64234), (15, 64108), (18, 64045), (19, 64042),

Gene: Childish_89 Start: 64546, Stop: 64322, Start Num: 7

Candidate Starts for Childish_89:

(Start: 5 @64573 has 2 MA's), (Start: 7 @64546 has 159 MA's), (Start: 8 @64543 has 123 MA's), (9, 64522), (15, 64396), (18, 64333), (19, 64330),

Gene: Chipette_87 Start: 64083, Stop: 63859, Start Num: 7

Candidate Starts for Chipette_87:

(Start: 5 @64110 has 2 MA's), (Start: 7 @64083 has 159 MA's), (Start: 8 @64080 has 123 MA's), (9, 64059), (15, 63933), (18, 63870), (19, 63867),

Gene: Chorkpop_90 Start: 64009, Stop: 63785, Start Num: 7

Candidate Starts for Chorkpop_90:

(Start: 5 @64036 has 2 MA's), (Start: 7 @64009 has 159 MA's), (Start: 8 @64006 has 123 MA's), (9, 63985), (15, 63859), (18, 63796), (19, 63793),

Gene: Chuni_90 Start: 64594, Stop: 64370, Start Num: 7

Candidate Starts for Chuni_90:

(Start: 5 @64621 has 2 MA's), (Start: 7 @64594 has 159 MA's), (Start: 8 @64591 has 123 MA's), (9, 64570), (15, 64444), (18, 64381), (19, 64378),

Gene: Chunky_88 Start: 63851, Stop: 63630, Start Num: 8

Candidate Starts for Chunky_88:

(Start: 5 @63881 has 2 MA's), (Start: 7 @63854 has 159 MA's), (Start: 8 @63851 has 123 MA's), (9, 63830), (15, 63704), (18, 63641), (19, 63638),

Gene: Chute_89 Start: 64547, Stop: 64323, Start Num: 7

Candidate Starts for Chute_89:

(Start: 5 @64574 has 2 MA's), (Start: 7 @64547 has 159 MA's), (Start: 8 @64544 has 123 MA's), (9, 64523), (15, 64397), (18, 64334), (19, 64331),

Gene: Cobra_89 Start: 64375, Stop: 64154, Start Num: 8

Candidate Starts for Cobra_89:

(Start: 5 @64405 has 2 MA's), (Start: 7 @64378 has 159 MA's), (Start: 8 @64375 has 123 MA's), (9, 64354), (15, 64228), (18, 64165), (19, 64162),

Gene: Colbert_87 Start: 63276, Stop: 63052, Start Num: 7

Candidate Starts for Colbert_87:

(Start: 5 @63303 has 2 MA's), (Start: 7 @63276 has 159 MA's), (Start: 8 @63273 has 123 MA's), (9, 63252), (11, 63204), (15, 63126), (18, 63063), (19, 63060),

Gene: Coletti_92 Start: 64900, Stop: 64679, Start Num: 8

Candidate Starts for Coletti_92:

(Start: 5 @64930 has 2 MA's), (Start: 7 @64903 has 159 MA's), (Start: 8 @64900 has 123 MA's), (9, 64879), (15, 64753), (18, 64690), (19, 64687),

Gene: Cornbread_87 Start: 64033, Stop: 63812, Start Num: 8

Candidate Starts for Cornbread_87:

(Start: 5 @64063 has 2 MA's), (Start: 7 @64036 has 159 MA's), (Start: 8 @64033 has 123 MA's), (9, 64012), (15, 63886), (18, 63823), (19, 63820),

Gene: Cosmolli16_91 Start: 64724, Stop: 64500, Start Num: 7

Candidate Starts for Cosmolli16_91:

(Start: 5 @64751 has 2 MA's), (Start: 7 @64724 has 159 MA's), (Start: 8 @64721 has 123 MA's), (9, 64700), (15, 64574), (18, 64511), (19, 64508),

Gene: Craff_90 Start: 64764, Stop: 64543, Start Num: 8

Candidate Starts for Craff_90:

(Start: 5 @64794 has 2 MA's), (Start: 7 @64767 has 159 MA's), (Start: 8 @64764 has 123 MA's), (9, 64743), (15, 64617), (18, 64554), (19, 64551),

Gene: Crownjwl_86 Start: 64030, Stop: 63809, Start Num: 8

Candidate Starts for Crownjwl_86:

(Start: 5 @64060 has 2 MA's), (Start: 7 @64033 has 159 MA's), (Start: 8 @64030 has 123 MA's), (9, 64009), (15, 63883), (18, 63820), (19, 63817),

Gene: DaddyDaniels_92 Start: 64497, Stop: 64276, Start Num: 8
Candidate Starts for DaddyDaniels_92:
(Start: 5 @64527 has 2 MA's), (Start: 7 @64500 has 159 MA's), (Start: 8 @64497 has 123 MA's), (9, 64476), (15, 64350), (18, 64287), (19, 64284),

Gene: Daffy_88 Start: 63994, Stop: 63770, Start Num: 7
Candidate Starts for Daffy_88:
(Start: 5 @64021 has 2 MA's), (Start: 7 @63994 has 159 MA's), (Start: 8 @63991 has 123 MA's), (9, 63970), (15, 63844), (18, 63781), (19, 63778),

Gene: Daka_91 Start: 64196, Stop: 63975, Start Num: 8
Candidate Starts for Daka_91:
(Start: 5 @64226 has 2 MA's), (Start: 7 @64199 has 159 MA's), (Start: 8 @64196 has 123 MA's), (9, 64175), (11, 64127), (15, 64049), (18, 63986), (19, 63983),

Gene: Dati_86 Start: 64175, Stop: 63954, Start Num: 8
Candidate Starts for Dati_86:
(Start: 5 @64205 has 2 MA's), (Start: 7 @64178 has 159 MA's), (Start: 8 @64175 has 123 MA's), (9, 64154), (15, 64028), (18, 63965), (19, 63962),

Gene: DelRivs_87 Start: 63804, Stop: 63583, Start Num: 8
Candidate Starts for DelRivs_87:
(Start: 5 @63834 has 2 MA's), (Start: 7 @63807 has 159 MA's), (Start: 8 @63804 has 123 MA's), (9, 63783), (15, 63657), (18, 63594), (19, 63591),

Gene: Derpp_88 Start: 63914, Stop: 63693, Start Num: 8
Candidate Starts for Derpp_88:
(Start: 5 @63944 has 2 MA's), (Start: 7 @63917 has 159 MA's), (Start: 8 @63914 has 123 MA's), (9, 63893), (15, 63767), (18, 63704), (19, 63701),

Gene: Dice_88 Start: 63836, Stop: 63615, Start Num: 8
Candidate Starts for Dice_88:
(Start: 5 @63866 has 2 MA's), (Start: 7 @63839 has 159 MA's), (Start: 8 @63836 has 123 MA's), (9, 63815), (15, 63689), (18, 63626), (19, 63623),

Gene: Dingo_86 Start: 63560, Stop: 63336, Start Num: 7
Candidate Starts for Dingo_86:
(Start: 5 @63587 has 2 MA's), (Start: 7 @63560 has 159 MA's), (Start: 8 @63557 has 123 MA's), (9, 63536), (15, 63410), (18, 63347), (19, 63344),

Gene: Dione_87 Start: 63559, Stop: 63335, Start Num: 7
Candidate Starts for Dione_87:
(Start: 5 @63586 has 2 MA's), (Start: 7 @63559 has 159 MA's), (Start: 8 @63556 has 123 MA's), (9, 63535), (15, 63409), (18, 63346), (19, 63343),

Gene: DirtJuice_88 Start: 64296, Stop: 64075, Start Num: 8
Candidate Starts for DirtJuice_88:
(Start: 5 @64326 has 2 MA's), (Start: 7 @64299 has 159 MA's), (Start: 8 @64296 has 123 MA's), (9, 64275), (15, 64149), (18, 64086), (19, 64083),

Gene: Doddsville_86 Start: 63999, Stop: 63775, Start Num: 7
Candidate Starts for Doddsville_86:

(Start: 5 @64026 has 2 MA's), (Start: 7 @63999 has 159 MA's), (Start: 8 @63996 has 123 MA's), (9, 63975), (15, 63849), (18, 63786), (19, 63783),

Gene: DoesntMatter_86 Start: 63832, Stop: 63611, Start Num: 8

Candidate Starts for DoesntMatter_86:

(Start: 5 @63862 has 2 MA's), (Start: 7 @63835 has 159 MA's), (Start: 8 @63832 has 123 MA's), (9, 63811), (15, 63685), (18, 63622), (19, 63619),

Gene: DoIOn_93 Start: 65285, Stop: 65061, Start Num: 7

Candidate Starts for DoIOn_93:

(Start: 5 @65312 has 2 MA's), (Start: 7 @65285 has 159 MA's), (Start: 8 @65282 has 123 MA's), (9, 65261), (15, 65135), (18, 65072), (19, 65069),

Gene: DonSanchon_84 Start: 63517, Stop: 63293, Start Num: 7

Candidate Starts for DonSanchon_84:

(Start: 5 @63544 has 2 MA's), (Start: 7 @63517 has 159 MA's), (Start: 8 @63514 has 123 MA's), (9, 63493), (15, 63367), (18, 63304), (19, 63301),

Gene: DuchessDung_86 Start: 63512, Stop: 63291, Start Num: 8

Candidate Starts for DuchessDung_86:

(Start: 5 @63542 has 2 MA's), (Start: 7 @63515 has 159 MA's), (Start: 8 @63512 has 123 MA's), (9, 63491), (15, 63365), (18, 63302), (19, 63299),

Gene: Duggie_89 Start: 64138, Stop: 63917, Start Num: 8

Candidate Starts for Duggie_89:

(Start: 5 @64168 has 2 MA's), (Start: 7 @64141 has 159 MA's), (Start: 8 @64138 has 123 MA's), (9, 64117), (15, 63991), (18, 63928), (19, 63925),

Gene: Durga_91 Start: 64623, Stop: 64399, Start Num: 7

Candidate Starts for Durga_91:

(Start: 5 @64650 has 2 MA's), (Start: 7 @64623 has 159 MA's), (Start: 8 @64620 has 123 MA's), (9, 64599), (15, 64473), (18, 64410), (19, 64407),

Gene: ElvisPhasley_90 Start: 65162, Stop: 64941, Start Num: 8

Candidate Starts for ElvisPhasley_90:

(Start: 5 @65192 has 2 MA's), (Start: 7 @65165 has 159 MA's), (Start: 8 @65162 has 123 MA's), (9, 65141), (15, 65015), (18, 64952), (19, 64949),

Gene: EmGer13_88 Start: 63854, Stop: 63630, Start Num: 7

Candidate Starts for EmGer13_88:

(Start: 5 @63881 has 2 MA's), (Start: 7 @63854 has 159 MA's), (Start: 8 @63851 has 123 MA's), (9, 63830), (11, 63782), (15, 63704), (18, 63641), (19, 63638),

Gene: Emiris_91 Start: 64526, Stop: 64305, Start Num: 8

Candidate Starts for Emiris_91:

(Start: 5 @64556 has 2 MA's), (Start: 7 @64529 has 159 MA's), (Start: 8 @64526 has 123 MA's), (9, 64505), (15, 64379), (18, 64316), (19, 64313),

Gene: EmpTee_88 Start: 63928, Stop: 63707, Start Num: 8

Candidate Starts for EmpTee_88:

(Start: 5 @63958 has 2 MA's), (Start: 7 @63931 has 159 MA's), (Start: 8 @63928 has 123 MA's), (9, 63907), (11, 63859), (15, 63781), (18, 63718), (19, 63715),

Gene: Eremos_87 Start: 64218, Stop: 63997, Start Num: 8

Candidate Starts for Eremos_87:

(Start: 5 @64248 has 2 MA's), (Start: 7 @64221 has 159 MA's), (Start: 8 @64218 has 123 MA's), (9, 64197), (15, 64071), (18, 64008), (19, 64005),

Gene: Etaye_88 Start: 64707, Stop: 64483, Start Num: 7

Candidate Starts for Etaye_88:

(Start: 5 @64734 has 2 MA's), (Start: 7 @64707 has 159 MA's), (Start: 8 @64704 has 123 MA's), (9, 64683), (15, 64557), (18, 64494), (19, 64491),

Gene: Eugenia_91 Start: 64638, Stop: 64417, Start Num: 8

Candidate Starts for Eugenia_91:

(Start: 5 @64668 has 2 MA's), (Start: 7 @64641 has 159 MA's), (Start: 8 @64638 has 123 MA's), (9, 64617), (15, 64491), (18, 64428), (19, 64425),

Gene: Fang_90 Start: 64346, Stop: 64125, Start Num: 8

Candidate Starts for Fang_90:

(Start: 5 @64376 has 2 MA's), (Start: 7 @64349 has 159 MA's), (Start: 8 @64346 has 123 MA's), (9, 64325), (15, 64199), (18, 64136), (19, 64133),

Gene: Flake_88 Start: 64121, Stop: 63897, Start Num: 7

Candidate Starts for Flake_88:

(Start: 5 @64148 has 2 MA's), (Start: 7 @64121 has 159 MA's), (Start: 8 @64118 has 123 MA's), (9, 64097), (15, 63971), (18, 63908), (19, 63905),

Gene: FleetyMac_91 Start: 64031, Stop: 63807, Start Num: 7

Candidate Starts for FleetyMac_91:

(Start: 5 @64058 has 2 MA's), (Start: 7 @64031 has 159 MA's), (Start: 8 @64028 has 123 MA's), (9, 64007), (15, 63881), (18, 63818), (19, 63815),

Gene: FluffyNinja_90 Start: 64216, Stop: 63995, Start Num: 8

Candidate Starts for FluffyNinja_90:

(Start: 5 @64246 has 2 MA's), (Start: 7 @64219 has 159 MA's), (Start: 8 @64216 has 123 MA's), (9, 64195), (15, 64069), (18, 64006), (19, 64003),

Gene: Fozzie_86 Start: 64545, Stop: 64321, Start Num: 7

Candidate Starts for Fozzie_86:

(Start: 5 @64572 has 2 MA's), (Start: 7 @64545 has 159 MA's), (Start: 8 @64542 has 123 MA's), (9, 64521), (15, 64395), (18, 64332), (19, 64329),

Gene: Frankicide_87 Start: 64042, Stop: 63821, Start Num: 8

Candidate Starts for Frankicide_87:

(Start: 5 @64072 has 2 MA's), (Start: 7 @64045 has 159 MA's), (Start: 8 @64042 has 123 MA's), (9, 64021), (15, 63895), (18, 63832), (19, 63829),

Gene: FremontTroll_87 Start: 64458, Stop: 64234, Start Num: 7

Candidate Starts for FremontTroll_87:

(Start: 5 @64485 has 2 MA's), (Start: 7 @64458 has 159 MA's), (Start: 8 @64455 has 123 MA's), (9, 64434), (15, 64308), (18, 64245), (19, 64242),

Gene: Freya_85 Start: 63537, Stop: 63313, Start Num: 7

Candidate Starts for Freya_85:

(Start: 5 @63564 has 2 MA's), (Start: 7 @63537 has 159 MA's), (Start: 8 @63534 has 123 MA's), (9, 63513), (15, 63387), (18, 63324), (19, 63321),

Gene: FriarPreacher_86 Start: 63918, Stop: 63694, Start Num: 7

Candidate Starts for FriarPreacher_86:

(Start: 5 @63945 has 2 MA's), (Start: 7 @63918 has 159 MA's), (Start: 8 @63915 has 123 MA's), (9, 63894), (15, 63768), (18, 63705), (19, 63702),

Gene: Fringe_93 Start: 64695, Stop: 64471, Start Num: 7

Candidate Starts for Fringe_93:

(Start: 5 @64722 has 2 MA's), (Start: 7 @64695 has 159 MA's), (Start: 8 @64692 has 123 MA's), (9, 64671), (15, 64545), (18, 64482), (19, 64479),

Gene: FugateOSU_89 Start: 64975, Stop: 64754, Start Num: 8

Candidate Starts for FugateOSU_89:

(Start: 5 @65005 has 2 MA's), (Start: 7 @64978 has 159 MA's), (Start: 8 @64975 has 123 MA's), (9, 64954), (15, 64828), (18, 64765), (19, 64762),

Gene: Gareth_89 Start: 64364, Stop: 64143, Start Num: 8

Candidate Starts for Gareth_89:

(Start: 5 @64394 has 2 MA's), (Start: 7 @64367 has 159 MA's), (Start: 8 @64364 has 123 MA's), (9, 64343), (15, 64217), (18, 64154), (19, 64151),

Gene: GeneCoco_89 Start: 64547, Stop: 64323, Start Num: 7

Candidate Starts for GeneCoco_89:

(Start: 5 @64574 has 2 MA's), (Start: 7 @64547 has 159 MA's), (Start: 8 @64544 has 123 MA's), (9, 64523), (15, 64397), (18, 64334), (19, 64331),

Gene: Giraffe_89 Start: 64368, Stop: 64147, Start Num: 8

Candidate Starts for Giraffe_89:

(Start: 5 @64398 has 2 MA's), (Start: 7 @64371 has 159 MA's), (Start: 8 @64368 has 123 MA's), (9, 64347), (15, 64221), (18, 64158), (19, 64155),

Gene: Gophee_88 Start: 64358, Stop: 64134, Start Num: 7

Candidate Starts for Gophee_88:

(Start: 5 @64385 has 2 MA's), (Start: 7 @64358 has 159 MA's), (Start: 8 @64355 has 123 MA's), (9, 64334), (11, 64286), (15, 64208), (18, 64145), (19, 64142),

Gene: Grand2040_87 Start: 64333, Stop: 64112, Start Num: 8

Candidate Starts for Grand2040_87:

(Start: 5 @64363 has 2 MA's), (Start: 7 @64336 has 159 MA's), (Start: 8 @64333 has 123 MA's), (9, 64312), (15, 64186), (18, 64123), (19, 64120),

Gene: GreenChile_88 Start: 64031, Stop: 63807, Start Num: 7

Candidate Starts for GreenChile_88:

(Start: 5 @64058 has 2 MA's), (Start: 7 @64031 has 159 MA's), (Start: 8 @64028 has 123 MA's), (9, 64007), (15, 63881), (18, 63818), (19, 63815),

Gene: Gwennie1_88 Start: 64179, Stop: 63958, Start Num: 8

Candidate Starts for Gwennie1_88:

(Start: 5 @64209 has 2 MA's), (Start: 7 @64182 has 159 MA's), (Start: 8 @64179 has 123 MA's), (9, 64158), (15, 64032), (18, 63969), (19, 63966),

Gene: Gwilliam_89 Start: 64899, Stop: 64678, Start Num: 8
Candidate Starts for Gwilliam_89:
(Start: 5 @64929 has 2 MA's), (Start: 7 @64902 has 159 MA's), (Start: 8 @64899 has 123 MA's), (9, 64878), (15, 64752), (18, 64689), (19, 64686),

Gene: Gyarad_0088 Start: 63856, Stop: 63632, Start Num: 7
Candidate Starts for Gyarad_0088:
(Start: 5 @63883 has 2 MA's), (Start: 7 @63856 has 159 MA's), (Start: 8 @63853 has 123 MA's), (9, 63832), (15, 63706), (18, 63643), (19, 63640),

Gene: HSavage_87 Start: 63870, Stop: 63649, Start Num: 8
Candidate Starts for HSavage_87:
(Start: 5 @63900 has 2 MA's), (Start: 7 @63873 has 159 MA's), (Start: 8 @63870 has 123 MA's), (9, 63849), (15, 63723), (18, 63660), (19, 63657),

Gene: Haimas_86 Start: 63798, Stop: 63574, Start Num: 7
Candidate Starts for Haimas_86:
(Start: 5 @63825 has 2 MA's), (Start: 7 @63798 has 159 MA's), (Start: 8 @63795 has 123 MA's), (9, 63774), (15, 63648), (18, 63585), (19, 63582),

Gene: Haleema_88 Start: 63917, Stop: 63693, Start Num: 7
Candidate Starts for Haleema_88:
(Start: 5 @63944 has 2 MA's), (Start: 7 @63917 has 159 MA's), (Start: 8 @63914 has 123 MA's), (9, 63893), (15, 63767), (18, 63704), (19, 63701),

Gene: Hamish_86 Start: 64086, Stop: 63862, Start Num: 7
Candidate Starts for Hamish_86:
(Start: 5 @64113 has 2 MA's), (Start: 7 @64086 has 159 MA's), (Start: 8 @64083 has 123 MA's), (9, 64062), (15, 63936), (18, 63873), (19, 63870),

Gene: Happabalu_87 Start: 65012, Stop: 64788, Start Num: 7
Candidate Starts for Happabalu_87:
(Start: 5 @65039 has 2 MA's), (Start: 7 @65012 has 159 MA's), (Start: 8 @65009 has 123 MA's), (9, 64988), (15, 64862), (18, 64799), (19, 64796),

Gene: Hartsy_87 Start: 64032, Stop: 63811, Start Num: 8
Candidate Starts for Hartsy_87:
(Start: 5 @64062 has 2 MA's), (Start: 7 @64035 has 159 MA's), (Start: 8 @64032 has 123 MA's), (9, 64011), (15, 63885), (18, 63822), (19, 63819),

Gene: Harvey_86 Start: 63695, Stop: 63471, Start Num: 7
Candidate Starts for Harvey_86:
(Start: 5 @63722 has 2 MA's), (Start: 7 @63695 has 159 MA's), (Start: 8 @63692 has 123 MA's), (9, 63671), (15, 63545), (18, 63482), (19, 63479),

Gene: Hekos_87 Start: 63710, Stop: 63486, Start Num: 7
Candidate Starts for Hekos_87:
(Start: 5 @63737 has 2 MA's), (Start: 7 @63710 has 159 MA's), (Start: 8 @63707 has 123 MA's), (9, 63686), (15, 63560), (18, 63497), (19, 63494),

Gene: Held_87 Start: 63813, Stop: 63592, Start Num: 8
Candidate Starts for Held_87:

(Start: 5 @63843 has 2 MA's), (Start: 7 @63816 has 159 MA's), (Start: 8 @63813 has 123 MA's), (9, 63792), (15, 63666), (18, 63603), (19, 63600),

Gene: HenryJackson_89 Start: 64532, Stop: 64311, Start Num: 8

Candidate Starts for HenryJackson_89:

(Start: 5 @64562 has 2 MA's), (Start: 7 @64535 has 159 MA's), (Start: 8 @64532 has 123 MA's), (9, 64511), (15, 64385), (18, 64322), (19, 64319),

Gene: Hertubise_88 Start: 64177, Stop: 63953, Start Num: 7

Candidate Starts for Hertubise_88:

(Start: 5 @64204 has 2 MA's), (Start: 7 @64177 has 159 MA's), (Start: 8 @64174 has 123 MA's), (9, 64153), (15, 64027), (18, 63964), (19, 63961),

Gene: Hetaeria_89 Start: 64184, Stop: 63960, Start Num: 7

Candidate Starts for Hetaeria_89:

(Start: 5 @64211 has 2 MA's), (Start: 7 @64184 has 159 MA's), (Start: 8 @64181 has 123 MA's), (9, 64160), (11, 64112), (15, 64034), (18, 63971), (19, 63968),

Gene: HighStump_90 Start: 64322, Stop: 64098, Start Num: 7

Candidate Starts for HighStump_90:

(Start: 5 @64349 has 2 MA's), (Start: 7 @64322 has 159 MA's), (Start: 8 @64319 has 123 MA's), (9, 64298), (15, 64172), (18, 64109), (19, 64106),

Gene: Hocus_87 Start: 63833, Stop: 63612, Start Num: 8

Candidate Starts for Hocus_87:

(Start: 5 @63863 has 2 MA's), (Start: 7 @63836 has 159 MA's), (Start: 8 @63833 has 123 MA's), (9, 63812), (15, 63686), (18, 63623), (19, 63620),

Gene: HogWash_89 Start: 64849, Stop: 64625, Start Num: 7

Candidate Starts for HogWash_89:

(Start: 5 @64876 has 2 MA's), (Start: 7 @64849 has 159 MA's), (Start: 8 @64846 has 123 MA's), (9, 64825), (15, 64699), (18, 64636), (19, 64633),

Gene: Horchata_84 Start: 64013, Stop: 63789, Start Num: 7

Candidate Starts for Horchata_84:

(Start: 5 @64040 has 2 MA's), (Start: 7 @64013 has 159 MA's), (Start: 8 @64010 has 123 MA's), (9, 63989), (15, 63863), (18, 63800), (19, 63797),

Gene: ImtiyazSitla_90 Start: 64341, Stop: 64117, Start Num: 7

Candidate Starts for ImtiyazSitla_90:

(Start: 5 @64368 has 2 MA's), (Start: 7 @64341 has 159 MA's), (Start: 8 @64338 has 123 MA's), (9, 64317), (15, 64191), (18, 64128), (19, 64125),

Gene: Inchworm_90 Start: 64209, Stop: 63985, Start Num: 7

Candidate Starts for Inchworm_90:

(Start: 5 @64236 has 2 MA's), (Start: 7 @64209 has 159 MA's), (Start: 8 @64206 has 123 MA's), (9, 64185), (15, 64059), (18, 63996), (19, 63993),

Gene: Inverness_87 Start: 64007, Stop: 63786, Start Num: 8

Candidate Starts for Inverness_87:

(Start: 5 @64037 has 2 MA's), (Start: 7 @64010 has 159 MA's), (Start: 8 @64007 has 123 MA's), (9, 63986), (15, 63860), (18, 63797), (19, 63794),

Gene: Iridessa_90 Start: 63931, Stop: 63710, Start Num: 8
Candidate Starts for Iridessa_90:
(Start: 5 @63961 has 2 MA's), (Start: 7 @63934 has 159 MA's), (Start: 8 @63931 has 123 MA's), (9, 63910), (15, 63784), (18, 63721), (19, 63718),

Gene: Iridoclysis_88 Start: 64100, Stop: 63876, Start Num: 7
Candidate Starts for Iridoclysis_88:
(Start: 5 @64127 has 2 MA's), (Start: 7 @64100 has 159 MA's), (Start: 8 @64097 has 123 MA's), (9, 64076), (15, 63950), (18, 63887), (19, 63884),

Gene: IsaacEli_91 Start: 64340, Stop: 64116, Start Num: 7
Candidate Starts for IsaacEli_91:
(Start: 5 @64367 has 2 MA's), (Start: 7 @64340 has 159 MA's), (Start: 8 @64337 has 123 MA's), (9, 64316), (15, 64190), (18, 64127), (19, 64124),

Gene: JDog_88 Start: 64367, Stop: 64146, Start Num: 8
Candidate Starts for JDog_88:
(Start: 5 @64397 has 2 MA's), (Start: 7 @64370 has 159 MA's), (Start: 8 @64367 has 123 MA's), (9, 64346), (15, 64220), (18, 64157), (19, 64154),

Gene: JacAttac_89 Start: 63811, Stop: 63590, Start Num: 8
Candidate Starts for JacAttac_89:
(Start: 5 @63841 has 2 MA's), (Start: 7 @63814 has 159 MA's), (Start: 8 @63811 has 123 MA's), (9, 63790), (15, 63664), (18, 63601), (19, 63598),

Gene: JakeO_90 Start: 64098, Stop: 63874, Start Num: 7
Candidate Starts for JakeO_90:
(Start: 5 @64125 has 2 MA's), (Start: 7 @64098 has 159 MA's), (Start: 8 @64095 has 123 MA's), (9, 64074), (15, 63948), (18, 63885), (19, 63882),

Gene: JangoPhett_87 Start: 64171, Stop: 63950, Start Num: 8
Candidate Starts for JangoPhett_87:
(Start: 5 @64201 has 2 MA's), (Start: 7 @64174 has 159 MA's), (Start: 8 @64171 has 123 MA's), (9, 64150), (15, 64024), (18, 63961), (19, 63958),

Gene: Jesabah_91 Start: 64933, Stop: 64712, Start Num: 8
Candidate Starts for Jesabah_91:
(Start: 5 @64963 has 2 MA's), (Start: 7 @64936 has 159 MA's), (Start: 8 @64933 has 123 MA's), (9, 64912), (15, 64786), (18, 64723), (19, 64720),

Gene: Jillium_90 Start: 64527, Stop: 64306, Start Num: 8
Candidate Starts for Jillium_90:
(Start: 5 @64557 has 2 MA's), (Start: 7 @64530 has 159 MA's), (Start: 8 @64527 has 123 MA's), (15, 64380), (18, 64317), (19, 64314),

Gene: Jiminy_89 Start: 64031, Stop: 63810, Start Num: 8
Candidate Starts for Jiminy_89:
(Start: 5 @64061 has 2 MA's), (Start: 7 @64034 has 159 MA's), (Start: 8 @64031 has 123 MA's), (9, 64010), (15, 63884), (18, 63821), (19, 63818),

Gene: Jiraiya_90 Start: 64115, Stop: 63894, Start Num: 8
Candidate Starts for Jiraiya_90:

(Start: 5 @64145 has 2 MA's), (Start: 7 @64118 has 159 MA's), (Start: 8 @64115 has 123 MA's), (9, 64094), (15, 63968), (18, 63905), (19, 63902),

Gene: KLucky39_87 Start: 63893, Stop: 63669, Start Num: 7

Candidate Starts for KLucky39_87:

(Start: 5 @63920 has 2 MA's), (Start: 7 @63893 has 159 MA's), (Start: 8 @63890 has 123 MA's), (9, 63869), (15, 63743), (18, 63680), (19, 63677),

Gene: Kahve_89 Start: 64530, Stop: 64309, Start Num: 8

Candidate Starts for Kahve_89:

(Start: 5 @64560 has 2 MA's), (Start: 7 @64533 has 159 MA's), (Start: 8 @64530 has 123 MA's), (9, 64509), (15, 64383), (18, 64320), (19, 64317),

Gene: Kailash_87 Start: 64230, Stop: 64009, Start Num: 8

Candidate Starts for Kailash_87:

(Start: 5 @64260 has 2 MA's), (Start: 7 @64233 has 159 MA's), (Start: 8 @64230 has 123 MA's), (9, 64209), (15, 64083), (18, 64020), (19, 64017),

Gene: Karn_89 Start: 64089, Stop: 63865, Start Num: 7

Candidate Starts for Karn_89:

(Start: 5 @64116 has 2 MA's), (Start: 7 @64089 has 159 MA's), (Start: 8 @64086 has 123 MA's), (9, 64065), (15, 63939), (18, 63876), (19, 63873),

Gene: Katniss_91 Start: 63949, Stop: 63725, Start Num: 7

Candidate Starts for Katniss_91:

(Start: 5 @63976 has 2 MA's), (Start: 7 @63949 has 159 MA's), (Start: 8 @63946 has 123 MA's), (9, 63925), (15, 63799), (18, 63736), (19, 63733),

Gene: Keitherie_92 Start: 64588, Stop: 64367, Start Num: 8

Candidate Starts for Keitherie_92:

(Start: 5 @64618 has 2 MA's), (Start: 7 @64591 has 159 MA's), (Start: 8 @64588 has 123 MA's), (9, 64567), (15, 64441), (18, 64378), (19, 64375),

Gene: Khan1_89 Start: 64312, Stop: 64088, Start Num: 7

Candidate Starts for Khan1_89:

(Start: 5 @64339 has 2 MA's), (Start: 7 @64312 has 159 MA's), (Start: 8 @64309 has 123 MA's), (9, 64288), (15, 64162), (18, 64099), (19, 64096),

Gene: Kikipoo_91 Start: 64337, Stop: 64116, Start Num: 8

Candidate Starts for Kikipoo_91:

(Start: 5 @64367 has 2 MA's), (Start: 7 @64340 has 159 MA's), (Start: 8 @64337 has 123 MA's), (9, 64316), (15, 64190), (18, 64127), (19, 64124),

Gene: Kimbrough_90 Start: 64412, Stop: 64188, Start Num: 7

Candidate Starts for Kimbrough_90:

(Start: 5 @64439 has 2 MA's), (Start: 7 @64412 has 159 MA's), (Start: 8 @64409 has 123 MA's), (9, 64388), (15, 64262), (18, 64199), (19, 64196),

Gene: KingTut_80 Start: 60572, Stop: 60348, Start Num: 7

Candidate Starts for KingTut_80:

(Start: 5 @60599 has 2 MA's), (Start: 7 @60572 has 159 MA's), (Start: 8 @60569 has 123 MA's), (9, 60548), (15, 60422), (18, 60359), (19, 60356),

Gene: KingVeVeVe_87 Start: 63543, Stop: 63322, Start Num: 8
Candidate Starts for KingVeVeVe_87:
(Start: 5 @63573 has 2 MA's), (Start: 7 @63546 has 159 MA's), (Start: 8 @63543 has 123 MA's), (9, 63522), (15, 63396), (18, 63333), (19, 63330),

Gene: KlimbOn_88 Start: 63849, Stop: 63628, Start Num: 8
Candidate Starts for KlimbOn_88:
(Start: 5 @63879 has 2 MA's), (Start: 7 @63852 has 159 MA's), (Start: 8 @63849 has 123 MA's), (9, 63828), (15, 63702), (18, 63639), (19, 63636),

Gene: Kloppinator_89 Start: 63979, Stop: 63758, Start Num: 8
Candidate Starts for Kloppinator_89:
(Start: 5 @64009 has 2 MA's), (Start: 7 @63982 has 159 MA's), (Start: 8 @63979 has 123 MA's), (9, 63958), (15, 63832), (18, 63769), (19, 63766),

Gene: Kwadwo_88 Start: 63837, Stop: 63613, Start Num: 7
Candidate Starts for Kwadwo_88:
(Start: 5 @63864 has 2 MA's), (Start: 7 @63837 has 159 MA's), (Start: 8 @63834 has 123 MA's), (9, 63813), (15, 63687), (18, 63624), (19, 63621),

Gene: Kwksand96_90 Start: 64101, Stop: 63880, Start Num: 8
Candidate Starts for Kwksand96_90:
(Start: 5 @64131 has 2 MA's), (Start: 7 @64104 has 159 MA's), (Start: 8 @64101 has 123 MA's), (9, 64080), (15, 63954), (18, 63891), (19, 63888),

Gene: Labeouficaum_89 Start: 63914, Stop: 63693, Start Num: 8
Candidate Starts for Labeouficaum_89:
(Start: 5 @63944 has 2 MA's), (Start: 7 @63917 has 159 MA's), (Start: 8 @63914 has 123 MA's), (9, 63893), (15, 63767), (18, 63704), (19, 63701),

Gene: Larson_91 Start: 64181, Stop: 63957, Start Num: 7
Candidate Starts for Larson_91:
(Start: 5 @64208 has 2 MA's), (Start: 7 @64181 has 159 MA's), (Start: 8 @64178 has 123 MA's), (9, 64157), (15, 64031), (18, 63968), (19, 63965),

Gene: LasagnaCat_90 Start: 64216, Stop: 63995, Start Num: 8
Candidate Starts for LasagnaCat_90:
(Start: 5 @64246 has 2 MA's), (Start: 7 @64219 has 159 MA's), (Start: 8 @64216 has 123 MA's), (9, 64195), (15, 64069), (18, 64006), (19, 64003),

Gene: Lasso_88 Start: 64075, Stop: 63854, Start Num: 8
Candidate Starts for Lasso_88:
(Start: 5 @64105 has 2 MA's), (Start: 7 @64078 has 159 MA's), (Start: 8 @64075 has 123 MA's), (9, 64054), (15, 63928), (18, 63865), (19, 63862),

Gene: LeeLot_87 Start: 64422, Stop: 64198, Start Num: 7
Candidate Starts for LeeLot_87:
(Start: 5 @64449 has 2 MA's), (Start: 7 @64422 has 159 MA's), (Start: 8 @64419 has 123 MA's), (9, 64398), (15, 64272), (18, 64209), (19, 64206),

Gene: Lego3393_87 Start: 64539, Stop: 64315, Start Num: 7
Candidate Starts for Lego3393_87:

(Start: 5 @64566 has 2 MA's), (Start: 7 @64539 has 159 MA's), (Start: 8 @64536 has 123 MA's), (9, 64515), (15, 64389), (18, 64326), (19, 64323),

Gene: Legolas_90 Start: 64166, Stop: 63942, Start Num: 7

Candidate Starts for Legolas_90:

(Start: 5 @64193 has 2 MA's), (Start: 7 @64166 has 159 MA's), (Start: 8 @64163 has 123 MA's), (9, 64142), (15, 64016), (18, 63953), (19, 63950),

Gene: Lehmann_90 Start: 64426, Stop: 64205, Start Num: 8

Candidate Starts for Lehmann_90:

(Start: 5 @64456 has 2 MA's), (Start: 7 @64429 has 159 MA's), (Start: 8 @64426 has 123 MA's), (9, 64405), (11, 64357), (18, 64216), (19, 64213),

Gene: LeiMonet_92 Start: 64297, Stop: 64076, Start Num: 8

Candidate Starts for LeiMonet_92:

(Start: 5 @64327 has 2 MA's), (Start: 7 @64300 has 159 MA's), (Start: 8 @64297 has 123 MA's), (9, 64276), (15, 64150), (18, 64087), (19, 64084),

Gene: LemonSlice_89 Start: 63825, Stop: 63601, Start Num: 7

Candidate Starts for LemonSlice_89:

(Start: 5 @63852 has 2 MA's), (Start: 7 @63825 has 159 MA's), (Start: 8 @63822 has 123 MA's), (9, 63801), (15, 63675), (18, 63612), (19, 63609),

Gene: Longacauda_90 Start: 64319, Stop: 64095, Start Num: 7

Candidate Starts for Longacauda_90:

(Start: 5 @64346 has 2 MA's), (Start: 7 @64319 has 159 MA's), (Start: 8 @64316 has 123 MA's), (9, 64295), (15, 64169), (18, 64106), (19, 64103),

Gene: Lopsy_85 Start: 63558, Stop: 63334, Start Num: 7

Candidate Starts for Lopsy_85:

(1, 64101), (2, 63939), (3, 63813), (Start: 5 @63585 has 2 MA's), (Start: 7 @63558 has 159 MA's), (Start: 8 @63555 has 123 MA's), (9, 63534), (11, 63486), (17, 63378), (18, 63345), (19, 63342),

Gene: LostAndPhound_88 Start: 64367, Stop: 64143, Start Num: 7

Candidate Starts for LostAndPhound_88:

(Start: 5 @64394 has 2 MA's), (Start: 7 @64367 has 159 MA's), (Start: 8 @64364 has 123 MA's), (9, 64343), (15, 64217), (18, 64154), (19, 64151),

Gene: LuckyMarjie_86 Start: 63577, Stop: 63353, Start Num: 7

Candidate Starts for LuckyMarjie_86:

(Start: 5 @63604 has 2 MA's), (Start: 7 @63577 has 159 MA's), (Start: 8 @63574 has 123 MA's), (9, 63553), (15, 63427), (18, 63364), (19, 63361),

Gene: Lulumae_84 Start: 63558, Stop: 63334, Start Num: 7

Candidate Starts for Lulumae_84:

(Start: 5 @63585 has 2 MA's), (Start: 7 @63558 has 159 MA's), (Start: 8 @63555 has 123 MA's), (9, 63534), (15, 63408), (18, 63345), (19, 63342),

Gene: Lulwa_86 Start: 63191, Stop: 62967, Start Num: 7

Candidate Starts for Lulwa_86:

(Start: 5 @63218 has 2 MA's), (Start: 7 @63191 has 159 MA's), (Start: 8 @63188 has 123 MA's), (9, 63167), (15, 63041), (18, 62978), (19, 62975),

Gene: Lumine_90 Start: 64013, Stop: 63792, Start Num: 8

Candidate Starts for Lumine_90:

(Start: 5 @64043 has 2 MA's), (Start: 7 @64016 has 159 MA's), (Start: 8 @64013 has 123 MA's), (9, 63992), (15, 63866), (18, 63803), (19, 63800),

Gene: MRabcd_89 Start: 64293, Stop: 64069, Start Num: 7

Candidate Starts for MRabcd_89:

(Start: 5 @64320 has 2 MA's), (Start: 7 @64293 has 159 MA's), (Start: 8 @64290 has 123 MA's), (9, 64269), (15, 64143), (18, 64080), (19, 64077),

Gene: Mag7_87 Start: 63777, Stop: 63553, Start Num: 7

Candidate Starts for Mag7_87:

(Start: 5 @63804 has 2 MA's), (Start: 7 @63777 has 159 MA's), (Start: 8 @63774 has 123 MA's), (9, 63753), (15, 63627), (18, 63564), (19, 63561),

Gene: Magic8_88 Start: 64142, Stop: 63921, Start Num: 8

Candidate Starts for Magic8_88:

(Start: 5 @64172 has 2 MA's), (Start: 7 @64145 has 159 MA's), (Start: 8 @64142 has 123 MA's), (9, 64121), (15, 63995), (18, 63932), (19, 63929),

Gene: Mana_86 Start: 63981, Stop: 63757, Start Num: 7

Candidate Starts for Mana_86:

(Start: 5 @64008 has 2 MA's), (Start: 7 @63981 has 159 MA's), (Start: 8 @63978 has 123 MA's), (9, 63957), (15, 63831), (18, 63768), (19, 63765),

Gene: Manad_88 Start: 64091, Stop: 63867, Start Num: 7

Candidate Starts for Manad_88:

(Start: 5 @64118 has 2 MA's), (Start: 7 @64091 has 159 MA's), (Start: 8 @64088 has 123 MA's), (9, 64067), (15, 63941), (18, 63878), (19, 63875),

Gene: Maru_89 Start: 64426, Stop: 64205, Start Num: 8

Candidate Starts for Maru_89:

(Start: 5 @64456 has 2 MA's), (Start: 7 @64429 has 159 MA's), (Start: 8 @64426 has 123 MA's), (9, 64405), (15, 64279), (18, 64216), (19, 64213),

Gene: Maskar_90 Start: 64341, Stop: 64117, Start Num: 7

Candidate Starts for Maskar_90:

(Start: 5 @64368 has 2 MA's), (Start: 7 @64341 has 159 MA's), (Start: 8 @64338 has 123 MA's), (9, 64317), (15, 64191), (18, 64128), (19, 64125),

Gene: Matalotodo_87 Start: 64825, Stop: 64601, Start Num: 7

Candidate Starts for Matalotodo_87:

(Start: 5 @64852 has 2 MA's), (Start: 7 @64825 has 159 MA's), (Start: 8 @64822 has 123 MA's), (9, 64801), (15, 64675), (18, 64612), (19, 64609),

Gene: Mcshane_88 Start: 63836, Stop: 63615, Start Num: 8

Candidate Starts for Mcshane_88:

(Start: 5 @63866 has 2 MA's), (Start: 7 @63839 has 159 MA's), (Start: 8 @63836 has 123 MA's), (9, 63815), (15, 63689), (18, 63626), (19, 63623),

Gene: Mecca_89 Start: 64393, Stop: 64169, Start Num: 7

Candidate Starts for Mecca_89:

(Start: 5 @64420 has 2 MA's), (Start: 7 @64393 has 159 MA's), (Start: 8 @64390 has 123 MA's), (9, 64369), (15, 64243), (18, 64180), (19, 64177),

Gene: Megamind20_89 Start: 63803, Stop: 63579, Start Num: 7

Candidate Starts for Megamind20_89:

(Start: 5 @63830 has 2 MA's), (Start: 7 @63803 has 159 MA's), (Start: 8 @63800 has 123 MA's), (9, 63779), (15, 63653), (18, 63590), (19, 63587),

Gene: Megatron_90 Start: 64511, Stop: 64287, Start Num: 7

Candidate Starts for Megatron_90:

(Start: 5 @64538 has 2 MA's), (Start: 7 @64511 has 159 MA's), (Start: 8 @64508 has 123 MA's), (9, 64487), (11, 64439), (15, 64361), (18, 64298), (19, 64295),

Gene: Melc17_86 Start: 64458, Stop: 64237, Start Num: 8

Candidate Starts for Melc17_86:

(Start: 5 @64488 has 2 MA's), (Start: 7 @64461 has 159 MA's), (Start: 8 @64458 has 123 MA's), (9, 64437), (15, 64311), (18, 64248), (19, 64245),

Gene: MelsMeow_88 Start: 64101, Stop: 63877, Start Num: 7

Candidate Starts for MelsMeow_88:

(Start: 5 @64128 has 2 MA's), (Start: 7 @64101 has 159 MA's), (Start: 8 @64098 has 123 MA's), (9, 64077), (15, 63951), (18, 63888), (19, 63885),

Gene: Mesh1_90 Start: 64554, Stop: 64333, Start Num: 8

Candidate Starts for Mesh1_90:

(Start: 5 @64581 has 2 MA's), (6, 64557), (Start: 8 @64554 has 123 MA's), (9, 64533), (15, 64407), (18, 64344), (19, 64341),

Gene: Mesmerelda_88 Start: 64389, Stop: 64168, Start Num: 8

Candidate Starts for Mesmerelda_88:

(Start: 5 @64419 has 2 MA's), (Start: 7 @64392 has 159 MA's), (Start: 8 @64389 has 123 MA's), (9, 64368), (15, 64242), (18, 64179), (19, 64176),

Gene: MichaelPhcott_87 Start: 63771, Stop: 63550, Start Num: 8

Candidate Starts for MichaelPhcott_87:

(Start: 5 @63801 has 2 MA's), (Start: 7 @63774 has 159 MA's), (Start: 8 @63771 has 123 MA's), (9, 63750), (15, 63624), (18, 63561), (19, 63558),

Gene: Mikota_84 Start: 63545, Stop: 63321, Start Num: 7

Candidate Starts for Mikota_84:

(Start: 5 @63572 has 2 MA's), (Start: 7 @63545 has 159 MA's), (Start: 8 @63542 has 123 MA's), (9, 63521), (15, 63395), (18, 63332), (19, 63329),

Gene: MiniBoss_85 Start: 63142, Stop: 62921, Start Num: 8

Candidate Starts for MiniBoss_85:

(Start: 5 @63172 has 2 MA's), (Start: 7 @63145 has 159 MA's), (Start: 8 @63142 has 123 MA's), (9, 63121), (15, 62995), (18, 62932), (19, 62929),

Gene: MitKao_89 Start: 63992, Stop: 63771, Start Num: 8

Candidate Starts for MitKao_89:

(Start: 5 @64022 has 2 MA's), (Start: 7 @63995 has 159 MA's), (Start: 8 @63992 has 123 MA's), (9, 63971), (15, 63845), (18, 63782), (19, 63779),

Gene: Morgushi_86 Start: 63809, Stop: 63585, Start Num: 7

Candidate Starts for Morgushi_86:

(Start: 5 @63836 has 2 MA's), (Start: 7 @63809 has 159 MA's), (Start: 8 @63806 has 123 MA's), (9, 63785), (15, 63659), (18, 63596), (19, 63593),

Gene: Morty_89 Start: 64381, Stop: 64157, Start Num: 7

Candidate Starts for Morty_89:

(Start: 5 @64408 has 2 MA's), (Start: 7 @64381 has 159 MA's), (Start: 8 @64378 has 123 MA's), (9, 64357), (15, 64231), (18, 64168), (19, 64165),

Gene: Mosaic_86 Start: 63991, Stop: 63767, Start Num: 7

Candidate Starts for Mosaic_86:

(Start: 5 @64018 has 2 MA's), (Start: 7 @63991 has 159 MA's), (Start: 8 @63988 has 123 MA's), (9, 63967), (15, 63841), (18, 63778), (19, 63775),

Gene: MrPhizzler_92 Start: 64286, Stop: 64065, Start Num: 8

Candidate Starts for MrPhizzler_92:

(Start: 5 @64316 has 2 MA's), (Start: 7 @64289 has 159 MA's), (Start: 8 @64286 has 123 MA's), (9, 64265), (15, 64139), (18, 64076), (19, 64073),

Gene: Mulan_88 Start: 64020, Stop: 63799, Start Num: 8

Candidate Starts for Mulan_88:

(Start: 5 @64050 has 2 MA's), (Start: 7 @64023 has 159 MA's), (Start: 8 @64020 has 123 MA's), (9, 63999), (15, 63873), (18, 63810), (19, 63807),

Gene: Murdoc_85 Start: 64102, Stop: 63878, Start Num: 7

Candidate Starts for Murdoc_85:

(Start: 5 @64129 has 2 MA's), (Start: 7 @64102 has 159 MA's), (Start: 8 @64099 has 123 MA's), (9, 64078), (15, 63952), (18, 63889), (19, 63886),

Gene: Mutante_90 Start: 63996, Stop: 63772, Start Num: 7

Candidate Starts for Mutante_90:

(Start: 5 @64023 has 2 MA's), (Start: 7 @63996 has 159 MA's), (Start: 8 @63993 has 123 MA's), (9, 63972), (15, 63846), (18, 63783), (19, 63780),

Gene: Nacho_0091 Start: 65067, Stop: 64843, Start Num: 7

Candidate Starts for Nacho_0091:

(Start: 5 @65094 has 2 MA's), (Start: 7 @65067 has 159 MA's), (Start: 8 @65064 has 123 MA's), (9, 65043), (15, 64917), (18, 64854), (19, 64851),

Gene: Nathan_89 Start: 64519, Stop: 64298, Start Num: 8

Candidate Starts for Nathan_89:

(Start: 5 @64549 has 2 MA's), (Start: 7 @64522 has 159 MA's), (Start: 8 @64519 has 123 MA's), (9, 64498), (15, 64372), (18, 64309), (19, 64306),

Gene: Newman_85 Start: 64344, Stop: 64120, Start Num: 7

Candidate Starts for Newman_85:

(Start: 5 @64371 has 2 MA's), (Start: 7 @64344 has 159 MA's), (Start: 8 @64341 has 123 MA's), (9, 64320), (15, 64194), (18, 64131), (19, 64128),

Gene: NiaNia_90 Start: 63868, Stop: 63644, Start Num: 7

Candidate Starts for NiaNia_90:

(Start: 5 @63895 has 2 MA's), (Start: 7 @63868 has 159 MA's), (Start: 8 @63865 has 123 MA's), (9, 63844), (15, 63718), (18, 63655), (19, 63652),

Gene: Nicole21_90 Start: 64126, Stop: 63905, Start Num: 8

Candidate Starts for Nicole21_90:

(Start: 5 @64156 has 2 MA's), (Start: 7 @64129 has 159 MA's), (Start: 8 @64126 has 123 MA's), (9, 64105), (15, 63979), (18, 63916), (19, 63913),

Gene: Nova1_88 Start: 63975, Stop: 63751, Start Num: 7

Candidate Starts for Nova1_88:

(Start: 5 @64002 has 2 MA's), (Start: 7 @63975 has 159 MA's), (Start: 8 @63972 has 123 MA's), (9, 63951), (15, 63825), (18, 63762), (19, 63759),

Gene: Numberten_88 Start: 64111, Stop: 63887, Start Num: 7

Candidate Starts for Numberten_88:

(Start: 5 @64138 has 2 MA's), (Start: 7 @64111 has 159 MA's), (Start: 8 @64108 has 123 MA's), (9, 64087), (15, 63961), (18, 63898), (19, 63895),

Gene: Nyala_88 Start: 63842, Stop: 63621, Start Num: 8

Candidate Starts for Nyala_88:

(Start: 5 @63872 has 2 MA's), (Start: 7 @63845 has 159 MA's), (Start: 8 @63842 has 123 MA's), (9, 63821), (15, 63695), (18, 63632), (19, 63629),

Gene: OSmaximus_90 Start: 64676, Stop: 64452, Start Num: 7

Candidate Starts for OSmaximus_90:

(Start: 5 @64703 has 2 MA's), (Start: 7 @64676 has 159 MA's), (Start: 8 @64673 has 123 MA's), (9, 64652), (15, 64526), (18, 64463), (19, 64460),

Gene: Olak_88 Start: 64006, Stop: 63785, Start Num: 8

Candidate Starts for Olak_88:

(Start: 5 @64036 has 2 MA's), (Start: 7 @64009 has 159 MA's), (Start: 8 @64006 has 123 MA's), (9, 63985), (15, 63859), (18, 63796), (19, 63793),

Gene: Oline_88 Start: 64000, Stop: 63776, Start Num: 7

Candidate Starts for Oline_88:

(Start: 5 @64027 has 2 MA's), (Start: 7 @64000 has 159 MA's), (Start: 8 @63997 has 123 MA's), (9, 63976), (15, 63850), (18, 63787), (19, 63784),

Gene: Olive_85 Start: 64241, Stop: 64017, Start Num: 7

Candidate Starts for Olive_85:

(Start: 5 @64268 has 2 MA's), (Start: 7 @64241 has 159 MA's), (Start: 8 @64238 has 123 MA's), (9, 64217), (15, 64091), (18, 64028), (19, 64025),

Gene: OliverWalter_88 Start: 64296, Stop: 64072, Start Num: 7

Candidate Starts for OliverWalter_88:

(Start: 5 @64323 has 2 MA's), (Start: 7 @64296 has 159 MA's), (Start: 8 @64293 has 123 MA's), (9, 64272), (15, 64146), (18, 64083), (19, 64080),

Gene: Omniscient_90 Start: 64699, Stop: 64475, Start Num: 7

Candidate Starts for Omniscient_90:

(Start: 5 @64726 has 2 MA's), (Start: 7 @64699 has 159 MA's), (Start: 8 @64696 has 123 MA's), (9, 64675), (15, 64549), (18, 64486), (19, 64483),

Gene: OneBrain_91 Start: 64260, Stop: 64036, Start Num: 7
Candidate Starts for OneBrain_91:
(Start: 5 @64287 has 2 MA's), (Start: 7 @64260 has 159 MA's), (Start: 8 @64257 has 123 MA's), (9, 64236), (15, 64110), (18, 64047), (19, 64044),

Gene: Oosterbaan_89 Start: 64236, Stop: 64012, Start Num: 7
Candidate Starts for Oosterbaan_89:
(Start: 5 @64263 has 2 MA's), (Start: 7 @64236 has 159 MA's), (Start: 8 @64233 has 123 MA's), (9, 64212), (15, 64086), (16, 64065), (18, 64023), (19, 64020),

Gene: Orfeu_88 Start: 64356, Stop: 64135, Start Num: 8
Candidate Starts for Orfeu_88:
(Start: 5 @64386 has 2 MA's), (Start: 7 @64359 has 159 MA's), (Start: 8 @64356 has 123 MA's), (9, 64335), (15, 64209), (18, 64146), (19, 64143),

Gene: Orion_87 Start: 63926, Stop: 63705, Start Num: 8
Candidate Starts for Orion_87:
(Start: 5 @63956 has 2 MA's), (Start: 7 @63929 has 159 MA's), (Start: 8 @63926 has 123 MA's), (9, 63905), (15, 63779), (18, 63716), (19, 63713),

Gene: Orwigg_88 Start: 63762, Stop: 63541, Start Num: 8
Candidate Starts for Orwigg_88:
(Start: 5 @63792 has 2 MA's), (Start: 7 @63765 has 159 MA's), (Start: 8 @63762 has 123 MA's), (9, 63741), (15, 63615), (18, 63552), (19, 63549),

Gene: PG1_87 Start: 64498, Stop: 64277, Start Num: 8
Candidate Starts for PG1_87:
(Start: 5 @64528 has 2 MA's), (Start: 7 @64501 has 159 MA's), (Start: 8 @64498 has 123 MA's), (9, 64477), (15, 64351), (18, 64288), (19, 64285),

Gene: Pacifista_88 Start: 63847, Stop: 63626, Start Num: 8
Candidate Starts for Pacifista_88:
(Start: 5 @63877 has 2 MA's), (Start: 7 @63850 has 159 MA's), (Start: 8 @63847 has 123 MA's), (9, 63826), (15, 63700), (18, 63637), (19, 63634),

Gene: PallasAthena_90 Start: 63831, Stop: 63607, Start Num: 7
Candidate Starts for PallasAthena_90:
(Start: 5 @63858 has 2 MA's), (Start: 7 @63831 has 159 MA's), (Start: 8 @63828 has 123 MA's), (9, 63807), (15, 63681), (18, 63618), (19, 63615),

Gene: Phamished_88 Start: 64017, Stop: 63793, Start Num: 7
Candidate Starts for Phamished_88:
(Start: 5 @64044 has 2 MA's), (Start: 7 @64017 has 159 MA's), (Start: 8 @64014 has 123 MA's), (9, 63993), (15, 63867), (18, 63804), (19, 63801),

Gene: Phareon_86 Start: 63542, Stop: 63318, Start Num: 7
Candidate Starts for Phareon_86:
(Start: 5 @63569 has 2 MA's), (Start: 7 @63542 has 159 MA's), (Start: 8 @63539 has 123 MA's), (9, 63518), (15, 63392), (18, 63329), (19, 63326),

Gene: PhatCats2014_88 Start: 64501, Stop: 64277, Start Num: 7
Candidate Starts for PhatCats2014_88:

(Start: 5 @64528 has 2 MA's), (Start: 7 @64501 has 159 MA's), (Start: 8 @64498 has 123 MA's), (9, 64477), (11, 64429), (15, 64351), (18, 64288), (19, 64285),

Gene: PhatLouie_91 Start: 64375, Stop: 64151, Start Num: 7

Candidate Starts for PhatLouie_91:

(Start: 5 @64402 has 2 MA's), (Start: 7 @64375 has 159 MA's), (Start: 8 @64372 has 123 MA's), (9, 64351), (15, 64225), (18, 64162), (19, 64159),

Gene: PhenghisKhan_89 Start: 64006, Stop: 63782, Start Num: 7

Candidate Starts for PhenghisKhan_89:

(Start: 5 @64033 has 2 MA's), (Start: 7 @64006 has 159 MA's), (Start: 8 @64003 has 123 MA's), (9, 63982), (15, 63856), (18, 63793), (19, 63790),

Gene: Pherdinand_90 Start: 64221, Stop: 63997, Start Num: 7

Candidate Starts for Pherdinand_90:

(Start: 5 @64248 has 2 MA's), (Start: 7 @64221 has 159 MA's), (Start: 8 @64218 has 123 MA's), (9, 64197), (15, 64071), (18, 64008), (19, 64005),

Gene: Phergie_89 Start: 63995, Stop: 63771, Start Num: 7

Candidate Starts for Phergie_89:

(Start: 5 @64022 has 2 MA's), (Start: 7 @63995 has 159 MA's), (Start: 8 @63992 has 123 MA's), (9, 63971), (15, 63845), (18, 63782), (19, 63779),

Gene: Phipps_87 Start: 64073, Stop: 63849, Start Num: 7

Candidate Starts for Phipps_87:

(Start: 5 @64100 has 2 MA's), (Start: 7 @64073 has 159 MA's), (Start: 8 @64070 has 123 MA's), (9, 64049), (15, 63923), (18, 63860), (19, 63857),

Gene: Phleuron_86 Start: 63807, Stop: 63583, Start Num: 7

Candidate Starts for Phleuron_86:

(Start: 5 @63834 has 2 MA's), (Start: 7 @63807 has 159 MA's), (Start: 8 @63804 has 123 MA's), (9, 63783), (15, 63657), (18, 63594), (19, 63591),

Gene: PhrankReynolds_87 Start: 64000, Stop: 63776, Start Num: 7

Candidate Starts for PhrankReynolds_87:

(Start: 5 @64027 has 2 MA's), (Start: 7 @64000 has 159 MA's), (Start: 8 @63997 has 123 MA's), (9, 63976), (15, 63850), (18, 63787), (19, 63784),

Gene: PhrodoBaggins_91 Start: 64376, Stop: 64152, Start Num: 7

Candidate Starts for PhrodoBaggins_91:

(Start: 5 @64403 has 2 MA's), (Start: 7 @64376 has 159 MA's), (Start: 8 @64373 has 123 MA's), (9, 64352), (15, 64226), (18, 64163), (19, 64160),

Gene: Phunky_86 Start: 63879, Stop: 63655, Start Num: 7

Candidate Starts for Phunky_86:

(Start: 5 @63906 has 2 MA's), (Start: 7 @63879 has 159 MA's), (Start: 8 @63876 has 123 MA's), (9, 63855), (15, 63729), (18, 63666), (19, 63663),

Gene: Piglet_0088 Start: 64495, Stop: 64271, Start Num: 7

Candidate Starts for Piglet_0088:

(Start: 5 @64522 has 2 MA's), (Start: 7 @64495 has 159 MA's), (Start: 8 @64492 has 123 MA's), (9, 64471), (15, 64345), (18, 64282), (19, 64279),

Gene: PinheadLarry_88 Start: 64146, Stop: 63922, Start Num: 7
Candidate Starts for PinheadLarry_88:
(Start: 5 @64173 has 2 MA's), (Start: 7 @64146 has 159 MA's), (Start: 8 @64143 has 123 MA's), (9, 64122), (15, 63996), (18, 63933), (19, 63930),

Gene: Pinkman_88 Start: 64219, Stop: 63995, Start Num: 7
Candidate Starts for Pinkman_88:
(Start: 5 @64246 has 2 MA's), (Start: 7 @64219 has 159 MA's), (Start: 8 @64216 has 123 MA's), (9, 64195), (15, 64069), (18, 64006), (19, 64003),

Gene: Pipsqueak_86 Start: 63832, Stop: 63608, Start Num: 7
Candidate Starts for Pipsqueak_86:
(Start: 5 @63859 has 2 MA's), (Start: 7 @63832 has 159 MA's), (Start: 8 @63829 has 123 MA's), (9, 63808), (15, 63682), (18, 63619), (19, 63616),

Gene: Placalicious_87 Start: 64862, Stop: 64641, Start Num: 8
Candidate Starts for Placalicious_87:
(Start: 5 @64892 has 2 MA's), (Start: 7 @64865 has 159 MA's), (Start: 8 @64862 has 123 MA's), (9, 64841), (15, 64715), (18, 64652), (19, 64649),

Gene: Plata_88 Start: 64087, Stop: 63863, Start Num: 7
Candidate Starts for Plata_88:
(Start: 5 @64114 has 2 MA's), (Start: 7 @64087 has 159 MA's), (Start: 8 @64084 has 123 MA's), (9, 64063), (15, 63937), (18, 63874), (19, 63871),

Gene: Plmatters_86 Start: 63820, Stop: 63596, Start Num: 7
Candidate Starts for Plmatters_86:
(Start: 5 @63847 has 2 MA's), (Start: 7 @63820 has 159 MA's), (Start: 8 @63817 has 123 MA's), (9, 63796), (15, 63670), (18, 63607), (19, 63604),

Gene: Podrick_87 Start: 63908, Stop: 63684, Start Num: 7
Candidate Starts for Podrick_87:
(Start: 5 @63935 has 2 MA's), (Start: 7 @63908 has 159 MA's), (Start: 8 @63905 has 123 MA's), (9, 63884), (15, 63758), (18, 63695), (19, 63692),

Gene: Pops_86 Start: 64010, Stop: 63786, Start Num: 7
Candidate Starts for Pops_86:
(Start: 5 @64037 has 2 MA's), (Start: 7 @64010 has 159 MA's), (Start: 8 @64007 has 123 MA's), (9, 63986), (15, 63860), (18, 63797), (19, 63794),

Gene: Potter_83 Start: 63829, Stop: 63605, Start Num: 7
Candidate Starts for Potter_83:
(Start: 5 @63856 has 2 MA's), (Start: 7 @63829 has 159 MA's), (Start: 8 @63826 has 123 MA's), (9, 63805), (15, 63679), (18, 63616), (19, 63613),

Gene: Prickles_90 Start: 64198, Stop: 63974, Start Num: 7
Candidate Starts for Prickles_90:
(Start: 5 @64225 has 2 MA's), (Start: 7 @64198 has 159 MA's), (Start: 8 @64195 has 123 MA's), (9, 64174), (11, 64126), (15, 64048), (18, 63985), (19, 63982),

Gene: ProfessorX_87 Start: 63863, Stop: 63642, Start Num: 8
Candidate Starts for ProfessorX_87:

(Start: 5 @63893 has 2 MA's), (Start: 7 @63866 has 159 MA's), (Start: 8 @63863 has 123 MA's), (9, 63842), (11, 63794), (15, 63716), (18, 63653), (19, 63650),

Gene: Puhltonio_85 Start: 64100, Stop: 63879, Start Num: 8

Candidate Starts for Puhltonio_85:

(Start: 5 @64130 has 2 MA's), (Start: 7 @64103 has 159 MA's), (Start: 8 @64100 has 123 MA's), (9, 64079), (15, 63953), (18, 63890), (19, 63887),

Gene: QueenBeane_89 Start: 64152, Stop: 63928, Start Num: 7

Candidate Starts for QueenBeane_89:

(Start: 5 @64179 has 2 MA's), (Start: 7 @64152 has 159 MA's), (Start: 8 @64149 has 123 MA's), (9, 64128), (15, 64002), (18, 63939), (19, 63936),

Gene: Quisquilliae_91 Start: 64160, Stop: 63939, Start Num: 8

Candidate Starts for Quisquilliae_91:

(Start: 5 @64190 has 2 MA's), (Start: 7 @64163 has 159 MA's), (Start: 8 @64160 has 123 MA's), (9, 64139), (15, 64013), (18, 63950), (19, 63947),

Gene: RedMaple_88 Start: 64763, Stop: 64542, Start Num: 8

Candidate Starts for RedMaple_88:

(Start: 5 @64793 has 2 MA's), (Start: 7 @64766 has 159 MA's), (Start: 8 @64763 has 123 MA's), (9, 64742), (15, 64616), (18, 64553), (19, 64550),

Gene: RedRaider89_88 Start: 64449, Stop: 64228, Start Num: 8

Candidate Starts for RedRaider89_88:

(Start: 5 @64479 has 2 MA's), (Start: 7 @64452 has 159 MA's), (Start: 8 @64449 has 123 MA's), (9, 64428), (15, 64302), (18, 64239), (19, 64236),

Gene: Ricotta_89 Start: 63845, Stop: 63624, Start Num: 8

Candidate Starts for Ricotta_89:

(Start: 5 @63875 has 2 MA's), (Start: 7 @63848 has 159 MA's), (Start: 8 @63845 has 123 MA's), (9, 63824), (15, 63698), (18, 63635), (19, 63632),

Gene: Riggan_90 Start: 64333, Stop: 64109, Start Num: 7

Candidate Starts for Riggan_90:

(Start: 5 @64360 has 2 MA's), (Start: 7 @64333 has 159 MA's), (Start: 8 @64330 has 123 MA's), (9, 64309), (15, 64183), (18, 64120), (19, 64117),

Gene: Rimu_87 Start: 64309, Stop: 64088, Start Num: 8

Candidate Starts for Rimu_87:

(Start: 5 @64339 has 2 MA's), (Start: 7 @64312 has 159 MA's), (Start: 8 @64309 has 123 MA's), (9, 64288), (15, 64162), (18, 64099), (19, 64096),

Gene: Riverton_88 Start: 64089, Stop: 63868, Start Num: 8

Candidate Starts for Riverton_88:

(Start: 5 @64119 has 2 MA's), (Start: 7 @64092 has 159 MA's), (Start: 8 @64089 has 123 MA's), (9, 64068), (15, 63942), (18, 63879), (19, 63876),

Gene: Robyn_91 Start: 64591, Stop: 64367, Start Num: 7

Candidate Starts for Robyn_91:

(2, 64966), (4, 64804), (Start: 7 @64591 has 159 MA's), (Start: 8 @64588 has 123 MA's), (9, 64567), (15, 64441), (18, 64378), (19, 64375),

Gene: Roliet_86 Start: 63193, Stop: 62969, Start Num: 7
Candidate Starts for Roliet_86:
(Start: 5 @63220 has 2 MA's), (Start: 7 @63193 has 159 MA's), (Start: 8 @63190 has 123 MA's), (9, 63169), (15, 63043), (18, 62980), (19, 62977),

Gene: Roscoe_88 Start: 64453, Stop: 64229, Start Num: 7
Candidate Starts for Roscoe_88:
(Start: 5 @64480 has 2 MA's), (Start: 7 @64453 has 159 MA's), (Start: 8 @64450 has 123 MA's), (9, 64429), (15, 64303), (18, 64240), (19, 64237),

Gene: Roy17_86 Start: 63558, Stop: 63334, Start Num: 7
Candidate Starts for Roy17_86:
(Start: 5 @63585 has 2 MA's), (Start: 7 @63558 has 159 MA's), (Start: 8 @63555 has 123 MA's), (9, 63534), (15, 63408), (18, 63345), (19, 63342),

Gene: SDcharge11_88 Start: 63486, Stop: 63262, Start Num: 7
Candidate Starts for SDcharge11_88:
(Start: 5 @63513 has 2 MA's), (Start: 7 @63486 has 159 MA's), (Start: 8 @63483 has 123 MA's), (9, 63462), (11, 63414), (15, 63336), (18, 63273), (19, 63270),

Gene: SallyH_92 Start: 64092, Stop: 63868, Start Num: 7
Candidate Starts for SallyH_92:
(Start: 5 @64119 has 2 MA's), (Start: 7 @64092 has 159 MA's), (Start: 8 @64089 has 123 MA's), (9, 64068), (15, 63942), (18, 63879), (19, 63876),

Gene: Samaymay_89 Start: 64152, Stop: 63928, Start Num: 7
Candidate Starts for Samaymay_89:
(Start: 5 @64179 has 2 MA's), (Start: 7 @64152 has 159 MA's), (Start: 8 @64149 has 123 MA's), (9, 64128), (15, 64002), (18, 63939), (19, 63936),

Gene: SassyCat97_87 Start: 63817, Stop: 63596, Start Num: 8
Candidate Starts for SassyCat97_87:
(Start: 5 @63847 has 2 MA's), (Start: 7 @63820 has 159 MA's), (Start: 8 @63817 has 123 MA's), (9, 63796), (15, 63670), (18, 63607), (19, 63604),

Gene: Schueller_87 Start: 64091, Stop: 63870, Start Num: 8
Candidate Starts for Schueller_87:
(Start: 5 @64121 has 2 MA's), (Start: 7 @64094 has 159 MA's), (Start: 8 @64091 has 123 MA's), (9, 64070), (15, 63944), (18, 63881), (19, 63878),

Gene: Scoot17C_89 Start: 63933, Stop: 63709, Start Num: 7
Candidate Starts for Scoot17C_89:
(Start: 5 @63960 has 2 MA's), (Start: 7 @63933 has 159 MA's), (Start: 8 @63930 has 123 MA's), (9, 63909), (15, 63783), (18, 63720), (19, 63717),

Gene: Scrick_88 Start: 63831, Stop: 63610, Start Num: 8
Candidate Starts for Scrick_88:
(Start: 5 @63861 has 2 MA's), (Start: 7 @63834 has 159 MA's), (Start: 8 @63831 has 123 MA's), (9, 63810), (15, 63684), (18, 63621), (19, 63618),

Gene: Selr12_90 Start: 63872, Stop: 63651, Start Num: 8
Candidate Starts for Selr12_90:

(Start: 5 @63902 has 2 MA's), (Start: 7 @63875 has 159 MA's), (Start: 8 @63872 has 123 MA's), (9, 63851), (15, 63725), (18, 63662), (19, 63659),

Gene: Serendipity_88 Start: 64306, Stop: 64082, Start Num: 7

Candidate Starts for Serendipity_88:

(Start: 5 @64333 has 2 MA's), (Start: 7 @64306 has 159 MA's), (Start: 8 @64303 has 123 MA's), (9, 64282), (15, 64156), (18, 64093), (19, 64090),

Gene: Serpentine_0090 Start: 64387, Stop: 64163, Start Num: 7

Candidate Starts for Serpentine_0090:

(Start: 5 @64414 has 2 MA's), (Start: 7 @64387 has 159 MA's), (Start: 8 @64384 has 123 MA's), (9, 64363), (15, 64237), (18, 64174), (19, 64171),

Gene: ShadowBud_89 Start: 64157, Stop: 63936, Start Num: 8

Candidate Starts for ShadowBud_89:

(Start: 5 @64187 has 2 MA's), (Start: 7 @64160 has 159 MA's), (Start: 8 @64157 has 123 MA's), (9, 64136), (15, 64010), (18, 63947), (19, 63944),

Gene: Sheila_83 Start: 63399, Stop: 63175, Start Num: 7

Candidate Starts for Sheila_83:

(Start: 5 @63426 has 2 MA's), (Start: 7 @63399 has 159 MA's), (Start: 8 @63396 has 123 MA's), (9, 63375), (15, 63249), (18, 63186), (19, 63183),

Gene: ShiVal_87 Start: 63854, Stop: 63633, Start Num: 8

Candidate Starts for ShiVal_87:

(Start: 5 @63884 has 2 MA's), (Start: 7 @63857 has 159 MA's), (Start: 8 @63854 has 123 MA's), (9, 63833), (15, 63707), (18, 63644), (19, 63641),

Gene: Sigman_88 Start: 63814, Stop: 63590, Start Num: 7

Candidate Starts for Sigman_88:

(Start: 5 @63841 has 2 MA's), (Start: 7 @63814 has 159 MA's), (Start: 8 @63811 has 123 MA's), (9, 63790), (15, 63664), (18, 63601), (19, 63598),

Gene: SilverBell_90 Start: 64267, Stop: 64043, Start Num: 7

Candidate Starts for SilverBell_90:

(Start: 5 @64294 has 2 MA's), (Start: 7 @64267 has 159 MA's), (Start: 8 @64264 has 123 MA's), (9, 64243), (15, 64117), (18, 64054), (19, 64051),

Gene: Simielle_88 Start: 63796, Stop: 63575, Start Num: 8

Candidate Starts for Simielle_88:

(Start: 5 @63826 has 2 MA's), (Start: 7 @63799 has 159 MA's), (Start: 8 @63796 has 123 MA's), (9, 63775), (15, 63649), (18, 63586), (19, 63583),

Gene: SirBeauregard_90 Start: 64380, Stop: 64156, Start Num: 7

Candidate Starts for SirBeauregard_90:

(Start: 5 @64407 has 2 MA's), (Start: 7 @64380 has 159 MA's), (Start: 8 @64377 has 123 MA's), (9, 64356), (15, 64230), (18, 64167), (19, 64164),

Gene: Skippy_89 Start: 64228, Stop: 64004, Start Num: 7

Candidate Starts for Skippy_89:

(Start: 5 @64255 has 2 MA's), (Start: 7 @64228 has 159 MA's), (Start: 8 @64225 has 123 MA's), (9, 64204), (15, 64078), (18, 64015), (19, 64012),

Gene: Slatt_89 Start: 64115, Stop: 63891, Start Num: 7

Candidate Starts for Slatt_89:

(Start: 5 @64142 has 2 MA's), (Start: 7 @64115 has 159 MA's), (Start: 8 @64112 has 123 MA's), (9, 64091), (15, 63965), (18, 63902), (19, 63899),

Gene: Soile_90 Start: 64350, Stop: 64129, Start Num: 8

Candidate Starts for Soile_90:

(Start: 5 @64380 has 2 MA's), (Start: 7 @64353 has 159 MA's), (Start: 8 @64350 has 123 MA's), (9, 64329), (15, 64203), (18, 64140), (19, 64137),

Gene: Solosis_87 Start: 63821, Stop: 63597, Start Num: 7

Candidate Starts for Solosis_87:

(Start: 5 @63848 has 2 MA's), (Start: 7 @63821 has 159 MA's), (Start: 8 @63818 has 123 MA's), (9, 63797), (18, 63608), (19, 63605),

Gene: Sophia_87 Start: 63809, Stop: 63585, Start Num: 7

Candidate Starts for Sophia_87:

(Start: 5 @63836 has 2 MA's), (Start: 7 @63809 has 159 MA's), (Start: 8 @63806 has 123 MA's), (9, 63785), (15, 63659), (18, 63596), (19, 63593),

Gene: Soto_86 Start: 63526, Stop: 63302, Start Num: 7

Candidate Starts for Soto_86:

(Start: 5 @63553 has 2 MA's), (Start: 7 @63526 has 159 MA's), (Start: 8 @63523 has 123 MA's), (9, 63502), (11, 63454), (15, 63376), (18, 63313), (19, 63310),

Gene: Spartan300_88 Start: 64071, Stop: 63847, Start Num: 7

Candidate Starts for Spartan300_88:

(Start: 5 @64098 has 2 MA's), (Start: 7 @64071 has 159 MA's), (Start: 8 @64068 has 123 MA's), (9, 64047), (15, 63921), (18, 63858), (19, 63855),

Gene: Squid_88 Start: 64127, Stop: 63876, Start Num: 5

Candidate Starts for Squid_88:

(Start: 5 @64127 has 2 MA's), (Start: 7 @64100 has 159 MA's), (Start: 8 @64097 has 123 MA's), (9, 64076), (15, 63950), (18, 63887), (19, 63884),

Gene: Squiggle_88 Start: 63825, Stop: 63604, Start Num: 8

Candidate Starts for Squiggle_88:

(Start: 5 @63855 has 2 MA's), (Start: 7 @63828 has 159 MA's), (Start: 8 @63825 has 123 MA's), (9, 63804), (15, 63678), (18, 63615), (19, 63612),

Gene: StAugustine_70 Start: 57163, Stop: 56969, Start Num: 10

Candidate Starts for StAugustine_70:

(Start: 10 @57163 has 2 MA's), (12, 57121), (13, 57076), (14, 57073), (15, 57046), (19, 56977),

Gene: Struggle_89 Start: 63926, Stop: 63702, Start Num: 7

Candidate Starts for Struggle_89:

(Start: 5 @63953 has 2 MA's), (Start: 7 @63926 has 159 MA's), (Start: 8 @63923 has 123 MA's), (9, 63902), (15, 63776), (18, 63713), (19, 63710),

Gene: Suffolk_85 Start: 63822, Stop: 63598, Start Num: 7

Candidate Starts for Suffolk_85:

(2, 64203), (3, 64077), (Start: 5 @63849 has 2 MA's), (Start: 7 @63822 has 159 MA's), (Start: 8 @63819 has 123 MA's), (9, 63798), (15, 63672), (18, 63609), (19, 63606),

Gene: Surely_89 Start: 64391, Stop: 64167, Start Num: 7

Candidate Starts for Surely_89:

(Start: 5 @64418 has 2 MA's), (Start: 7 @64391 has 159 MA's), (Start: 8 @64388 has 123 MA's), (9, 64367), (15, 64241), (18, 64178), (19, 64175),

Gene: Swiphy_91 Start: 64372, Stop: 64151, Start Num: 8

Candidate Starts for Swiphy_91:

(Start: 5 @64402 has 2 MA's), (Start: 7 @64375 has 159 MA's), (Start: 8 @64372 has 123 MA's), (9, 64351), (15, 64225), (18, 64162), (19, 64159),

Gene: Swish_90 Start: 64237, Stop: 64013, Start Num: 7

Candidate Starts for Swish_90:

(Start: 5 @64264 has 2 MA's), (Start: 7 @64237 has 159 MA's), (Start: 8 @64234 has 123 MA's), (9, 64213), (15, 64087), (18, 64024), (19, 64021),

Gene: TallGrassMM_88 Start: 63883, Stop: 63662, Start Num: 8

Candidate Starts for TallGrassMM_88:

(Start: 5 @63913 has 2 MA's), (Start: 7 @63886 has 159 MA's), (Start: 8 @63883 has 123 MA's), (9, 63862), (18, 63673), (19, 63670),

Gene: Taraxa_89 Start: 63717, Stop: 63493, Start Num: 7

Candidate Starts for Taraxa_89:

(Start: 5 @63744 has 2 MA's), (Start: 7 @63717 has 159 MA's), (Start: 8 @63714 has 123 MA's), (9, 63693), (15, 63567), (18, 63504), (19, 63501),

Gene: Telesworld_87 Start: 63963, Stop: 63739, Start Num: 7

Candidate Starts for Telesworld_87:

(Start: 5 @63990 has 2 MA's), (Start: 7 @63963 has 159 MA's), (Start: 8 @63960 has 123 MA's), (9, 63939), (15, 63813), (18, 63750), (19, 63747),

Gene: Thora_87 Start: 64340, Stop: 64116, Start Num: 7

Candidate Starts for Thora_87:

(Start: 5 @64367 has 2 MA's), (Start: 7 @64340 has 159 MA's), (Start: 8 @64337 has 123 MA's), (9, 64316), (15, 64190), (16, 64169), (18, 64127), (19, 64124),

Gene: ThreeOh3D2_90 Start: 64494, Stop: 64270, Start Num: 7

Candidate Starts for ThreeOh3D2_90:

(Start: 5 @64521 has 2 MA's), (Start: 7 @64494 has 159 MA's), (Start: 8 @64491 has 123 MA's), (9, 64470), (15, 64344), (18, 64281), (19, 64278),

Gene: Thunderbird_89 Start: 64080, Stop: 63859, Start Num: 8

Candidate Starts for Thunderbird_89:

(Start: 5 @64110 has 2 MA's), (Start: 7 @64083 has 159 MA's), (Start: 8 @64080 has 123 MA's), (9, 64059), (15, 63933), (18, 63870), (19, 63867),

Gene: Timmi_87 Start: 63854, Stop: 63633, Start Num: 8

Candidate Starts for Timmi_87:

(Start: 5 @63884 has 2 MA's), (Start: 7 @63857 has 159 MA's), (Start: 8 @63854 has 123 MA's), (9, 63833), (15, 63707), (18, 63644), (19, 63641),

Gene: TomBombadil_89 Start: 64384, Stop: 64160, Start Num: 7

Candidate Starts for TomBombadil_89:

(Start: 5 @64411 has 2 MA's), (Start: 7 @64384 has 159 MA's), (Start: 8 @64381 has 123 MA's), (9, 64360), (15, 64234), (18, 64171), (19, 64168),

Gene: Tomlarah_89 Start: 64690, Stop: 64466, Start Num: 7

Candidate Starts for Tomlarah_89:

(Start: 5 @64717 has 2 MA's), (Start: 7 @64690 has 159 MA's), (Start: 8 @64687 has 123 MA's), (9, 64666), (15, 64540), (18, 64477), (19, 64474),

Gene: Toni_88 Start: 64286, Stop: 64062, Start Num: 7

Candidate Starts for Toni_88:

(Start: 5 @64313 has 2 MA's), (Start: 7 @64286 has 159 MA's), (Start: 8 @64283 has 123 MA's), (9, 64262), (15, 64136), (18, 64073), (19, 64070),

Gene: TooFast2Furius_88 Start: 64245, Stop: 64024, Start Num: 8

Candidate Starts for TooFast2Furius_88:

(Start: 5 @64275 has 2 MA's), (Start: 7 @64248 has 159 MA's), (Start: 8 @64245 has 123 MA's), (9, 64224), (15, 64098), (18, 64035), (19, 64032),

Gene: Tooj_86 Start: 63500, Stop: 63276, Start Num: 7

Candidate Starts for Tooj_86:

(Start: 5 @63527 has 2 MA's), (Start: 7 @63500 has 159 MA's), (Start: 8 @63497 has 123 MA's), (9, 63476), (11, 63428), (15, 63350), (18, 63287), (19, 63284),

Gene: Triad_89 Start: 63731, Stop: 63510, Start Num: 8

Candidate Starts for Triad_89:

(Start: 5 @63761 has 2 MA's), (Start: 7 @63734 has 159 MA's), (Start: 8 @63731 has 123 MA's), (9, 63710), (11, 63662), (18, 63521), (19, 63518),

Gene: True_87 Start: 63833, Stop: 63609, Start Num: 7

Candidate Starts for True_87:

(Start: 5 @63860 has 2 MA's), (Start: 7 @63833 has 159 MA's), (Start: 8 @63830 has 123 MA's), (9, 63809), (15, 63683), (18, 63620), (19, 63617),

Gene: Trypo_89 Start: 64555, Stop: 64331, Start Num: 7

Candidate Starts for Trypo_89:

(Start: 5 @64582 has 2 MA's), (Start: 7 @64555 has 159 MA's), (Start: 8 @64552 has 123 MA's), (9, 64531), (15, 64405), (18, 64342), (19, 64339),

Gene: TyrionL_89 Start: 63914, Stop: 63693, Start Num: 8

Candidate Starts for TyrionL_89:

(Start: 5 @63944 has 2 MA's), (Start: 7 @63917 has 159 MA's), (Start: 8 @63914 has 123 MA's), (9, 63893), (15, 63767), (18, 63704), (19, 63701),

Gene: UAch1_90 Start: 64184, Stop: 63960, Start Num: 7

Candidate Starts for UAch1_90:

(Start: 5 @64211 has 2 MA's), (Start: 7 @64184 has 159 MA's), (Start: 8 @64181 has 123 MA's), (9, 64160), (11, 64112), (15, 64034), (18, 63971), (19, 63968),

Gene: UncleHowie_85 Start: 63521, Stop: 63297, Start Num: 7

Candidate Starts for UncleHowie_85:

(Start: 5 @63548 has 2 MA's), (Start: 7 @63521 has 159 MA's), (Start: 8 @63518 has 123 MA's), (9, 63497), (15, 63371), (18, 63308), (19, 63305),

Gene: Usavi_89 Start: 64678, Stop: 64457, Start Num: 8
Candidate Starts for Usavi_89:
(Start: 5 @64708 has 2 MA's), (Start: 7 @64681 has 159 MA's), (Start: 8 @64678 has 123 MA's), (9, 64657), (15, 64531), (18, 64468), (19, 64465),

Gene: Valjean_87 Start: 64072, Stop: 63851, Start Num: 8
Candidate Starts for Valjean_87:
(Start: 5 @64102 has 2 MA's), (Start: 7 @64075 has 159 MA's), (Start: 8 @64072 has 123 MA's), (9, 64051), (15, 63925), (18, 63862), (19, 63859),

Gene: Vaticameos_86 Start: 62390, Stop: 62166, Start Num: 7
Candidate Starts for Vaticameos_86:
(Start: 5 @62417 has 2 MA's), (Start: 7 @62390 has 159 MA's), (Start: 8 @62387 has 123 MA's), (9, 62366), (15, 62240), (18, 62177), (19, 62174),

Gene: Veritas_88 Start: 63998, Stop: 63774, Start Num: 7
Candidate Starts for Veritas_88:
(Start: 5 @64025 has 2 MA's), (Start: 7 @63998 has 159 MA's), (Start: 8 @63995 has 123 MA's), (9, 63974), (15, 63848), (18, 63785), (19, 63782),

Gene: Virapocalypse_90 Start: 64183, Stop: 63959, Start Num: 7
Candidate Starts for Virapocalypse_90:
(Start: 5 @64210 has 2 MA's), (Start: 7 @64183 has 159 MA's), (Start: 8 @64180 has 123 MA's), (9, 64159), (15, 64033), (18, 63970), (19, 63967),

Gene: Virgeve_87 Start: 63802, Stop: 63578, Start Num: 7
Candidate Starts for Virgeve_87:
(Start: 5 @63829 has 2 MA's), (Start: 7 @63802 has 159 MA's), (Start: 8 @63799 has 123 MA's), (9, 63778), (15, 63652), (18, 63589), (19, 63586),

Gene: Vista_88 Start: 63993, Stop: 63772, Start Num: 8
Candidate Starts for Vista_88:
(Start: 5 @64023 has 2 MA's), (Start: 7 @63996 has 159 MA's), (Start: 8 @63993 has 123 MA's), (9, 63972), (15, 63846), (18, 63783), (19, 63780),

Gene: Vivaldi_89 Start: 64262, Stop: 64038, Start Num: 7
Candidate Starts for Vivaldi_89:
(Start: 5 @64289 has 2 MA's), (Start: 7 @64262 has 159 MA's), (Start: 8 @64259 has 123 MA's), (9, 64238), (11, 64190), (15, 64112), (18, 64049), (19, 64046),

Gene: Vortex_87 Start: 64103, Stop: 63879, Start Num: 7
Candidate Starts for Vortex_87:
(Start: 5 @64130 has 2 MA's), (Start: 7 @64103 has 159 MA's), (Start: 8 @64100 has 123 MA's), (9, 64079), (15, 63953), (18, 63890), (19, 63887),

Gene: Wallhey_90 Start: 64104, Stop: 63880, Start Num: 7
Candidate Starts for Wallhey_90:
(Start: 5 @64131 has 2 MA's), (Start: 7 @64104 has 159 MA's), (Start: 8 @64101 has 123 MA's), (9, 64080), (15, 63954), (18, 63891), (19, 63888),

Gene: Waterdiva_90 Start: 64367, Stop: 64146, Start Num: 8
Candidate Starts for Waterdiva_90:

(Start: 5 @64397 has 2 MA's), (Start: 7 @64370 has 159 MA's), (Start: 8 @64367 has 123 MA's), (9, 64346), (15, 64220), (18, 64157), (19, 64154),

Gene: Weher20_86 Start: 64438, Stop: 64217, Start Num: 8

Candidate Starts for Weher20_86:

(Start: 5 @64468 has 2 MA's), (Start: 7 @64441 has 159 MA's), (Start: 8 @64438 has 123 MA's), (9, 64417), (15, 64291), (18, 64228), (19, 64225),

Gene: Windsor_89 Start: 64386, Stop: 64162, Start Num: 7

Candidate Starts for Windsor_89:

(Start: 5 @64413 has 2 MA's), (Start: 7 @64386 has 159 MA's), (Start: 8 @64383 has 123 MA's), (9, 64362), (15, 64236), (18, 64173), (19, 64170),

Gene: Xavier_88 Start: 63995, Stop: 63771, Start Num: 7

Candidate Starts for Xavier_88:

(Start: 5 @64022 has 2 MA's), (Start: 7 @63995 has 159 MA's), (Start: 8 @63992 has 123 MA's), (9, 63971), (15, 63845), (18, 63782), (19, 63779),

Gene: Yoshand_90 Start: 64220, Stop: 63996, Start Num: 7

Candidate Starts for Yoshand_90:

(Start: 5 @64247 has 2 MA's), (Start: 7 @64220 has 159 MA's), (Start: 8 @64217 has 123 MA's), (9, 64196), (15, 64070), (18, 64007), (19, 64004),

Gene: YouGoGlencoco_89 Start: 64110, Stop: 63886, Start Num: 7

Candidate Starts for YouGoGlencoco_89:

(Start: 5 @64137 has 2 MA's), (Start: 7 @64110 has 159 MA's), (Start: 8 @64107 has 123 MA's), (9, 64086), (15, 63960), (18, 63897), (19, 63894),

Gene: Zaider_90 Start: 64482, Stop: 64261, Start Num: 8

Candidate Starts for Zaider_90:

(Start: 5 @64512 has 2 MA's), (Start: 7 @64485 has 159 MA's), (Start: 8 @64482 has 123 MA's), (9, 64461), (15, 64335), (18, 64272), (19, 64269),

Gene: Zelda_89 Start: 64441, Stop: 64217, Start Num: 7

Candidate Starts for Zelda_89:

(Start: 5 @64468 has 2 MA's), (Start: 7 @64441 has 159 MA's), (Start: 8 @64438 has 123 MA's), (9, 64417), (15, 64291), (18, 64228), (19, 64225),

Gene: Zonia_89 Start: 64549, Stop: 64328, Start Num: 8

Candidate Starts for Zonia_89:

(Start: 5 @64579 has 2 MA's), (Start: 7 @64552 has 159 MA's), (Start: 8 @64549 has 123 MA's), (9, 64528), (15, 64402), (18, 64339), (19, 64336),