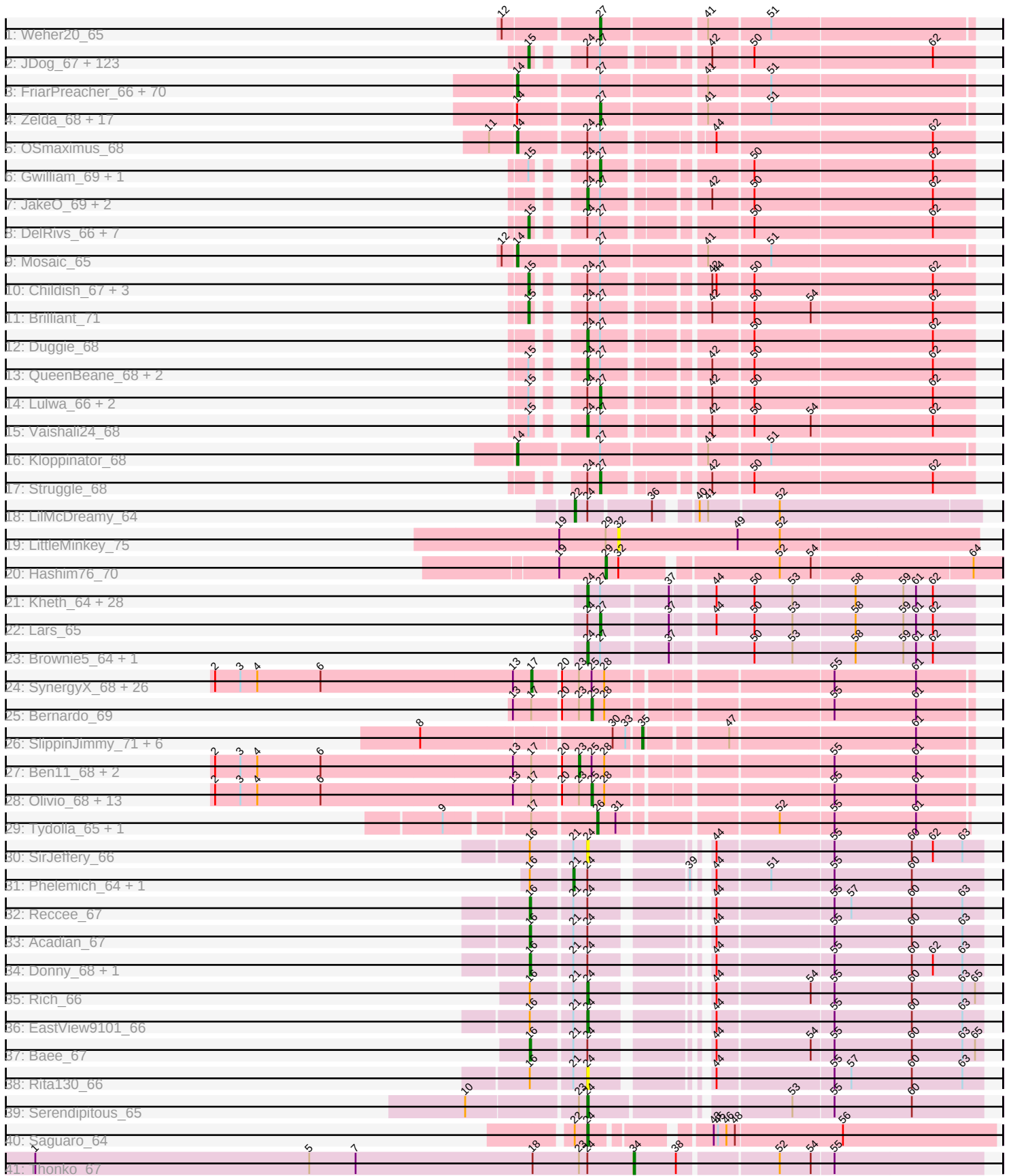


Pham 330375



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 330375 Report

This analysis was run 09/05/26 on database version 662.

Pham number 330375 has 347 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Weher20_65
- Track 2 : JDog_67, Riggan_69, EmpTee_67, Riverton_67, Orwigg_67, LuckyMarjie_65, Chaelin_69, Mesmerelda_67, Aelin_67, Tomlarah_69, PG1_67, Pacifista_67, Chah_69, Gareth_68, Serpentine_0068, Nicole21_69, Manad_67, Simielle_68, Waterdiva_68, Giraffe_68, Numberbert_67, Freya_65, OneBrain_71, Selr12_69, Chunky_68, Roy17_66, ThreeOh3D2_69, Bishoperium_68, Windsor_68, Schadenfreude_68, OliverWalter_67, Mutante_68, Piglet_0068, Serendipity_67, Cornbread_66, Mcshane_67, AngelCake_67, KLucky39_66, KlimbOn_67, Altwerkus_66, Suffolk_66, Kikipoo_69, Skippy_69, ProfessorX_66, Virapocalypse_69, Newman_66, Swiphy_70, Badfish_68, Hertubise_67, BlacksBerry_69, Antonia_67, ABU_67, Kwadwo_67, Dione_66, Longacauda_69, Mecca_68, DoesntMatter_65, Toni_68, Haleema_67, Olak_67, Lulumae_65, PhatLouie_70, Scoot17C_68, LeiMonet_71, Sigman_68, Chipette_68, Colbert_66, Megatron_68, Xavier_67, Quisquilliae_69, IsaacEli_69, Spartan300_67, CheetO_67, Beaglebox_66, Jillium_68, Eremos_67, True_66, Dice_67, Katniss_69, Coletti_71, Orfeu_67, JacAttac_68, Telesworld_66, Charles1_69, Phunky_66, Omniscient_69, MrPhizzler_71, PhatCats2014_68, Iridessa_69, Hartsy_67, Vaticameos_65, FleetyMac_68, Robyn_68, Fringe_72, Timmi_67, Aonishiki_68, Keitherie_70, CampRoach_69, Andre_70, Tooj_66, ShiVal_66, Chuni_71, Anderson_69, Nyala_67, HSavage_66, Apizium_67, PallasAthena_69, Nacho_0071, JangoPhett_102, Carthage_68, SirBeauregard_69, Cannibal_68, Gophee_69, ShadowBud_68, Jesabah_70, Kimbrough_69, Samaymay_68, Hetaeria_67, Oosterbaan_67, Lumine_69, Burr_68, Valjean_67, Morty_69, BoogieWoogie_70
- Track 3 : FriarPreacher_66, DirtJuice_68, Murdoc_65, Podrick_67, Mulan_67, Pherdinand_68, Soto_65, Prickles_69, Vista_66, Thora_66, Derpp_68, CharlieGBrown_66, Zonia_68, Cher_68, Vortex_67, Pipsqueak_65, SDcharge11_67, Vivaldi_68, Banjo_66, MichaelPhcott_66, Iridoclysis_67, MitKao_67, Labeouficaum_68, FluffyNinja_68, Maru_67, Craff_71, UncleHowie_65, Phergie_68, PhrodoBaggins_69, Pinkman_67, LeeLot_67, Swish_68, PinheadLarry_67, Doddsville_66, TyrionL_68, Trypo_69, Yoshand_68, Kailash_66, Mana_66, Squid_67, Daffy_66, SassyCat97_66, Lego3393_65, Fang_69, PhrankReynolds_67, LemonSlice_68, Cobra_68, Morgushi_66, PhenghisKhan_68, KingTut_59, Oline_67, Slatt_68, Harvey_65, Daka_70, Squiggle_67, Phipps_67, Held_66, FugateOSU_68, Phamished_69, Placalicious_68, HighStump_69, TallGrassMM_66, Phleuron_66, Kwksand96_68, Haimas_66, Puhltonio_66, Mesh1_68, DuchessDung_67, Matalotodo_66, KingVeVeVe_66, BatteryCK_66

- Track 4 : Zelda_68, Veritas_67, Plmatters_66, Legolas_69, Durga_70, Sophia_66, Etaye_67, Surely_68, LostAndPhound_67, SallyH_70, Emiris_69, Wallhey_68, Solosis_66, Roliet_65, Mag7_66, YouGoGlencoco_68, MRabcd_67, TomBombadil_68
- Track 5 : OSmaximus_68
- Track 6 : Gwilliam_69, Frankicide_66
- Track 7 : JakeO_69, Pops_66, Thunderbird_68
- Track 8 : DelRivs_66, Rimu_68, Crownjwl_66, Soile_69, Gwennie1_67, Ricotta_68, Jiraiya_69, Roscoe_68
- Track 9 : Mosaic_65
- Track 10 : Childish_67, HenryJackson_68, Kahve_68, DaddyDaniels_70
- Track 11 : Brilliant_71
- Track 12 : Duggie_68
- Track 13 : QueenBeane_68, CamL_68, Cosmolli16_69
- Track 14 : Lulwa_66, Usavi_69, Zaider_69
- Track 15 : Vaishali24_68
- Track 16 : Kloppinator_68
- Track 17 : Struggle_68
- Track 18 : LilMcDreamy_64
- Track 19 : LittleMinkey_75
- Track 20 : Hashim76_70
- Track 21 : Kheth_64, Glass_65, LizLemon_64, Lephleur_64, MasterPo_65, ItsyBitsy1_63, West99_64, Calamitous_65, Kolhan_65, Godines_65, Laurie_64, Rosebush_63, Opia_65, TA17A_66, Rhinoforte_64, Holeinone_64, Eaglehorse_64, Qyrzula_58, Boyle_64, Arbiter_62, Hedgerow_64, LilSmirk_64, Tres_64, Ares_64, Blocker23_64, Bananafish_65, FrenchFry_65, Sabella_64, PrinceCharming_65
- Track 22 : Lars_65
- Track 23 : Brownie5_64, Tinciduntsum_65
- Track 24 : SynergyX_68, Jackstina_64, Yinz_68, Chalmers_67, ChaChing_68, Phlyer_68, Glubnar_69, GlenHope_69, RagingRooster_67, Audrey_68, RomaT_68, Rita1961_69, Philly_67, Nozo_68, Corofin_68, Devonte_67, Heathcliff_68, Gadget_69, Deenasa_68, Abinghost_68, Casbah_68, Halfpint_67, Athena_70, OrangeOswald_68, Shenandoah_67, SwainyDoc_69, TinyTerror_69
- Track 25 : Bernardo_69
- Track 26 : SlippinJimmy_71, Briakila_68, Neos5_68, Obutu_70, Marley1013_69, Phayeta_71, Chentzyk_70
- Track 27 : Ben11_68, Gervas_69, Mulaychimus_69
- Track 28 : Olivio_68, MmasiCarm_69, Phaedruss_63, Akoma_68, Daisy_67, Marlia_69, Kronus_68, Yahalom_66, Kamiyu_68, Mortcellus_68, Chandler_68, Compostia_67, Baloo_67, LestyG_66
- Track 29 : Tydolla_65, HarveySr_67
- Track 30 : SirJeffery_66
- Track 31 : Phelemich_64, Reprobate_65
- Track 32 : Reccee_67
- Track 33 : Acadian_67
- Track 34 : Donny_68, Suigeneris_68
- Track 35 : Rich_66
- Track 36 : EastView9101_66
- Track 37 : Baee_67
- Track 38 : Rita130_66
- Track 39 : Serendipitous_65
- Track 40 : Saguaro_64
- Track 41 : Thonko_67

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

The start number called the most often in the published annotations is 15, it was called in 135 of the 337 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_67, Aelin_67, Altwerkus_66, Anderson_69, Andre_70, AngelCake_67, Antonia_67, Aonishiki_68, Apizium_67, Badfish_68, Beaglebox_66, Bishoperium_68, BlacksBerry_69, BoogieWoogie_70, Brilliant_71, Burr_68, CampRoach_69, Cannibal_68, Carthage_68, Chaelin_69, Chah_69, Charles1_69, CheetO_67, Childish_67, Chipette_68, Chuni_71, Chunky_68, Colbert_66, Coletti_71, Cornbread_66, Crownjwl_66, DaddyDaniels_70, DelRivs_66, Dice_67, Dione_66, DoesntMatter_65, EmpTee_67, Eremos_67, FleetyMac_68, Freya_65, Fringe_72, Gareth_68, Giraffe_68, Gophee_69, Gwennie1_67, HSavage_66, Haleema_67, Hartsy_67, HenryJackson_68, Hertubise_67, Hetaeria_67, Iridessa_69, IsaacEli_69, JDog_67, JacAttac_68, JangoPhett_102, Jesabah_70, Jillium_68, Jiraiya_69, KLUcky39_66, Kahve_68, Katniss_69, Keitherie_70, Kikipoo_69, Kimbrough_69, KlimbOn_67, Kwadwo_67, LeiMonet_71, Longacauda_69, LuckyMarjie_65, Lulumae_65, Lumine_69, Manad_67, Mcshane_67, Mecca_68, Megatron_68, Mesmerelda_67, Morty_69, MrPhizzler_71, Mutante_68, Nacho_0071, Newman_66, Nicole21_69, Numberten_67, Nyala_67, Olak_67, OliverWalter_67, Omniscient_69, OneBrain_71, Oosterbaan_67, Orfeu_67, Orwigg_67, PG1_67, Pacifista_67, PallasAthena_69, PhatCats2014_68, PhatLouie_70, Phunky_66, Piglet_0068, ProfessorX_66, Quisquiliae_69, Ricotta_68, Riggan_69, Rimu_68, Riverton_67, Robyn_68, Roscoe_68, Roy17_66, Samaymay_68, Schadenfreude_68, Scoot17C_68, Selr12_69, Serendipity_67, Serpentine_0068, ShadowBud_68, ShiVal_66, Sigman_68, Simielle_68, SirBeauregard_69, Skippy_69, Soile_69, Spartan300_67, Suffolk_66, Swiphy_70, Telesworld_66, ThreeOh3D2_69, Timmi_67, Tomlarah_69, Toni_68, Tooj_66, True_66, Valjean_67, Vaticameos_65, Virapocalypse_69, Waterdiva_68, Windsor_68, Xavier_67,

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

- CamL_68, Cosmolli16_69, Frankicide_66, Gwilliam_69, Lulwa_66, QueenBeane_68, Usavi_69, Vaishali24_68, Zaider_69,

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

- Abinghost_68, Acadian_67, Akoma_68, Arbiter_62, Ares_64, Athena_70, Audrey_68, Baee_67, Baloo_67, Bananafish_65, Banjo_66, BatteryCK_66, Ben11_68, Bernardo_69, Blocker23_64, Boyle_64, Briakila_68, Brownie5_64, Calamitous_65, Casbah_68, ChaChing_68, Chalmers_67, Chandler_68, CharlieGBrown_66, Chentzyk_70, Cher_68, Cobra_68, Compostia_67, Corofin_68, Craff_71, Daffy_66, Daisy_67, Daka_70, Deenasa_68, Derpp_68, Devonte_67, DirtJuice_68, Doddsville_66, Donny_68, DuchessDung_67, Duggie_68, Durga_70, Eaglehorse_64, EastView9101_66, Emiris_69, Etaye_67, Fang_69, FluffyNinja_68, FrenchFry_65, FriarPreacher_66, FugateOSU_68, Gadget_69, Gervas_69, Glass_65, GlenHope_69, Glubnar_69, Godines_65, Haimas_66, Halfpint_67, HarveySr_67, Harvey_65, Hashim76_70, Heathcliff_68, Hedgerow_64, Held_66, HighStump_69, Holeinone_64, Iridoclysis_67, ItsyBitsy1_63, Jackstina_64, JakeO_69, Kailash_66, Kamiyu_68, Kheth_64, KingTut_59, KingVeVeVe_66, Kloppinator_68, Kolhan_65,

Kronus_68, Kwksand96_68, Labeouficaum_68, Lars_65, Laurie_64, LeeLot_67, Lego3393_65, Legolas_69, LemonSlice_68, Lephleur_64, LestyG_66, LilMcDreamy_64, LilSmirk_64, LittleMinkey_75, LizLemon_64, LostAndPhound_67, MRabcd_67, Mag7_66, Mana_66, Marley1013_69, Marlia_69, Maru_67, MasterPo_65, Matalotodo_66, Mesh1_68, MichaelPhcott_66, MitKao_67, MmasiCarm_69, Morgushi_66, Mortcellus_68, Mosaic_65, Mulan_67, Mulaychimus_69, Murdoc_65, Neos5_68, Nozo_68, OSmaximus_68, Obutu_70, Oline_67, Olivio_68, Opia_65, OrangeOswald_68, Phaedruss_63, Phamished_69, Phayeta_71, Phelemich_64, PhenghisKhan_68, Pherdinand_68, Phergie_68, Philly_67, Phipps_67, Phleuron_66, Phlyer_68, PhrankReynolds_67, PhrodoBaggins_69, PinheadLarry_67, Pinkman_67, Pipsqueak_65, Placalicious_68, Plmatters_66, Podrick_67, Pops_66, Prickles_69, PrinceCharming_65, Puhltonio_66, Qyrzula_58, RagingRooster_67, Reccee_67, Reprobate_65, Rhinoforte_64, Rich_66, Rita130_66, Rita1961_69, Roliet_65, RomaT_68, Rosebush_63, SDcharge11_67, Sabella_64, Saguaro_64, SallyH_70, SassyCat97_66, Serendipitous_65, Shenandoah_67, SirJeffery_66, Slatt_68, SlippinJimmy_71, Solosis_66, Sophia_66, Soto_65, Squid_67, Squiggle_67, Struggle_68, Suigeneris_68, Surely_68, SwainyDoc_69, Swish_68, SynergyX_68, TA17A_66, TallGrassMM_66, Thonko_67, Thora_66, Thunderbird_68, Tinciduntolum_65, TinyTerror_69, TomBombadil_68, Tres_64, Trypo_69, Tydolla_65, TyrionL_68, UncleHowie_65, Veritas_67, Vista_66, Vivaldi_68, Vortex_67, Wallhey_68, Weher20_65, West99_64, Yahalom_66, Yinz_68, Yoshand_68, YouGoGlencoco_68, Zelda_68, Zonia_68,

Summary by start number:

Start 14:

- Found in 92 of 347 (26.5%) of genes in pham
- Manual Annotations of this start: 74 of 337
- Called 80.4% of time when present
- Phage (with cluster) where this start called: Banjo_66 (B1), BatteryCK_66 (B1), CharlieGBrown_66 (B1), Cher_68 (B1), Cobra_68 (B1), Craff_71 (B1), Daffy_66 (B1), Daka_70 (B1), Derpp_68 (B1), DirtJuice_68 (B1), Doddsville_66 (B1), DuchessDung_67 (B1), Fang_69 (B1), FluffyNinja_68 (B1), FriarPreacher_66 (B1), FugateOSU_68 (B1), Haimas_66 (B1), Harvey_65 (B1), Held_66 (B1), HighStump_69 (B1), Iridoclysis_67 (B1), Kailash_66 (B1), KingTut_59 (B1), KingVeVeVe_66 (B1), Kloppinator_68 (B1), Kwksand96_68 (B1), Labeouficaum_68 (B1), LeeLot_67 (B1), Lego3393_65 (B1), LemonSlice_68 (B1), Mana_66 (B1), Maru_67 (B1), Matalotodo_66 (B1), Mesh1_68 (B1), MichaelPhcott_66 (B1), MitKao_67 (B1), Morgushi_66 (B1), Mosaic_65 (B1), Mulan_67 (B1), Murdoc_65 (B1), OSmaximus_68 (B1), Oline_67 (B1), Phamished_69 (B1), PhenghisKhan_68 (B1), Pherdinand_68 (B1), Phergie_68 (B1), Phipps_67 (B1), Phleuron_66 (B1), PhrankReynolds_67 (B1), PhrodoBaggins_69 (B1), PinheadLarry_67 (B1), Pinkman_67 (B1), Pipsqueak_65 (B1), Placalicious_68 (B1), Podrick_67 (B1), Prickles_69 (B1), Puhltonio_66 (B1), SDcharge11_67 (B1), SassyCat97_66 (B1), Slatt_68 (B1), Soto_65 (B1), Squid_67 (B1), Squiggle_67 (B1), Swish_68 (B1), TallGrassMM_66 (B1), Thora_66 (B1), Trypo_69 (B1), TyrionL_68 (B1), UncleHowie_65 (B1), Vista_66 (B1), Vivaldi_68 (B1), Vortex_67 (B1), Yoshand_68 (B1), Zonia_68 (B1),

Start 15:

- Found in 146 of 347 (42.1%) of genes in pham
- Manual Annotations of this start: 135 of 337
- Called 93.8% of time when present

- Phage (with cluster) where this start called: ABU_67 (B1), Aelin_67 (B1), Altwerkus_66 (B1), Anderson_69 (B1), Andre_70 (B1), AngelCake_67 (B1), Antonia_67 (B1), Aonishiki_68 (B1), Apizium_67 (B1), Badfish_68 (B1), Beaglebox_66 (B1), Bishoperium_68 (B1), BlacksBerry_69 (B1), BoogieWoogie_70 (B1), Brilliant_71 (B1), Burr_68 (B1), CampRoach_69 (B1), Cannibal_68 (B1), Carthage_68 (B1), Chaelin_69 (B1), Chah_69 (B1), Charles1_69 (B1), CheetO_67 (B1), Childish_67 (B1), Chipette_68 (B1), Chuni_71 (B1), Chunky_68 (B1), Colbert_66 (B1), Coletti_71 (B1), Cornbread_66 (B1), Crownjwl_66 (B1), DaddyDaniels_70 (B1), DelRivs_66 (B1), Dice_67 (B1), Dione_66 (B1), DoesntMatter_65 (B1), EmpTee_67 (B1), Eremos_67 (B1), FleetyMac_68 (B1), Freya_65 (B1), Fringe_72 (B1), Gareth_68 (B1), Giraffe_68 (B1), Gophe_69 (B1), Gwennie1_67 (B1), HSavage_66 (B1), Haleema_67 (B1), Hartsy_67 (B1), HenryJackson_68 (B1), Hertubise_67 (B1), Hetaeria_67 (B1), Iridessa_69 (B1), IsaacEli_69 (B1), JDog_67 (B1), JacAttac_68 (B1), JangoPhett_102 (B1), Jesabah_70 (B1), Jillium_68 (B1), Jiraiya_69 (B1), KLUcky39_66 (B1), Kahve_68 (B1), Katniss_69 (B1), Keitherie_70 (B1), Kikipoo_69 (B1), Kimbrough_69 (B1), KlimbOn_67 (B1), Kwadwo_67 (B1), LeiMonet_71 (B1), Longacauda_69 (B1), LuckyMarjie_65 (B1), Lulumae_65 (B1), Lumine_69 (B1), Manad_67 (B1), Mcshane_67 (B1), Mecca_68 (B1), Megatron_68 (B1), Mesmerelda_67 (B1), Morty_69 (B1), MrPhizzler_71 (B1), Mutante_68 (B1), Nacho_0071 (B1), Newman_66 (B1), Nicole21_69 (B1), Numberten_67 (B1), Nyala_67 (B1), Olak_67 (B1), OliverWalter_67 (B1), Omniscient_69 (B1), OneBrain_71 (B1), Oosterbaan_67 (B1), Orfeu_67 (B1), Orwigg_67 (B1), PG1_67 (B1), Pacifista_67 (B1), PallasAthena_69 (B1), PhatCats2014_68 (B1), PhatLouie_70 (B1), Phunky_66 (B1), Piglet_0068 (B1), ProfessorX_66 (B1), Quisquilliae_69 (B1), Ricotta_68 (B1), Riggan_69 (B1), Rimu_68 (B1), Riverton_67 (B1), Robyn_68 (B1), Roscoe_68 (B1), Roy17_66 (B1), Samaymay_68 (B1), Schadenfreude_68 (B1), Scoot17C_68 (B1), Selr12_69 (B1), Serendipity_67 (B1), Serpentine_0068 (B1), ShadowBud_68 (B1), ShiVal_66 (B1), Sigman_68 (B1), Simielle_68 (B1), SirBeauregard_69 (B1), Skippy_69 (B1), Soile_69 (B1), Spartan300_67 (B1), Suffolk_66 (B1), Swiphy_70 (B1), Telesworld_66 (B1), ThreeOh3D2_69 (B1), Timmi_67 (B1), Tomlarah_69 (B1), Toni_68 (B1), Tooj_66 (B1), True_66 (B1), Valjean_67 (B1), Vaticameos_65 (B1), Virapocalypse_69 (B1), Waterdiva_68 (B1), Windsor_68 (B1), Xavier_67 (B1),

Start 16:

- Found in 11 of 347 (3.2%) of genes in pham
- Manual Annotations of this start: 5 of 337
- Called 45.5% of time when present
- Phage (with cluster) where this start called: Acadian_67 (B5), Baee_67 (B5), Donny_68 (B5), Reccee_67 (B5), Suigeneris_68 (B5),

Start 17:

- Found in 47 of 347 (13.5%) of genes in pham
- Manual Annotations of this start: 27 of 337
- Called 57.4% of time when present
- Phage (with cluster) where this start called: Abinghost_68 (B3), Athena_70 (B3), Audrey_68 (B3), Casbah_68 (B3), ChaChing_68 (B3), Chalmers_67 (B3), Corofin_68 (B3), Deenasa_68 (B3), Devonte_67 (B3), Gadjet_69 (B3), GlenHope_69 (B3), Glubnar_69 (B3), Halfpint_67 (B3), Heathcliff_68 (B3), Jackstina_64 (B3), Nozo_68 (B3), OrangeOswald_68 (B3), Philly_67 (B3), Phlyer_68 (B3), RagingRooster_67 (B3), Rita1961_69 (B3), RomaT_68 (B3), Shenandoah_67 (B3), SwainyDoc_69 (B3), SynergyX_68 (B3), TinyTerror_69 (B3), Yinz_68 (B3),

Start 21:

- Found in 11 of 347 (3.2%) of genes in pham
- Manual Annotations of this start: 2 of 337
- Called 18.2% of time when present
- Phage (with cluster) where this start called: Phelemich_64 (B5), Reprobate_65 (B5),

Start 22:

- Found in 2 of 347 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 337
- Called 50.0% of time when present
- Phage (with cluster) where this start called: LilMcDreamy_64 (B12),

Start 23:

- Found in 47 of 347 (13.5%) of genes in pham
- Manual Annotations of this start: 3 of 337
- Called 6.4% of time when present
- Phage (with cluster) where this start called: Ben11_68 (B3), Gervas_69 (B3), Mulaychimus_69 (B3),

Start 24:

- Found in 199 of 347 (57.3%) of genes in pham
- Manual Annotations of this start: 42 of 337
- Called 22.6% of time when present
- Phage (with cluster) where this start called: Arbiter_62 (B2), Ares_64 (B2), Bananafish_65 (B2), Blocker23_64 (B2), Boyle_64 (B2), Brownie5_64 (B2), Calamitous_65 (B2), CamL_68 (B1), Cosmolli16_69 (B1), Duggie_68 (B1), Eaglehorse_64 (B2), EastView9101_66 (B5), FrenchFry_65 (B2), Glass_65 (B2), Godines_65 (B2), Hedgerow_64 (B2), Holeinone_64 (B2), ItsyBitsy1_63 (B2), JakeO_69 (B1), Kheth_64 (B2), Kolhan_65 (B2), Laurie_64 (B2), Lephleur_64 (B2), LilSmirk_64 (B2), LizLemon_64 (B2), MasterPo_65 (B2), Opia_65 (B2), Pops_66 (B1), PrinceCharming_65 (B2), QueenBeane_68 (B1), Qyrzula_58 (B2), Rhinoforte_64 (B2), Rich_66 (B5), Rita130_66 (B5), Rosebush_63 (B2), Sabella_64 (B2), Saguaro_64 (B7), Serendipitous_65 (B5), SirJeffery_66 (B5), TA17A_66 (B2), Thunderbird_68 (B1), Tinciduntolum_65 (B2), Tres_64 (B2), Vaishali24_68 (B1), West99_64 (B2),

Start 25:

- Found in 45 of 347 (13.0%) of genes in pham
- Manual Annotations of this start: 13 of 337
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Akoma_68 (B3), Baloo_67 (B3), Bernardo_69 (B3), Chandler_68 (B3), Compostia_67 (B3), Daisy_67 (B3), Kamiyu_68 (B3), Kronus_68 (B3), LestyG_66 (B3), Marlia_69 (B3), MmasiCarm_69 (B3), Mortcellus_68 (B3), Olivio_68 (B3), Phaedrus_63 (B3), Yahalom_66 (B3),

Start 26:

- Found in 2 of 347 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 337
- Called 100.0% of time when present
- Phage (with cluster) where this start called: HarveySr_67 (B3), Tydolla_65 (B3),

Start 27:

- Found in 276 of 347 (79.5%) of genes in pham

- Manual Annotations of this start: 25 of 337
- Called 9.4% of time when present
- Phage (with cluster) where this start called: Durga_70 (B1), Emiris_69 (B1), Etaye_67 (B1), Frankicide_66 (B1), Gwilliam_69 (B1), Lars_65 (B2), Legolas_69 (B1), LostAndPhound_67 (B1), Lulwa_66 (B1), MRabcd_67 (B1), Mag7_66 (B1), Plmatters_66 (B1), Roliet_65 (B1), SallyH_70 (B1), Solosis_66 (B1), Sophia_66 (B1), Struggle_68 (B1), Surely_68 (B1), TomBombadil_68 (B1), Usavi_69 (B1), Veritas_67 (B1), Wallhey_68 (B1), Weher20_65 (B1), YouGoGlencoco_68 (B1), Zaider_69 (B1), Zelda_68 (B1),

Start 29:

- Found in 2 of 347 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 337
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Hashim76_70 (B13),

Start 32:

- Found in 2 of 347 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: LittleMinkey_75 (B13),

Start 34:

- Found in 1 of 347 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 337
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Thonko_67 (B8),

Start 35:

- Found in 7 of 347 (2.0%) of genes in pham
- Manual Annotations of this start: 6 of 337
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Briakila_68 (B3), Chentzyk_70 (B3), Marley1013_69 (B3), Neos5_68 (B3), Obutu_70 (B3), Phayeta_71 (B3), SlippinJimmy_71 (B3),

Summary by clusters:

There are 8 clusters represented in this pham: B5, B7, B12, B13, B2, B3, B8, B1,

Info for manual annotations of cluster B1:

- Start number 14 was manually annotated 74 times for cluster B1.
- Start number 15 was manually annotated 135 times for cluster B1.
- Start number 24 was manually annotated 8 times for cluster B1.
- Start number 27 was manually annotated 24 times for cluster B1.

Info for manual annotations of cluster B12:

- Start number 22 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 29 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B2:

- Start number 24 was manually annotated 30 times for cluster B2.
- Start number 27 was manually annotated 1 time for cluster B2.

Info for manual annotations of cluster B3:

- Start number 17 was manually annotated 27 times for cluster B3.
- Start number 23 was manually annotated 3 times for cluster B3.
- Start number 25 was manually annotated 13 times for cluster B3.
- Start number 26 was manually annotated 2 times for cluster B3.
- Start number 35 was manually annotated 6 times for cluster B3.

Info for manual annotations of cluster B5:

- Start number 16 was manually annotated 5 times for cluster B5.
- Start number 21 was manually annotated 2 times for cluster B5.
- Start number 24 was manually annotated 3 times for cluster B5.

Info for manual annotations of cluster B7:

- Start number 24 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 34 was manually annotated 1 time for cluster B8.

Gene Information:

Gene: ABU_67 Start: 57301, Stop: 57573, Start Num: 15

Candidate Starts for ABU_67:

(Start: 15 @57301 has 135 MA's), (Start: 24 @57322 has 42 MA's), (Start: 27 @57331 has 25 MA's), (42, 57394), (50, 57421), (62, 57544),

Gene: Abinghost_68 Start: 57207, Stop: 57494, Start Num: 17

Candidate Starts for Abinghost_68:

(2, 56985), (3, 57003), (4, 57015), (6, 57060), (13, 57195), (Start: 17 @57207 has 27 MA's), (20, 57225), (Start: 23 @57237 has 3 MA's), (Start: 25 @57246 has 13 MA's), (28, 57255), (55, 57399), (61, 57456),

Gene: Acadian_67 Start: 58258, Stop: 58542, Start Num: 16

Candidate Starts for Acadian_67:

(Start: 16 @58258 has 5 MA's), (Start: 21 @58285 has 2 MA's), (Start: 24 @58294 has 42 MA's), (44, 58360), (55, 58438), (60, 58492), (63, 58528),

Gene: Aelin_67 Start: 56821, Stop: 57093, Start Num: 15

Candidate Starts for Aelin_67:

(Start: 15 @56821 has 135 MA's), (Start: 24 @56842 has 42 MA's), (Start: 27 @56851 has 25 MA's), (42, 56914), (50, 56941), (62, 57064),

Gene: Akoma_68 Start: 57286, Stop: 57534, Start Num: 25

Candidate Starts for Akoma_68:

(2, 57025), (3, 57043), (4, 57055), (6, 57100), (13, 57235), (Start: 17 @57247 has 27 MA's), (20, 57265), (Start: 23 @57277 has 3 MA's), (Start: 25 @57286 has 13 MA's), (28, 57295), (55, 57439), (61, 57496),

Gene: Altwerkus_66 Start: 56464, Stop: 56736, Start Num: 15

Candidate Starts for Altwerkus_66:

(Start: 15 @56464 has 135 MA's), (Start: 24 @56485 has 42 MA's), (Start: 27 @56494 has 25 MA's), (42, 56557), (50, 56584), (62, 56707),

Gene: Anderson_69 Start: 57036, Stop: 57308, Start Num: 15

Candidate Starts for Anderson_69:

(Start: 15 @57036 has 135 MA's), (Start: 24 @57057 has 42 MA's), (Start: 27 @57066 has 25 MA's), (42, 57129), (50, 57156), (62, 57279),

Gene: Andre_70 Start: 57216, Stop: 57488, Start Num: 15

Candidate Starts for Andre_70:

(Start: 15 @57216 has 135 MA's), (Start: 24 @57237 has 42 MA's), (Start: 27 @57246 has 25 MA's), (42, 57309), (50, 57336), (62, 57459),

Gene: AngelCake_67 Start: 56953, Stop: 57225, Start Num: 15

Candidate Starts for AngelCake_67:

(Start: 15 @56953 has 135 MA's), (Start: 24 @56974 has 42 MA's), (Start: 27 @56983 has 25 MA's), (42, 57046), (50, 57073), (62, 57196),

Gene: Antonia_67 Start: 56820, Stop: 57092, Start Num: 15

Candidate Starts for Antonia_67:

(Start: 15 @56820 has 135 MA's), (Start: 24 @56841 has 42 MA's), (Start: 27 @56850 has 25 MA's), (42, 56913), (50, 56940), (62, 57063),

Gene: Aonishiki_68 Start: 57079, Stop: 57351, Start Num: 15

Candidate Starts for Aonishiki_68:

(Start: 15 @57079 has 135 MA's), (Start: 24 @57100 has 42 MA's), (Start: 27 @57109 has 25 MA's), (42, 57172), (50, 57199), (62, 57322),

Gene: Apizium_67 Start: 56482, Stop: 56754, Start Num: 15

Candidate Starts for Apizium_67:

(Start: 15 @56482 has 135 MA's), (Start: 24 @56503 has 42 MA's), (Start: 27 @56512 has 25 MA's), (42, 56575), (50, 56602), (62, 56725),

Gene: Arbiter_62 Start: 55569, Stop: 55829, Start Num: 24

Candidate Starts for Arbiter_62:

(Start: 24 @55569 has 42 MA's), (Start: 27 @55578 has 25 MA's), (37, 55623), (44, 55650), (50, 55677), (53, 55704), (58, 55746), (59, 55779), (61, 55788), (62, 55800),

Gene: Ares_64 Start: 55540, Stop: 55800, Start Num: 24

Candidate Starts for Ares_64:

(Start: 24 @55540 has 42 MA's), (Start: 27 @55549 has 25 MA's), (37, 55594), (44, 55621), (50, 55648), (53, 55675), (58, 55717), (59, 55750), (61, 55759), (62, 55771),

Gene: Athena_70 Start: 57982, Stop: 58269, Start Num: 17

Candidate Starts for Athena_70:

(2, 57760), (3, 57778), (4, 57790), (6, 57835), (13, 57970), (Start: 17 @57982 has 27 MA's), (20, 58000), (Start: 23 @58012 has 3 MA's), (Start: 25 @58021 has 13 MA's), (28, 58030), (55, 58174), (61, 58231),

Gene: Audrey_68 Start: 57246, Stop: 57533, Start Num: 17

Candidate Starts for Audrey_68:

(2, 57024), (3, 57042), (4, 57054), (6, 57099), (13, 57234), (Start: 17 @57246 has 27 MA's), (20, 57264), (Start: 23 @57276 has 3 MA's), (Start: 25 @57285 has 13 MA's), (28, 57294), (55, 57438), (61, 57495),

Gene: Badfish_68 Start: 57322, Stop: 57594, Start Num: 15

Candidate Starts for Badfish_68:

(Start: 15 @57322 has 135 MA's), (Start: 24 @57343 has 42 MA's), (Start: 27 @57352 has 25 MA's), (42, 57415), (50, 57442), (62, 57565),

Gene: Baee_67 Start: 59301, Stop: 59585, Start Num: 16

Candidate Starts for Baee_67:

(Start: 16 @59301 has 5 MA's), (Start: 21 @59328 has 2 MA's), (Start: 24 @59337 has 42 MA's), (44, 59403), (54, 59466), (55, 59481), (60, 59535), (63, 59571), (65, 59580),

Gene: Baloo_67 Start: 57118, Stop: 57366, Start Num: 25

Candidate Starts for Baloo_67:

(2, 56857), (3, 56875), (4, 56887), (6, 56932), (13, 57067), (Start: 17 @57079 has 27 MA's), (20, 57097), (Start: 23 @57109 has 3 MA's), (Start: 25 @57118 has 13 MA's), (28, 57127), (55, 57271), (61, 57328),

Gene: Bananafish_65 Start: 55470, Stop: 55730, Start Num: 24

Candidate Starts for Bananafish_65:

(Start: 24 @55470 has 42 MA's), (Start: 27 @55479 has 25 MA's), (37, 55524), (44, 55551), (50, 55578), (53, 55605), (58, 55647), (59, 55680), (61, 55689), (62, 55701),

Gene: Banjo_66 Start: 56800, Stop: 57102, Start Num: 14

Candidate Starts for Banjo_66:

(Start: 14 @56800 has 74 MA's), (Start: 27 @56854 has 25 MA's), (41, 56923), (51, 56965),

Gene: BatteryCK_66 Start: 56770, Stop: 57072, Start Num: 14

Candidate Starts for BatteryCK_66:

(Start: 14 @56770 has 74 MA's), (Start: 27 @56824 has 25 MA's), (41, 56893), (51, 56935),

Gene: Beaglebox_66 Start: 56876, Stop: 57148, Start Num: 15

Candidate Starts for Beaglebox_66:

(Start: 15 @56876 has 135 MA's), (Start: 24 @56897 has 42 MA's), (Start: 27 @56906 has 25 MA's), (42, 56969), (50, 56996), (62, 57119),

Gene: Ben11_68 Start: 57494, Stop: 57751, Start Num: 23

Candidate Starts for Ben11_68:

(2, 57242), (3, 57260), (4, 57272), (6, 57317), (13, 57452), (Start: 17 @57464 has 27 MA's), (20, 57482), (Start: 23 @57494 has 3 MA's), (Start: 25 @57503 has 13 MA's), (28, 57512), (55, 57656), (61, 57713),

Gene: Bernardo_69 Start: 57484, Stop: 57732, Start Num: 25

Candidate Starts for Bernardo_69:

(13, 57433), (Start: 17 @57445 has 27 MA's), (20, 57463), (Start: 23 @57475 has 3 MA's), (Start: 25 @57484 has 13 MA's), (28, 57493), (55, 57637), (61, 57694),

Gene: Bishoperium_68 Start: 57350, Stop: 57622, Start Num: 15

Candidate Starts for Bishoperium_68:

(Start: 15 @57350 has 135 MA's), (Start: 24 @57371 has 42 MA's), (Start: 27 @57380 has 25 MA's), (42, 57443), (50, 57470), (62, 57593),

Gene: Blackberry_69 Start: 56713, Stop: 56985, Start Num: 15

Candidate Starts for Blackberry_69:

(Start: 15 @56713 has 135 MA's), (Start: 24 @56734 has 42 MA's), (Start: 27 @56743 has 25 MA's), (42, 56806), (50, 56833), (62, 56956),

Gene: Blocker23_64 Start: 55537, Stop: 55797, Start Num: 24

Candidate Starts for Blocker23_64:

(Start: 24 @55537 has 42 MA's), (Start: 27 @55546 has 25 MA's), (37, 55591), (44, 55618), (50, 55645), (53, 55672), (58, 55714), (59, 55747), (61, 55756), (62, 55768),

Gene: BoogieWoogie_70 Start: 56786, Stop: 57058, Start Num: 15

Candidate Starts for BoogieWoogie_70:

(Start: 15 @56786 has 135 MA's), (Start: 24 @56807 has 42 MA's), (Start: 27 @56816 has 25 MA's), (42, 56879), (50, 56906), (62, 57029),

Gene: Boyle_64 Start: 55578, Stop: 55838, Start Num: 24

Candidate Starts for Boyle_64:

(Start: 24 @55578 has 42 MA's), (Start: 27 @55587 has 25 MA's), (37, 55632), (44, 55659), (50, 55686), (53, 55713), (58, 55755), (59, 55788), (61, 55797), (62, 55809),

Gene: Briakila_68 Start: 57517, Stop: 57732, Start Num: 35

Candidate Starts for Briakila_68:

(8, 57373), (30, 57499), (33, 57508), (Start: 35 @57517 has 6 MA's), (47, 57568), (61, 57694),

Gene: Brilliant_71 Start: 57319, Stop: 57591, Start Num: 15

Candidate Starts for Brilliant_71:

(Start: 15 @57319 has 135 MA's), (Start: 24 @57340 has 42 MA's), (Start: 27 @57349 has 25 MA's), (42, 57412), (50, 57439), (54, 57478), (62, 57562),

Gene: Brownie5_64 Start: 55580, Stop: 55840, Start Num: 24

Candidate Starts for Brownie5_64:

(Start: 24 @55580 has 42 MA's), (Start: 27 @55589 has 25 MA's), (37, 55634), (50, 55688), (53, 55715), (58, 55757), (59, 55790), (61, 55799), (62, 55811),

Gene: Burr_68 Start: 56786, Stop: 57058, Start Num: 15

Candidate Starts for Burr_68:

(Start: 15 @56786 has 135 MA's), (Start: 24 @56807 has 42 MA's), (Start: 27 @56816 has 25 MA's), (42, 56879), (50, 56906), (62, 57029),

Gene: Calamitous_65 Start: 55468, Stop: 55728, Start Num: 24

Candidate Starts for Calamitous_65:

(Start: 24 @55468 has 42 MA's), (Start: 27 @55477 has 25 MA's), (37, 55522), (44, 55549), (50, 55576), (53, 55603), (58, 55645), (59, 55678), (61, 55687), (62, 55699),

Gene: CamL_68 Start: 57139, Stop: 57390, Start Num: 24

Candidate Starts for CamL_68:

(Start: 15 @57118 has 135 MA's), (Start: 24 @57139 has 42 MA's), (Start: 27 @57148 has 25 MA's), (42, 57211), (50, 57238), (62, 57361),

Gene: CampRoach_69 Start: 57225, Stop: 57497, Start Num: 15

Candidate Starts for CampRoach_69:

(Start: 15 @57225 has 135 MA's), (Start: 24 @57246 has 42 MA's), (Start: 27 @57255 has 25 MA's), (42, 57318), (50, 57345), (62, 57468),

Gene: Cannibal_68 Start: 57060, Stop: 57332, Start Num: 15

Candidate Starts for Cannibal_68:

(Start: 15 @57060 has 135 MA's), (Start: 24 @57081 has 42 MA's), (Start: 27 @57090 has 25 MA's), (42, 57153), (50, 57180), (62, 57303),

Gene: Carthage_68 Start: 56724, Stop: 56996, Start Num: 15

Candidate Starts for Carthage_68:

(Start: 15 @56724 has 135 MA's), (Start: 24 @56745 has 42 MA's), (Start: 27 @56754 has 25 MA's), (42, 56817), (50, 56844), (62, 56967),

Gene: Casbah_68 Start: 57566, Stop: 57853, Start Num: 17

Candidate Starts for Casbah_68:

(2, 57344), (3, 57362), (4, 57374), (6, 57419), (13, 57554), (Start: 17 @57566 has 27 MA's), (20, 57584), (Start: 23 @57596 has 3 MA's), (Start: 25 @57605 has 13 MA's), (28, 57614), (55, 57758), (61, 57815),

Gene: ChaChing_68 Start: 57264, Stop: 57551, Start Num: 17

Candidate Starts for ChaChing_68:

(2, 57042), (3, 57060), (4, 57072), (6, 57117), (13, 57252), (Start: 17 @57264 has 27 MA's), (20, 57282), (Start: 23 @57294 has 3 MA's), (Start: 25 @57303 has 13 MA's), (28, 57312), (55, 57456), (61, 57513),

Gene: Chaelin_69 Start: 57349, Stop: 57621, Start Num: 15

Candidate Starts for Chaelin_69:

(Start: 15 @57349 has 135 MA's), (Start: 24 @57370 has 42 MA's), (Start: 27 @57379 has 25 MA's), (42, 57442), (50, 57469), (62, 57592),

Gene: Chah_69 Start: 56763, Stop: 57035, Start Num: 15

Candidate Starts for Chah_69:

(Start: 15 @56763 has 135 MA's), (Start: 24 @56784 has 42 MA's), (Start: 27 @56793 has 25 MA's), (42, 56856), (50, 56883), (62, 57006),

Gene: Chalmers_67 Start: 57697, Stop: 57984, Start Num: 17

Candidate Starts for Chalmers_67:

(2, 57475), (3, 57493), (4, 57505), (6, 57550), (13, 57685), (Start: 17 @57697 has 27 MA's), (20, 57715), (Start: 23 @57727 has 3 MA's), (Start: 25 @57736 has 13 MA's), (28, 57745), (55, 57889), (61, 57946),

Gene: Chandler_68 Start: 58065, Stop: 58313, Start Num: 25

Candidate Starts for Chandler_68:

(2, 57804), (3, 57822), (4, 57834), (6, 57879), (13, 58014), (Start: 17 @58026 has 27 MA's), (20, 58044), (Start: 23 @58056 has 3 MA's), (Start: 25 @58065 has 13 MA's), (28, 58074), (55, 58218), (61, 58275),

Gene: Charles1_69 Start: 57073, Stop: 57345, Start Num: 15

Candidate Starts for Charles1_69:

(Start: 15 @57073 has 135 MA's), (Start: 24 @57094 has 42 MA's), (Start: 27 @57103 has 25 MA's), (42, 57166), (50, 57193), (62, 57316),

Gene: CharlieGBrown_66 Start: 56715, Stop: 57017, Start Num: 14

Candidate Starts for CharlieGBrown_66:

(Start: 14 @56715 has 74 MA's), (Start: 27 @56769 has 25 MA's), (41, 56838), (51, 56880),

Gene: CheetO_67 Start: 57036, Stop: 57308, Start Num: 15

Candidate Starts for CheetO_67:

(Start: 15 @57036 has 135 MA's), (Start: 24 @57057 has 42 MA's), (Start: 27 @57066 has 25 MA's), (42, 57129), (50, 57156), (62, 57279),

Gene: Chentzyk_70 Start: 58269, Stop: 58484, Start Num: 35

Candidate Starts for Chentzyk_70:

(8, 58125), (30, 58251), (33, 58260), (Start: 35 @58269 has 6 MA's), (47, 58320), (61, 58446),

Gene: Cher_68 Start: 57320, Stop: 57622, Start Num: 14

Candidate Starts for Cher_68:

(Start: 14 @57320 has 74 MA's), (Start: 27 @57374 has 25 MA's), (41, 57443), (51, 57485),

Gene: Childish_67 Start: 57339, Stop: 57611, Start Num: 15

Candidate Starts for Childish_67:

(Start: 15 @57339 has 135 MA's), (Start: 24 @57360 has 42 MA's), (Start: 27 @57369 has 25 MA's), (42, 57432), (44, 57435), (50, 57459), (62, 57582),

Gene: Chipette_68 Start: 57029, Stop: 57301, Start Num: 15

Candidate Starts for Chipette_68:

(Start: 15 @57029 has 135 MA's), (Start: 24 @57050 has 42 MA's), (Start: 27 @57059 has 25 MA's), (42, 57122), (50, 57149), (62, 57272),

Gene: Chuni_71 Start: 57577, Stop: 57849, Start Num: 15

Candidate Starts for Chuni_71:

(Start: 15 @57577 has 135 MA's), (Start: 24 @57598 has 42 MA's), (Start: 27 @57607 has 25 MA's), (42, 57670), (50, 57697), (62, 57820),

Gene: Chunky_68 Start: 56653, Stop: 56925, Start Num: 15

Candidate Starts for Chunky_68:

(Start: 15 @56653 has 135 MA's), (Start: 24 @56674 has 42 MA's), (Start: 27 @56683 has 25 MA's), (42, 56746), (50, 56773), (62, 56896),

Gene: Cobra_68 Start: 57351, Stop: 57653, Start Num: 14

Candidate Starts for Cobra_68:

(Start: 14 @57351 has 74 MA's), (Start: 27 @57405 has 25 MA's), (41, 57474), (51, 57516),

Gene: Colbert_66 Start: 56375, Stop: 56647, Start Num: 15

Candidate Starts for Colbert_66:

(Start: 15 @56375 has 135 MA's), (Start: 24 @56396 has 42 MA's), (Start: 27 @56405 has 25 MA's), (42, 56468), (50, 56495), (62, 56618),

Gene: Coletti_71 Start: 57877, Stop: 58149, Start Num: 15

Candidate Starts for Coletti_71:

(Start: 15 @57877 has 135 MA's), (Start: 24 @57898 has 42 MA's), (Start: 27 @57907 has 25 MA's), (42, 57970), (50, 57997), (62, 58120),

Gene: Compostia_67 Start: 57686, Stop: 57934, Start Num: 25

Candidate Starts for Compostia_67:

(2, 57425), (3, 57443), (4, 57455), (6, 57500), (13, 57635), (Start: 17 @57647 has 27 MA's), (20, 57665), (Start: 23 @57677 has 3 MA's), (Start: 25 @57686 has 13 MA's), (28, 57695), (55, 57839), (61, 57896),

Gene: Cornbread_66 Start: 56841, Stop: 57113, Start Num: 15

Candidate Starts for Cornbread_66:

(Start: 15 @56841 has 135 MA's), (Start: 24 @56862 has 42 MA's), (Start: 27 @56871 has 25 MA's), (42, 56934), (50, 56961), (62, 57084),

Gene: Corofin_68 Start: 57277, Stop: 57564, Start Num: 17

Candidate Starts for Corofin_68:

(2, 57055), (3, 57073), (4, 57085), (6, 57130), (13, 57265), (Start: 17 @57277 has 27 MA's), (20, 57295), (Start: 23 @57307 has 3 MA's), (Start: 25 @57316 has 13 MA's), (28, 57325), (55, 57469), (61, 57526),

Gene: Cosmolli16_69 Start: 57541, Stop: 57792, Start Num: 24

Candidate Starts for Cosmolli16_69:

(Start: 15 @57520 has 135 MA's), (Start: 24 @57541 has 42 MA's), (Start: 27 @57550 has 25 MA's), (42, 57613), (50, 57640), (62, 57763),

Gene: Craff_71 Start: 57754, Stop: 58056, Start Num: 14

Candidate Starts for Craff_71:

(Start: 14 @57754 has 74 MA's), (Start: 27 @57808 has 25 MA's), (41, 57877), (51, 57919),

Gene: Crownjwl_66 Start: 56838, Stop: 57110, Start Num: 15

Candidate Starts for Crownjwl_66:

(Start: 15 @56838 has 135 MA's), (Start: 24 @56859 has 42 MA's), (Start: 27 @56868 has 25 MA's), (50, 56958), (62, 57081),

Gene: DaddyDaniels_70 Start: 57296, Stop: 57568, Start Num: 15

Candidate Starts for DaddyDaniels_70:

(Start: 15 @57296 has 135 MA's), (Start: 24 @57317 has 42 MA's), (Start: 27 @57326 has 25 MA's), (42, 57389), (44, 57392), (50, 57416), (62, 57539),

Gene: Daffy_66 Start: 56792, Stop: 57094, Start Num: 14

Candidate Starts for Daffy_66:

(Start: 14 @56792 has 74 MA's), (Start: 27 @56846 has 25 MA's), (41, 56915), (51, 56957),

Gene: Daisy_67 Start: 56849, Stop: 57097, Start Num: 25

Candidate Starts for Daisy_67:

(2, 56588), (3, 56606), (4, 56618), (6, 56663), (13, 56798), (Start: 17 @56810 has 27 MA's), (20, 56828), (Start: 23 @56840 has 3 MA's), (Start: 25 @56849 has 13 MA's), (28, 56858), (55, 57002), (61, 57059),

Gene: Daka_70 Start: 57306, Stop: 57608, Start Num: 14

Candidate Starts for Daka_70:

(Start: 14 @57306 has 74 MA's), (Start: 27 @57360 has 25 MA's), (41, 57429), (51, 57471),

Gene: Deenasa_68 Start: 58113, Stop: 58400, Start Num: 17

Candidate Starts for Deenasa_68:

(2, 57891), (3, 57909), (4, 57921), (6, 57966), (13, 58101), (Start: 17 @58113 has 27 MA's), (20, 58131), (Start: 23 @58143 has 3 MA's), (Start: 25 @58152 has 13 MA's), (28, 58161), (55, 58305), (61, 58362),

Gene: DelRivs_66 Start: 56786, Stop: 57058, Start Num: 15

Candidate Starts for DelRivs_66:

(Start: 15 @56786 has 135 MA's), (Start: 24 @56807 has 42 MA's), (Start: 27 @56816 has 25 MA's), (50, 56906), (62, 57029),

Gene: Derpp_68 Start: 56891, Stop: 57193, Start Num: 14

Candidate Starts for Derpp_68:

(Start: 14 @56891 has 74 MA's), (Start: 27 @56945 has 25 MA's), (41, 57014), (51, 57056),

Gene: Devonte_67 Start: 56889, Stop: 57176, Start Num: 17

Candidate Starts for Devonte_67:

(2, 56667), (3, 56685), (4, 56697), (6, 56742), (13, 56877), (Start: 17 @56889 has 27 MA's), (20, 56907), (Start: 23 @56919 has 3 MA's), (Start: 25 @56928 has 13 MA's), (28, 56937), (55, 57081), (61, 57138),

Gene: Dice_67 Start: 56784, Stop: 57056, Start Num: 15

Candidate Starts for Dice_67:

(Start: 15 @56784 has 135 MA's), (Start: 24 @56805 has 42 MA's), (Start: 27 @56814 has 25 MA's), (42, 56877), (50, 56904), (62, 57027),

Gene: Dione_66 Start: 56518, Stop: 56790, Start Num: 15

Candidate Starts for Dione_66:

(Start: 15 @56518 has 135 MA's), (Start: 24 @56539 has 42 MA's), (Start: 27 @56548 has 25 MA's), (42, 56611), (50, 56638), (62, 56761),

Gene: DirtJuice_68 Start: 57097, Stop: 57399, Start Num: 14

Candidate Starts for DirtJuice_68:

(Start: 14 @57097 has 74 MA's), (Start: 27 @57151 has 25 MA's), (41, 57220), (51, 57262),

Gene: Doddsville_66 Start: 56854, Stop: 57156, Start Num: 14

Candidate Starts for Doddsville_66:

(Start: 14 @56854 has 74 MA's), (Start: 27 @56908 has 25 MA's), (41, 56977), (51, 57019),

Gene: DoesntMatter_65 Start: 56808, Stop: 57080, Start Num: 15

Candidate Starts for DoesntMatter_65:

(Start: 15 @56808 has 135 MA's), (Start: 24 @56829 has 42 MA's), (Start: 27 @56838 has 25 MA's), (42, 56901), (50, 56928), (62, 57051),

Gene: Donny_68 Start: 58302, Stop: 58586, Start Num: 16

Candidate Starts for Donny_68:

(Start: 16 @58302 has 5 MA's), (Start: 21 @58329 has 2 MA's), (Start: 24 @58338 has 42 MA's), (44, 58404), (55, 58482), (60, 58536), (62, 58551), (63, 58572),

Gene: DuchessDung_67 Start: 56370, Stop: 56672, Start Num: 14

Candidate Starts for DuchessDung_67:

(Start: 14 @56370 has 74 MA's), (Start: 27 @56424 has 25 MA's), (41, 56493), (51, 56535),

Gene: Duggie_68 Start: 57082, Stop: 57333, Start Num: 24

Candidate Starts for Duggie_68:

(Start: 24 @57082 has 42 MA's), (Start: 27 @57091 has 25 MA's), (50, 57181), (62, 57304),

Gene: Durga_70 Start: 57651, Stop: 57899, Start Num: 27

Candidate Starts for Durga_70:

(Start: 14 @57597 has 74 MA's), (Start: 27 @57651 has 25 MA's), (41, 57720), (51, 57762),

Gene: Eaglehorse_64 Start: 55458, Stop: 55718, Start Num: 24

Candidate Starts for Eaglehorse_64:

(Start: 24 @55458 has 42 MA's), (Start: 27 @55467 has 25 MA's), (37, 55512), (44, 55539), (50, 55566), (53, 55593), (58, 55635), (59, 55668), (61, 55677), (62, 55689),

Gene: EastView9101_66 Start: 58038, Stop: 58286, Start Num: 24

Candidate Starts for EastView9101_66:

(Start: 16 @58002 has 5 MA's), (Start: 21 @58029 has 2 MA's), (Start: 24 @58038 has 42 MA's), (44, 58104), (55, 58182), (60, 58236), (63, 58272),

Gene: Emiris_69 Start: 57560, Stop: 57808, Start Num: 27

Candidate Starts for Emiris_69:

(Start: 14 @57506 has 74 MA's), (Start: 27 @57560 has 25 MA's), (41, 57629), (51, 57671),

Gene: EmpTee_67 Start: 57028, Stop: 57300, Start Num: 15

Candidate Starts for EmpTee_67:

(Start: 15 @57028 has 135 MA's), (Start: 24 @57049 has 42 MA's), (Start: 27 @57058 has 25 MA's), (42, 57121), (50, 57148), (62, 57271),

Gene: Eremos_67 Start: 57023, Stop: 57295, Start Num: 15

Candidate Starts for Eremos_67:

(Start: 15 @57023 has 135 MA's), (Start: 24 @57044 has 42 MA's), (Start: 27 @57053 has 25 MA's), (42, 57116), (50, 57143), (62, 57266),

Gene: Etaye_67 Start: 57703, Stop: 57951, Start Num: 27

Candidate Starts for Etaye_67:

(Start: 14 @57649 has 74 MA's), (Start: 27 @57703 has 25 MA's), (41, 57772), (51, 57814),

Gene: Fang_69 Start: 57339, Stop: 57641, Start Num: 14

Candidate Starts for Fang_69:

(Start: 14 @57339 has 74 MA's), (Start: 27 @57393 has 25 MA's), (41, 57462), (51, 57504),

Gene: FleetyMac_68 Start: 56999, Stop: 57271, Start Num: 15

Candidate Starts for FleetyMac_68:

(Start: 15 @56999 has 135 MA's), (Start: 24 @57020 has 42 MA's), (Start: 27 @57029 has 25 MA's), (42, 57092), (50, 57119), (62, 57242),

Gene: FluffyNinja_68 Start: 57071, Stop: 57373, Start Num: 14

Candidate Starts for FluffyNinja_68:

(Start: 14 @57071 has 74 MA's), (Start: 27 @57125 has 25 MA's), (41, 57194), (51, 57236),

Gene: Frankicide_66 Start: 56878, Stop: 57120, Start Num: 27

Candidate Starts for Frankicide_66:

(Start: 15 @56848 has 135 MA's), (Start: 24 @56869 has 42 MA's), (Start: 27 @56878 has 25 MA's), (50, 56968), (62, 57091),

Gene: FrenchFry_65 Start: 55583, Stop: 55843, Start Num: 24

Candidate Starts for FrenchFry_65:

(Start: 24 @55583 has 42 MA's), (Start: 27 @55592 has 25 MA's), (37, 55637), (44, 55664), (50, 55691), (53, 55718), (58, 55760), (59, 55793), (61, 55802), (62, 55814),

Gene: Freya_65 Start: 56508, Stop: 56780, Start Num: 15

Candidate Starts for Freya_65:

(Start: 15 @56508 has 135 MA's), (Start: 24 @56529 has 42 MA's), (Start: 27 @56538 has 25 MA's),
(42, 56601), (50, 56628), (62, 56751),

Gene: FriarPreacher_66 Start: 56890, Stop: 57192, Start Num: 14

Candidate Starts for FriarPreacher_66:

(Start: 14 @56890 has 74 MA's), (Start: 27 @56944 has 25 MA's), (41, 57013), (51, 57055),

Gene: Fringe_72 Start: 57683, Stop: 57955, Start Num: 15

Candidate Starts for Fringe_72:

(Start: 15 @57683 has 135 MA's), (Start: 24 @57704 has 42 MA's), (Start: 27 @57713 has 25 MA's),
(42, 57776), (50, 57803), (62, 57926),

Gene: FugateOSU_68 Start: 57843, Stop: 58145, Start Num: 14

Candidate Starts for FugateOSU_68:

(Start: 14 @57843 has 74 MA's), (Start: 27 @57897 has 25 MA's), (41, 57966), (51, 58008),

Gene: Gadget_69 Start: 57577, Stop: 57864, Start Num: 17

Candidate Starts for Gadget_69:

(2, 57355), (3, 57373), (4, 57385), (6, 57430), (13, 57565), (Start: 17 @57577 has 27 MA's), (20,
57595), (Start: 23 @57607 has 3 MA's), (Start: 25 @57616 has 13 MA's), (28, 57625), (55, 57769),
(61, 57826),

Gene: Gareth_68 Start: 57304, Stop: 57576, Start Num: 15

Candidate Starts for Gareth_68:

(Start: 15 @57304 has 135 MA's), (Start: 24 @57325 has 42 MA's), (Start: 27 @57334 has 25 MA's),
(42, 57397), (50, 57424), (62, 57547),

Gene: Gervas_69 Start: 57701, Stop: 57958, Start Num: 23

Candidate Starts for Gervas_69:

(2, 57449), (3, 57467), (4, 57479), (6, 57524), (13, 57659), (Start: 17 @57671 has 27 MA's), (20,
57689), (Start: 23 @57701 has 3 MA's), (Start: 25 @57710 has 13 MA's), (28, 57719), (55, 57863),
(61, 57920),

Gene: Giraffe_68 Start: 57299, Stop: 57571, Start Num: 15

Candidate Starts for Giraffe_68:

(Start: 15 @57299 has 135 MA's), (Start: 24 @57320 has 42 MA's), (Start: 27 @57329 has 25 MA's),
(42, 57392), (50, 57419), (62, 57542),

Gene: Glass_65 Start: 55585, Stop: 55845, Start Num: 24

Candidate Starts for Glass_65:

(Start: 24 @55585 has 42 MA's), (Start: 27 @55594 has 25 MA's), (37, 55639), (44, 55666), (50,
55693), (53, 55720), (58, 55762), (59, 55795), (61, 55804), (62, 55816),

Gene: GlenHope_69 Start: 57237, Stop: 57524, Start Num: 17

Candidate Starts for GlenHope_69:

(2, 57015), (3, 57033), (4, 57045), (6, 57090), (13, 57225), (Start: 17 @57237 has 27 MA's), (20,
57255), (Start: 23 @57267 has 3 MA's), (Start: 25 @57276 has 13 MA's), (28, 57285), (55, 57429),
(61, 57486),

Gene: Glubnar_69 Start: 57143, Stop: 57430, Start Num: 17

Candidate Starts for Glubnar_69:

(2, 56921), (3, 56939), (4, 56951), (6, 56996), (13, 57131), (Start: 17 @57143 has 27 MA's), (20, 57161), (Start: 23 @57173 has 3 MA's), (Start: 25 @57182 has 13 MA's), (28, 57191), (55, 57335), (61, 57392),

Gene: Godines_65 Start: 55844, Stop: 56104, Start Num: 24

Candidate Starts for Godines_65:

(Start: 24 @55844 has 42 MA's), (Start: 27 @55853 has 25 MA's), (37, 55898), (44, 55925), (50, 55952), (53, 55979), (58, 56021), (59, 56054), (61, 56063), (62, 56075),

Gene: Gophee_69 Start: 57290, Stop: 57562, Start Num: 15

Candidate Starts for Gophee_69:

(Start: 15 @57290 has 135 MA's), (Start: 24 @57311 has 42 MA's), (Start: 27 @57320 has 25 MA's), (42, 57383), (50, 57410), (62, 57533),

Gene: Gwennie1_67 Start: 57190, Stop: 57462, Start Num: 15

Candidate Starts for Gwennie1_67:

(Start: 15 @57190 has 135 MA's), (Start: 24 @57211 has 42 MA's), (Start: 27 @57220 has 25 MA's), (50, 57310), (62, 57433),

Gene: Gwilliam_69 Start: 57728, Stop: 57970, Start Num: 27

Candidate Starts for Gwilliam_69:

(Start: 15 @57698 has 135 MA's), (Start: 24 @57719 has 42 MA's), (Start: 27 @57728 has 25 MA's), (50, 57818), (62, 57941),

Gene: HSavage_66 Start: 56826, Stop: 57098, Start Num: 15

Candidate Starts for HSavage_66:

(Start: 15 @56826 has 135 MA's), (Start: 24 @56847 has 42 MA's), (Start: 27 @56856 has 25 MA's), (42, 56919), (50, 56946), (62, 57069),

Gene: Haimas_66 Start: 56790, Stop: 57092, Start Num: 14

Candidate Starts for Haimas_66:

(Start: 14 @56790 has 74 MA's), (Start: 27 @56844 has 25 MA's), (41, 56913), (51, 56955),

Gene: Haleema_67 Start: 56845, Stop: 57117, Start Num: 15

Candidate Starts for Haleema_67:

(Start: 15 @56845 has 135 MA's), (Start: 24 @56866 has 42 MA's), (Start: 27 @56875 has 25 MA's), (42, 56938), (50, 56965), (62, 57088),

Gene: Halfpint_67 Start: 56988, Stop: 57275, Start Num: 17

Candidate Starts for Halfpint_67:

(2, 56766), (3, 56784), (4, 56796), (6, 56841), (13, 56976), (Start: 17 @56988 has 27 MA's), (20, 57006), (Start: 23 @57018 has 3 MA's), (Start: 25 @57027 has 13 MA's), (28, 57036), (55, 57180), (61, 57237),

Gene: Hartsy_67 Start: 56987, Stop: 57259, Start Num: 15

Candidate Starts for Hartsy_67:

(Start: 15 @56987 has 135 MA's), (Start: 24 @57008 has 42 MA's), (Start: 27 @57017 has 25 MA's), (42, 57080), (50, 57107), (62, 57230),

Gene: Harvey_65 Start: 56819, Stop: 57121, Start Num: 14

Candidate Starts for Harvey_65:

(Start: 14 @56819 has 74 MA's), (Start: 27 @56873 has 25 MA's), (41, 56942), (51, 56984),

Gene: HarveySr_67 Start: 56727, Stop: 56969, Start Num: 26

Candidate Starts for HarveySr_67:

(9, 56631), (Start: 17 @56685 has 27 MA's), (Start: 26 @56727 has 2 MA's), (31, 56739), (52, 56841), (55, 56877), (61, 56934),

Gene: Hashim76_70 Start: 58554, Stop: 58817, Start Num: 29

Candidate Starts for Hashim76_70:

(19, 58521), (Start: 29 @58554 has 1 MA's), (32, 58563), (52, 58665), (54, 58686), (64, 58797),

Gene: Heathcliff_68 Start: 57204, Stop: 57491, Start Num: 17

Candidate Starts for Heathcliff_68:

(2, 56982), (3, 57000), (4, 57012), (6, 57057), (13, 57192), (Start: 17 @57204 has 27 MA's), (20, 57222), (Start: 23 @57234 has 3 MA's), (Start: 25 @57243 has 13 MA's), (28, 57252), (55, 57396), (61, 57453),

Gene: Hedgerow_64 Start: 55555, Stop: 55815, Start Num: 24

Candidate Starts for Hedgerow_64:

(Start: 24 @55555 has 42 MA's), (Start: 27 @55564 has 25 MA's), (37, 55609), (44, 55636), (50, 55663), (53, 55690), (58, 55732), (59, 55765), (61, 55774), (62, 55786),

Gene: Held_66 Start: 56793, Stop: 57095, Start Num: 14

Candidate Starts for Held_66:

(Start: 14 @56793 has 74 MA's), (Start: 27 @56847 has 25 MA's), (41, 56916), (51, 56958),

Gene: HenryJackson_68 Start: 57328, Stop: 57600, Start Num: 15

Candidate Starts for HenryJackson_68:

(Start: 15 @57328 has 135 MA's), (Start: 24 @57349 has 42 MA's), (Start: 27 @57358 has 25 MA's), (42, 57421), (44, 57424), (50, 57448), (62, 57571),

Gene: Hertubise_67 Start: 57094, Stop: 57366, Start Num: 15

Candidate Starts for Hertubise_67:

(Start: 15 @57094 has 135 MA's), (Start: 24 @57115 has 42 MA's), (Start: 27 @57124 has 25 MA's), (42, 57187), (50, 57214), (62, 57337),

Gene: Hetaeria_67 Start: 57034, Stop: 57306, Start Num: 15

Candidate Starts for Hetaeria_67:

(Start: 15 @57034 has 135 MA's), (Start: 24 @57055 has 42 MA's), (Start: 27 @57064 has 25 MA's), (42, 57127), (50, 57154), (62, 57277),

Gene: HighStump_69 Start: 57296, Stop: 57598, Start Num: 14

Candidate Starts for HighStump_69:

(Start: 14 @57296 has 74 MA's), (Start: 27 @57350 has 25 MA's), (41, 57419), (51, 57461),

Gene: Holeinone_64 Start: 55443, Stop: 55703, Start Num: 24

Candidate Starts for Holeinone_64:

(Start: 24 @55443 has 42 MA's), (Start: 27 @55452 has 25 MA's), (37, 55497), (44, 55524), (50, 55551), (53, 55578), (58, 55620), (59, 55653), (61, 55662), (62, 55674),

Gene: Iridessa_69 Start: 56753, Stop: 57025, Start Num: 15

Candidate Starts for Iridessa_69:

(Start: 15 @56753 has 135 MA's), (Start: 24 @56774 has 42 MA's), (Start: 27 @56783 has 25 MA's), (42, 56846), (50, 56873), (62, 56996),

Gene: Iridoclysis_67 Start: 57107, Stop: 57409, Start Num: 14

Candidate Starts for Iridoclysis_67:

(Start: 14 @57107 has 74 MA's), (Start: 27 @57161 has 25 MA's), (41, 57230), (51, 57272),

Gene: IsaacEli_69 Start: 57317, Stop: 57589, Start Num: 15

Candidate Starts for IsaacEli_69:

(Start: 15 @57317 has 135 MA's), (Start: 24 @57338 has 42 MA's), (Start: 27 @57347 has 25 MA's), (42, 57410), (50, 57437), (62, 57560),

Gene: ItsyBitsy1_63 Start: 55673, Stop: 55933, Start Num: 24

Candidate Starts for ItsyBitsy1_63:

(Start: 24 @55673 has 42 MA's), (Start: 27 @55682 has 25 MA's), (37, 55727), (44, 55754), (50, 55781), (53, 55808), (58, 55850), (59, 55883), (61, 55892), (62, 55904),

Gene: JDog_67 Start: 57338, Stop: 57610, Start Num: 15

Candidate Starts for JDog_67:

(Start: 15 @57338 has 135 MA's), (Start: 24 @57359 has 42 MA's), (Start: 27 @57368 has 25 MA's), (42, 57431), (50, 57458), (62, 57581),

Gene: JacAttac_68 Start: 56782, Stop: 57054, Start Num: 15

Candidate Starts for JacAttac_68:

(Start: 15 @56782 has 135 MA's), (Start: 24 @56803 has 42 MA's), (Start: 27 @56812 has 25 MA's), (42, 56875), (50, 56902), (62, 57025),

Gene: Jackstina_64 Start: 57129, Stop: 57416, Start Num: 17

Candidate Starts for Jackstina_64:

(2, 56907), (3, 56925), (4, 56937), (6, 56982), (13, 57117), (Start: 17 @57129 has 27 MA's), (20, 57147), (Start: 23 @57159 has 3 MA's), (Start: 25 @57168 has 13 MA's), (28, 57177), (55, 57321), (61, 57378),

Gene: JakeO_69 Start: 57084, Stop: 57335, Start Num: 24

Candidate Starts for JakeO_69:

(Start: 24 @57084 has 42 MA's), (Start: 27 @57093 has 25 MA's), (42, 57156), (50, 57183), (62, 57306),

Gene: JangoPhett_102 Start: 57123, Stop: 57395, Start Num: 15

Candidate Starts for JangoPhett_102:

(Start: 15 @57123 has 135 MA's), (Start: 24 @57144 has 42 MA's), (Start: 27 @57153 has 25 MA's), (42, 57216), (50, 57243), (62, 57366),

Gene: Jesabah_70 Start: 57918, Stop: 58190, Start Num: 15

Candidate Starts for Jesabah_70:

(Start: 15 @57918 has 135 MA's), (Start: 24 @57939 has 42 MA's), (Start: 27 @57948 has 25 MA's), (42, 58011), (50, 58038), (62, 58161),

Gene: Jillium_68 Start: 57323, Stop: 57595, Start Num: 15

Candidate Starts for Jillium_68:

(Start: 15 @57323 has 135 MA's), (Start: 24 @57344 has 42 MA's), (Start: 27 @57353 has 25 MA's), (42, 57416), (50, 57443), (62, 57566),

Gene: Jiraiya_69 Start: 57095, Stop: 57367, Start Num: 15

Candidate Starts for Jiraiya_69:

(Start: 15 @57095 has 135 MA's), (Start: 24 @57116 has 42 MA's), (Start: 27 @57125 has 25 MA's), (50, 57215), (62, 57338),

Gene: KLUcky39_66 Start: 56669, Stop: 56941, Start Num: 15

Candidate Starts for KLUcky39_66:

(Start: 15 @56669 has 135 MA's), (Start: 24 @56690 has 42 MA's), (Start: 27 @56699 has 25 MA's), (42, 56762), (50, 56789), (62, 56912),

Gene: Kahve_68 Start: 57325, Stop: 57597, Start Num: 15

Candidate Starts for Kahve_68:

(Start: 15 @57325 has 135 MA's), (Start: 24 @57346 has 42 MA's), (Start: 27 @57355 has 25 MA's), (42, 57418), (44, 57421), (50, 57445), (62, 57568),

Gene: Kailash_66 Start: 57214, Stop: 57516, Start Num: 14

Candidate Starts for Kailash_66:

(Start: 14 @57214 has 74 MA's), (Start: 27 @57268 has 25 MA's), (41, 57337), (51, 57379),

Gene: Kamiyu_68 Start: 57245, Stop: 57493, Start Num: 25

Candidate Starts for Kamiyu_68:

(2, 56984), (3, 57002), (4, 57014), (6, 57059), (13, 57194), (Start: 17 @57206 has 27 MA's), (20, 57224), (Start: 23 @57236 has 3 MA's), (Start: 25 @57245 has 13 MA's), (28, 57254), (55, 57398), (61, 57455),

Gene: Katniss_69 Start: 56765, Stop: 57037, Start Num: 15

Candidate Starts for Katniss_69:

(Start: 15 @56765 has 135 MA's), (Start: 24 @56786 has 42 MA's), (Start: 27 @56795 has 25 MA's), (42, 56858), (50, 56885), (62, 57008),

Gene: Keitherie_70 Start: 57387, Stop: 57659, Start Num: 15

Candidate Starts for Keitherie_70:

(Start: 15 @57387 has 135 MA's), (Start: 24 @57408 has 42 MA's), (Start: 27 @57417 has 25 MA's), (42, 57480), (50, 57507), (62, 57630),

Gene: Kheth_64 Start: 55502, Stop: 55762, Start Num: 24

Candidate Starts for Kheth_64:

(Start: 24 @55502 has 42 MA's), (Start: 27 @55511 has 25 MA's), (37, 55556), (44, 55583), (50, 55610), (53, 55637), (58, 55679), (59, 55712), (61, 55721), (62, 55733),

Gene: Kikipoo_69 Start: 57317, Stop: 57589, Start Num: 15

Candidate Starts for Kikipoo_69:

(Start: 15 @57317 has 135 MA's), (Start: 24 @57338 has 42 MA's), (Start: 27 @57347 has 25 MA's), (42, 57410), (50, 57437), (62, 57560),

Gene: Kimbrough_69 Start: 57367, Stop: 57639, Start Num: 15

Candidate Starts for Kimbrough_69:

(Start: 15 @57367 has 135 MA's), (Start: 24 @57388 has 42 MA's), (Start: 27 @57397 has 25 MA's), (42, 57460), (50, 57487), (62, 57610),

Gene: KingTut_59 Start: 53521, Stop: 53823, Start Num: 14

Candidate Starts for KingTut_59:

(Start: 14 @53521 has 74 MA's), (Start: 27 @53575 has 25 MA's), (41, 53644), (51, 53686),

Gene: KingVeVeVe_66 Start: 56324, Stop: 56626, Start Num: 14

Candidate Starts for KingVeVeVe_66:

(Start: 14 @56324 has 74 MA's), (Start: 27 @56378 has 25 MA's), (41, 56447), (51, 56489),

Gene: KlimbOn_67 Start: 56826, Stop: 57098, Start Num: 15

Candidate Starts for KlimbOn_67:

(Start: 15 @56826 has 135 MA's), (Start: 24 @56847 has 42 MA's), (Start: 27 @56856 has 25 MA's), (42, 56919), (50, 56946), (62, 57069),

Gene: Kloppinator_68 Start: 56982, Stop: 57284, Start Num: 14

Candidate Starts for Kloppinator_68:

(Start: 14 @56982 has 74 MA's), (Start: 27 @57036 has 25 MA's), (41, 57105), (51, 57147),

Gene: Kolhan_65 Start: 55479, Stop: 55739, Start Num: 24

Candidate Starts for Kolhan_65:

(Start: 24 @55479 has 42 MA's), (Start: 27 @55488 has 25 MA's), (37, 55533), (44, 55560), (50, 55587), (53, 55614), (58, 55656), (59, 55689), (61, 55698), (62, 55710),

Gene: Kronus_68 Start: 58341, Stop: 58589, Start Num: 25

Candidate Starts for Kronus_68:

(2, 58080), (3, 58098), (4, 58110), (6, 58155), (13, 58290), (Start: 17 @58302 has 27 MA's), (20, 58320), (Start: 23 @58332 has 3 MA's), (Start: 25 @58341 has 13 MA's), (28, 58350), (55, 58494), (61, 58551),

Gene: Kwadwo_67 Start: 56776, Stop: 57048, Start Num: 15

Candidate Starts for Kwadwo_67:

(Start: 15 @56776 has 135 MA's), (Start: 24 @56797 has 42 MA's), (Start: 27 @56806 has 25 MA's), (42, 56869), (50, 56896), (62, 57019),

Gene: Kwksand96_68 Start: 56903, Stop: 57205, Start Num: 14

Candidate Starts for Kwksand96_68:

(Start: 14 @56903 has 74 MA's), (Start: 27 @56957 has 25 MA's), (41, 57026), (51, 57068),

Gene: Labeouficaum_68 Start: 56891, Stop: 57193, Start Num: 14

Candidate Starts for Labeouficaum_68:

(Start: 14 @56891 has 74 MA's), (Start: 27 @56945 has 25 MA's), (41, 57014), (51, 57056),

Gene: Lars_65 Start: 55572, Stop: 55823, Start Num: 27

Candidate Starts for Lars_65:

(Start: 24 @55563 has 42 MA's), (Start: 27 @55572 has 25 MA's), (37, 55617), (44, 55644), (50, 55671), (53, 55698), (58, 55740), (59, 55773), (61, 55782), (62, 55794),

Gene: Laurie_64 Start: 55263, Stop: 55523, Start Num: 24

Candidate Starts for Laurie_64:

(Start: 24 @55263 has 42 MA's), (Start: 27 @55272 has 25 MA's), (37, 55317), (44, 55344), (50, 55371), (53, 55398), (58, 55440), (59, 55473), (61, 55482), (62, 55494),

Gene: LeeLot_67 Start: 57397, Stop: 57699, Start Num: 14

Candidate Starts for LeeLot_67:

(Start: 14 @57397 has 74 MA's), (Start: 27 @57451 has 25 MA's), (41, 57520), (51, 57562),

Gene: Lego3393_65 Start: 57349, Stop: 57651, Start Num: 14

Candidate Starts for Lego3393_65:

(Start: 14 @57349 has 74 MA's), (Start: 27 @57403 has 25 MA's), (41, 57472), (51, 57514),

Gene: Legolas_69 Start: 57190, Stop: 57438, Start Num: 27

Candidate Starts for Legolas_69:

(Start: 14 @57136 has 74 MA's), (Start: 27 @57190 has 25 MA's), (41, 57259), (51, 57301),

Gene: LeiMonet_71 Start: 57269, Stop: 57541, Start Num: 15

Candidate Starts for LeiMonet_71:

(Start: 15 @57269 has 135 MA's), (Start: 24 @57290 has 42 MA's), (Start: 27 @57299 has 25 MA's), (42, 57362), (50, 57389), (62, 57512),

Gene: LemonSlice_68 Start: 56788, Stop: 57090, Start Num: 14

Candidate Starts for LemonSlice_68:

(Start: 14 @56788 has 74 MA's), (Start: 27 @56842 has 25 MA's), (41, 56911), (51, 56953),

Gene: Lephleur_64 Start: 55428, Stop: 55688, Start Num: 24

Candidate Starts for Lephleur_64:

(Start: 24 @55428 has 42 MA's), (Start: 27 @55437 has 25 MA's), (37, 55482), (44, 55509), (50, 55536), (53, 55563), (58, 55605), (59, 55638), (61, 55647), (62, 55659),

Gene: LestyG_66 Start: 56771, Stop: 57019, Start Num: 25

Candidate Starts for LestyG_66:

(2, 56510), (3, 56528), (4, 56540), (6, 56585), (13, 56720), (Start: 17 @56732 has 27 MA's), (20, 56750), (Start: 23 @56762 has 3 MA's), (Start: 25 @56771 has 13 MA's), (28, 56780), (55, 56924), (61, 56981),

Gene: LilMcDreamy_64 Start: 57921, Stop: 58187, Start Num: 22

Candidate Starts for LilMcDreamy_64:

(Start: 22 @57921 has 1 MA's), (Start: 24 @57930 has 42 MA's), (36, 57972), (40, 57993), (41, 57999), (52, 58047),

Gene: LilSmirk_64 Start: 55461, Stop: 55721, Start Num: 24

Candidate Starts for LilSmirk_64:

(Start: 24 @55461 has 42 MA's), (Start: 27 @55470 has 25 MA's), (37, 55515), (44, 55542), (50, 55569), (53, 55596), (58, 55638), (59, 55671), (61, 55680), (62, 55692),

Gene: LittleMinkey_75 Start: 58467, Stop: 58718, Start Num: 32

Candidate Starts for LittleMinkey_75:

(19, 58425), (Start: 29 @58458 has 1 MA's), (32, 58467), (49, 58551), (52, 58581),

Gene: LizLemon_64 Start: 55590, Stop: 55850, Start Num: 24

Candidate Starts for LizLemon_64:

(Start: 24 @55590 has 42 MA's), (Start: 27 @55599 has 25 MA's), (37, 55644), (44, 55671), (50, 55698), (53, 55725), (58, 55767), (59, 55800), (61, 55809), (62, 55821),

Gene: Longacauda_69 Start: 57172, Stop: 57444, Start Num: 15

Candidate Starts for Longacauda_69:

(Start: 15 @57172 has 135 MA's), (Start: 24 @57193 has 42 MA's), (Start: 27 @57202 has 25 MA's), (42, 57265), (50, 57292), (62, 57415),

Gene: LostAndPhound_67 Start: 57395, Stop: 57643, Start Num: 27

Candidate Starts for LostAndPhound_67:

(Start: 14 @57341 has 74 MA's), (Start: 27 @57395 has 25 MA's), (41, 57464), (51, 57506),

Gene: LuckyMarjie_65 Start: 56527, Stop: 56799, Start Num: 15

Candidate Starts for LuckyMarjie_65:

(Start: 15 @56527 has 135 MA's), (Start: 24 @56548 has 42 MA's), (Start: 27 @56557 has 25 MA's), (42, 56620), (50, 56647), (62, 56770),

Gene: Lulumae_65 Start: 56511, Stop: 56783, Start Num: 15

Candidate Starts for Lulumae_65:

(Start: 15 @56511 has 135 MA's), (Start: 24 @56532 has 42 MA's), (Start: 27 @56541 has 25 MA's), (42, 56604), (50, 56631), (62, 56754),

Gene: Lulwa_66 Start: 56139, Stop: 56381, Start Num: 27

Candidate Starts for Lulwa_66:

(Start: 15 @56109 has 135 MA's), (Start: 24 @56130 has 42 MA's), (Start: 27 @56139 has 25 MA's), (42, 56202), (50, 56229), (62, 56352),

Gene: Lumine_69 Start: 56995, Stop: 57267, Start Num: 15

Candidate Starts for Lumine_69:

(Start: 15 @56995 has 135 MA's), (Start: 24 @57016 has 42 MA's), (Start: 27 @57025 has 25 MA's), (42, 57088), (50, 57115), (62, 57238),

Gene: MRabcd_67 Start: 57164, Stop: 57412, Start Num: 27

Candidate Starts for MRabcd_67:

(Start: 14 @57110 has 74 MA's), (Start: 27 @57164 has 25 MA's), (41, 57233), (51, 57275),

Gene: Mag7_66 Start: 56812, Stop: 57060, Start Num: 27

Candidate Starts for Mag7_66:

(Start: 14 @56758 has 74 MA's), (Start: 27 @56812 has 25 MA's), (41, 56881), (51, 56923),

Gene: Mana_66 Start: 56783, Stop: 57085, Start Num: 14

Candidate Starts for Mana_66:

(Start: 14 @56783 has 74 MA's), (Start: 27 @56837 has 25 MA's), (41, 56906), (51, 56948),

Gene: Manad_67 Start: 57078, Stop: 57350, Start Num: 15

Candidate Starts for Manad_67:

(Start: 15 @57078 has 135 MA's), (Start: 24 @57099 has 42 MA's), (Start: 27 @57108 has 25 MA's), (42, 57171), (50, 57198), (62, 57321),

Gene: Marley1013_69 Start: 58226, Stop: 58441, Start Num: 35

Candidate Starts for Marley1013_69:

(8, 58082), (30, 58208), (33, 58217), (Start: 35 @58226 has 6 MA's), (47, 58277), (61, 58403),

Gene: Marlia_69 Start: 57714, Stop: 57962, Start Num: 25

Candidate Starts for Marlia_69:

(2, 57453), (3, 57471), (4, 57483), (6, 57528), (13, 57663), (Start: 17 @57675 has 27 MA's), (20, 57693), (Start: 23 @57705 has 3 MA's), (Start: 25 @57714 has 13 MA's), (28, 57723), (55, 57867), (61, 57924),

Gene: Maru_67 Start: 57222, Stop: 57524, Start Num: 14

Candidate Starts for Maru_67:

(Start: 14 @57222 has 74 MA's), (Start: 27 @57276 has 25 MA's), (41, 57345), (51, 57387),

Gene: MasterPo_65 Start: 55460, Stop: 55720, Start Num: 24

Candidate Starts for MasterPo_65:

(Start: 24 @55460 has 42 MA's), (Start: 27 @55469 has 25 MA's), (37, 55514), (44, 55541), (50, 55568), (53, 55595), (58, 55637), (59, 55670), (61, 55679), (62, 55691),

Gene: Matalotodo_66 Start: 57622, Stop: 57924, Start Num: 14

Candidate Starts for Matalotodo_66:

(Start: 14 @57622 has 74 MA's), (Start: 27 @57676 has 25 MA's), (41, 57745), (51, 57787),

Gene: Mcshane_67 Start: 56789, Stop: 57061, Start Num: 15

Candidate Starts for Mcshane_67:

(Start: 15 @56789 has 135 MA's), (Start: 24 @56810 has 42 MA's), (Start: 27 @56819 has 25 MA's), (42, 56882), (50, 56909), (62, 57032),

Gene: Mecca_68 Start: 57354, Stop: 57626, Start Num: 15

Candidate Starts for Mecca_68:

(Start: 15 @57354 has 135 MA's), (Start: 24 @57375 has 42 MA's), (Start: 27 @57384 has 25 MA's), (42, 57447), (50, 57474), (62, 57597),

Gene: Megatron_68 Start: 57304, Stop: 57576, Start Num: 15

Candidate Starts for Megatron_68:

(Start: 15 @57304 has 135 MA's), (Start: 24 @57325 has 42 MA's), (Start: 27 @57334 has 25 MA's), (42, 57397), (50, 57424), (62, 57547),

Gene: Mesh1_68 Start: 57358, Stop: 57660, Start Num: 14

Candidate Starts for Mesh1_68:

(Start: 14 @57358 has 74 MA's), (Start: 27 @57412 has 25 MA's), (41, 57481), (51, 57523),

Gene: Mesmerelda_67 Start: 57347, Stop: 57619, Start Num: 15

Candidate Starts for Mesmerelda_67:

(Start: 15 @57347 has 135 MA's), (Start: 24 @57368 has 42 MA's), (Start: 27 @57377 has 25 MA's), (42, 57440), (50, 57467), (62, 57590),

Gene: MichaelPhcott_66 Start: 56755, Stop: 57057, Start Num: 14

Candidate Starts for MichaelPhcott_66:

(Start: 14 @56755 has 74 MA's), (Start: 27 @56809 has 25 MA's), (41, 56878), (51, 56920),

Gene: MitKao_67 Start: 56792, Stop: 57094, Start Num: 14

Candidate Starts for MitKao_67:

(Start: 14 @56792 has 74 MA's), (Start: 27 @56846 has 25 MA's), (41, 56915), (51, 56957),

Gene: MmasiCarm_69 Start: 57696, Stop: 57944, Start Num: 25

Candidate Starts for MmasiCarm_69:

(2, 57435), (3, 57453), (4, 57465), (6, 57510), (13, 57645), (Start: 17 @57657 has 27 MA's), (20, 57675), (Start: 23 @57687 has 3 MA's), (Start: 25 @57696 has 13 MA's), (28, 57705), (55, 57849), (61, 57906),

Gene: Morgushi_66 Start: 56781, Stop: 57083, Start Num: 14

Candidate Starts for Morgushi_66:

(Start: 14 @56781 has 74 MA's), (Start: 27 @56835 has 25 MA's), (41, 56904), (51, 56946),

Gene: Mortcellus_68 Start: 58358, Stop: 58606, Start Num: 25

Candidate Starts for Mortcellus_68:

(2, 58097), (3, 58115), (4, 58127), (6, 58172), (13, 58307), (Start: 17 @58319 has 27 MA's), (20, 58337), (Start: 23 @58349 has 3 MA's), (Start: 25 @58358 has 13 MA's), (28, 58367), (55, 58511),

(61, 58568),

Gene: Morty_69 Start: 57318, Stop: 57590, Start Num: 15

Candidate Starts for Morty_69:

(Start: 15 @57318 has 135 MA's), (Start: 24 @57339 has 42 MA's), (Start: 27 @57348 has 25 MA's), (42, 57411), (50, 57438), (62, 57561),

Gene: Mosaic_65 Start: 56787, Stop: 57089, Start Num: 14

Candidate Starts for Mosaic_65:

(12, 56778), (Start: 14 @56787 has 74 MA's), (Start: 27 @56841 has 25 MA's), (41, 56910), (51, 56952),

Gene: MrPhizzler_71 Start: 57258, Stop: 57530, Start Num: 15

Candidate Starts for MrPhizzler_71:

(Start: 15 @57258 has 135 MA's), (Start: 24 @57279 has 42 MA's), (Start: 27 @57288 has 25 MA's), (42, 57351), (50, 57378), (62, 57501),

Gene: Mulan_67 Start: 57021, Stop: 57323, Start Num: 14

Candidate Starts for Mulan_67:

(Start: 14 @57021 has 74 MA's), (Start: 27 @57075 has 25 MA's), (41, 57144), (51, 57186),

Gene: Mulaychimus_69 Start: 57704, Stop: 57961, Start Num: 23

Candidate Starts for Mulaychimus_69:

(2, 57452), (3, 57470), (4, 57482), (6, 57527), (13, 57662), (Start: 17 @57674 has 27 MA's), (20, 57692), (Start: 23 @57704 has 3 MA's), (Start: 25 @57713 has 13 MA's), (28, 57722), (55, 57866), (61, 57923),

Gene: Murdoc_65 Start: 57070, Stop: 57372, Start Num: 14

Candidate Starts for Murdoc_65:

(Start: 14 @57070 has 74 MA's), (Start: 27 @57124 has 25 MA's), (41, 57193), (51, 57235),

Gene: Mutante_68 Start: 56801, Stop: 57073, Start Num: 15

Candidate Starts for Mutante_68:

(Start: 15 @56801 has 135 MA's), (Start: 24 @56822 has 42 MA's), (Start: 27 @56831 has 25 MA's), (42, 56894), (50, 56921), (62, 57044),

Gene: Nacho_0071 Start: 57839, Stop: 58111, Start Num: 15

Candidate Starts for Nacho_0071:

(Start: 15 @57839 has 135 MA's), (Start: 24 @57860 has 42 MA's), (Start: 27 @57869 has 25 MA's), (42, 57932), (50, 57959), (62, 58082),

Gene: Neos5_68 Start: 57688, Stop: 57903, Start Num: 35

Candidate Starts for Neos5_68:

(8, 57544), (30, 57670), (33, 57679), (Start: 35 @57688 has 6 MA's), (47, 57739), (61, 57865),

Gene: Newman_66 Start: 57116, Stop: 57388, Start Num: 15

Candidate Starts for Newman_66:

(Start: 15 @57116 has 135 MA's), (Start: 24 @57137 has 42 MA's), (Start: 27 @57146 has 25 MA's), (42, 57209), (50, 57236), (62, 57359),

Gene: Nicole21_69 Start: 57080, Stop: 57352, Start Num: 15

Candidate Starts for Nicole21_69:

(Start: 15 @57080 has 135 MA's), (Start: 24 @57101 has 42 MA's), (Start: 27 @57110 has 25 MA's), (42, 57173), (50, 57200), (62, 57323),

Gene: Nozo_68 Start: 58013, Stop: 58300, Start Num: 17

Candidate Starts for Nozo_68:

(2, 57791), (3, 57809), (4, 57821), (6, 57866), (13, 58001), (Start: 17 @58013 has 27 MA's), (20, 58031), (Start: 23 @58043 has 3 MA's), (Start: 25 @58052 has 13 MA's), (28, 58061), (55, 58205), (61, 58262),

Gene: Numberten_67 Start: 57024, Stop: 57296, Start Num: 15

Candidate Starts for Numberten_67:

(Start: 15 @57024 has 135 MA's), (Start: 24 @57045 has 42 MA's), (Start: 27 @57054 has 25 MA's), (42, 57117), (50, 57144), (62, 57267),

Gene: Nyala_67 Start: 56799, Stop: 57071, Start Num: 15

Candidate Starts for Nyala_67:

(Start: 15 @56799 has 135 MA's), (Start: 24 @56820 has 42 MA's), (Start: 27 @56829 has 25 MA's), (42, 56892), (50, 56919), (62, 57042),

Gene: OSmaximus_68 Start: 57554, Stop: 57850, Start Num: 14

Candidate Starts for OSmaximus_68:

(11, 57536), (Start: 14 @57554 has 74 MA's), (Start: 24 @57599 has 42 MA's), (Start: 27 @57608 has 25 MA's), (44, 57674), (62, 57821),

Gene: Obutu_70 Start: 57908, Stop: 58123, Start Num: 35

Candidate Starts for Obutu_70:

(8, 57764), (30, 57890), (33, 57899), (Start: 35 @57908 has 6 MA's), (47, 57959), (61, 58085),

Gene: Olak_67 Start: 56805, Stop: 57077, Start Num: 15

Candidate Starts for Olak_67:

(Start: 15 @56805 has 135 MA's), (Start: 24 @56826 has 42 MA's), (Start: 27 @56835 has 25 MA's), (42, 56898), (50, 56925), (62, 57048),

Gene: Oline_67 Start: 56953, Stop: 57255, Start Num: 14

Candidate Starts for Oline_67:

(Start: 14 @56953 has 74 MA's), (Start: 27 @57007 has 25 MA's), (41, 57076), (51, 57118),

Gene: OliverWalter_67 Start: 57124, Stop: 57396, Start Num: 15

Candidate Starts for OliverWalter_67:

(Start: 15 @57124 has 135 MA's), (Start: 24 @57145 has 42 MA's), (Start: 27 @57154 has 25 MA's), (42, 57217), (50, 57244), (62, 57367),

Gene: Olivio_68 Start: 57508, Stop: 57756, Start Num: 25

Candidate Starts for Olivio_68:

(2, 57247), (3, 57265), (4, 57277), (6, 57322), (13, 57457), (Start: 17 @57469 has 27 MA's), (20, 57487), (Start: 23 @57499 has 3 MA's), (Start: 25 @57508 has 13 MA's), (28, 57517), (55, 57661), (61, 57718),

Gene: Omniscient_69 Start: 57662, Stop: 57934, Start Num: 15

Candidate Starts for Omniscient_69:

(Start: 15 @57662 has 135 MA's), (Start: 24 @57683 has 42 MA's), (Start: 27 @57692 has 25 MA's), (42, 57755), (50, 57782), (62, 57905),

Gene: OneBrain_71 Start: 57068, Stop: 57340, Start Num: 15

Candidate Starts for OneBrain_71:

(Start: 15 @57068 has 135 MA's), (Start: 24 @57089 has 42 MA's), (Start: 27 @57098 has 25 MA's), (42, 57161), (50, 57188), (62, 57311),

Gene: Oosterbaan_67 Start: 57081, Stop: 57353, Start Num: 15

Candidate Starts for Oosterbaan_67:

(Start: 15 @57081 has 135 MA's), (Start: 24 @57102 has 42 MA's), (Start: 27 @57111 has 25 MA's), (42, 57174), (50, 57201), (62, 57324),

Gene: Opia_65 Start: 55480, Stop: 55740, Start Num: 24

Candidate Starts for Opia_65:

(Start: 24 @55480 has 42 MA's), (Start: 27 @55489 has 25 MA's), (37, 55534), (44, 55561), (50, 55588), (53, 55615), (58, 55657), (59, 55690), (61, 55699), (62, 55711),

Gene: OrangeOswald_68 Start: 57254, Stop: 57541, Start Num: 17

Candidate Starts for OrangeOswald_68:

(2, 57032), (3, 57050), (4, 57062), (6, 57107), (13, 57242), (Start: 17 @57254 has 27 MA's), (20, 57272), (Start: 23 @57284 has 3 MA's), (Start: 25 @57293 has 13 MA's), (28, 57302), (55, 57446), (61, 57503),

Gene: Orfeu_67 Start: 57338, Stop: 57610, Start Num: 15

Candidate Starts for Orfeu_67:

(Start: 15 @57338 has 135 MA's), (Start: 24 @57359 has 42 MA's), (Start: 27 @57368 has 25 MA's), (42, 57431), (50, 57458), (62, 57581),

Gene: Orwigg_67 Start: 56723, Stop: 56995, Start Num: 15

Candidate Starts for Orwigg_67:

(Start: 15 @56723 has 135 MA's), (Start: 24 @56744 has 42 MA's), (Start: 27 @56753 has 25 MA's), (42, 56816), (50, 56843), (62, 56966),

Gene: PG1_67 Start: 57314, Stop: 57586, Start Num: 15

Candidate Starts for PG1_67:

(Start: 15 @57314 has 135 MA's), (Start: 24 @57335 has 42 MA's), (Start: 27 @57344 has 25 MA's), (42, 57407), (50, 57434), (62, 57557),

Gene: Pacifista_67 Start: 56800, Stop: 57072, Start Num: 15

Candidate Starts for Pacifista_67:

(Start: 15 @56800 has 135 MA's), (Start: 24 @56821 has 42 MA's), (Start: 27 @56830 has 25 MA's), (42, 56893), (50, 56920), (62, 57043),

Gene: PallasAthena_69 Start: 56807, Stop: 57079, Start Num: 15

Candidate Starts for PallasAthena_69:

(Start: 15 @56807 has 135 MA's), (Start: 24 @56828 has 42 MA's), (Start: 27 @56837 has 25 MA's), (42, 56900), (50, 56927), (62, 57050),

Gene: Phaedrus_63 Start: 56718, Stop: 56966, Start Num: 25

Candidate Starts for Phaedrus_63:

(2, 56457), (3, 56475), (4, 56487), (6, 56532), (13, 56667), (Start: 17 @56679 has 27 MA's), (20, 56697), (Start: 23 @56709 has 3 MA's), (Start: 25 @56718 has 13 MA's), (28, 56727), (55, 56871), (61, 56928),

Gene: Phamished_69 Start: 57004, Stop: 57306, Start Num: 14

Candidate Starts for Phamished_69:

(Start: 14 @57004 has 74 MA's), (Start: 27 @57058 has 25 MA's), (41, 57127), (51, 57169),

Gene: PhatCats2014_68 Start: 57319, Stop: 57591, Start Num: 15

Candidate Starts for PhatCats2014_68:

(Start: 15 @57319 has 135 MA's), (Start: 24 @57340 has 42 MA's), (Start: 27 @57349 has 25 MA's), (42, 57412), (50, 57439), (62, 57562),

Gene: PhatLouie_70 Start: 57338, Stop: 57610, Start Num: 15

Candidate Starts for PhatLouie_70:

(Start: 15 @57338 has 135 MA's), (Start: 24 @57359 has 42 MA's), (Start: 27 @57368 has 25 MA's), (42, 57431), (50, 57458), (62, 57581),

Gene: Phayeta_71 Start: 57812, Stop: 58027, Start Num: 35

Candidate Starts for Phayeta_71:

(8, 57668), (30, 57794), (33, 57803), (Start: 35 @57812 has 6 MA's), (47, 57863), (61, 57989),

Gene: Phelemich_64 Start: 58168, Stop: 58425, Start Num: 21

Candidate Starts for Phelemich_64:

(Start: 16 @58141 has 5 MA's), (Start: 21 @58168 has 2 MA's), (Start: 24 @58177 has 42 MA's), (39, 58237), (44, 58243), (51, 58279), (55, 58321), (60, 58375),

Gene: PhenghisKhan_68 Start: 56960, Stop: 57262, Start Num: 14

Candidate Starts for PhenghisKhan_68:

(Start: 14 @56960 has 74 MA's), (Start: 27 @57014 has 25 MA's), (41, 57083), (51, 57125),

Gene: Pherdinand_68 Start: 57073, Stop: 57375, Start Num: 14

Candidate Starts for Pherdinand_68:

(Start: 14 @57073 has 74 MA's), (Start: 27 @57127 has 25 MA's), (41, 57196), (51, 57238),

Gene: Phergie_68 Start: 56952, Stop: 57254, Start Num: 14

Candidate Starts for Phergie_68:

(Start: 14 @56952 has 74 MA's), (Start: 27 @57006 has 25 MA's), (41, 57075), (51, 57117),

Gene: Philly_67 Start: 57066, Stop: 57353, Start Num: 17

Candidate Starts for Philly_67:

(2, 56844), (3, 56862), (4, 56874), (6, 56919), (13, 57054), (Start: 17 @57066 has 27 MA's), (20, 57084), (Start: 23 @57096 has 3 MA's), (Start: 25 @57105 has 13 MA's), (28, 57114), (55, 57258), (61, 57315),

Gene: Phipps_67 Start: 56871, Stop: 57173, Start Num: 14

Candidate Starts for Phipps_67:

(Start: 14 @56871 has 74 MA's), (Start: 27 @56925 has 25 MA's), (41, 56994), (51, 57036),

Gene: Phleuron_66 Start: 56758, Stop: 57060, Start Num: 14

Candidate Starts for Phleuron_66:

(Start: 14 @56758 has 74 MA's), (Start: 27 @56812 has 25 MA's), (41, 56881), (51, 56923),

Gene: Phlyer_68 Start: 57962, Stop: 58249, Start Num: 17

Candidate Starts for Phlyer_68:

(2, 57740), (3, 57758), (4, 57770), (6, 57815), (13, 57950), (Start: 17 @57962 has 27 MA's), (20, 57980), (Start: 23 @57992 has 3 MA's), (Start: 25 @58001 has 13 MA's), (28, 58010), (55, 58154), (61, 58211),

Gene: PhrankReynolds_67 Start: 56957, Stop: 57259, Start Num: 14

Candidate Starts for PhrankReynolds_67:

(Start: 14 @56957 has 74 MA's), (Start: 27 @57011 has 25 MA's), (41, 57080), (51, 57122),

Gene: PhrodoBaggins_69 Start: 57177, Stop: 57479, Start Num: 14

Candidate Starts for PhrodoBaggins_69:

(Start: 14 @57177 has 74 MA's), (Start: 27 @57231 has 25 MA's), (41, 57300), (51, 57342),

Gene: Phunky_66 Start: 56822, Stop: 57094, Start Num: 15

Candidate Starts for Phunky_66:

(Start: 15 @56822 has 135 MA's), (Start: 24 @56843 has 42 MA's), (Start: 27 @56852 has 25 MA's), (42, 56915), (50, 56942), (62, 57065),

Gene: Piglet_0068 Start: 57291, Stop: 57563, Start Num: 15

Candidate Starts for Piglet_0068:

(Start: 15 @57291 has 135 MA's), (Start: 24 @57312 has 42 MA's), (Start: 27 @57321 has 25 MA's), (42, 57384), (50, 57411), (62, 57534),

Gene: PinheadLarry_67 Start: 57119, Stop: 57421, Start Num: 14

Candidate Starts for PinheadLarry_67:

(Start: 14 @57119 has 74 MA's), (Start: 27 @57173 has 25 MA's), (41, 57242), (51, 57284),

Gene: Pinkman_67 Start: 56895, Stop: 57197, Start Num: 14

Candidate Starts for Pinkman_67:

(Start: 14 @56895 has 74 MA's), (Start: 27 @56949 has 25 MA's), (41, 57018), (51, 57060),

Gene: Pipsqueak_65 Start: 56798, Stop: 57100, Start Num: 14

Candidate Starts for Pipsqueak_65:

(Start: 14 @56798 has 74 MA's), (Start: 27 @56852 has 25 MA's), (41, 56921), (51, 56963),

Gene: Placalicious_68 Start: 57839, Stop: 58141, Start Num: 14

Candidate Starts for Placalicious_68:

(Start: 14 @57839 has 74 MA's), (Start: 27 @57893 has 25 MA's), (41, 57962), (51, 58004),

Gene: Plmatters_66 Start: 56864, Stop: 57112, Start Num: 27

Candidate Starts for Plmatters_66:

(Start: 14 @56810 has 74 MA's), (Start: 27 @56864 has 25 MA's), (41, 56933), (51, 56975),

Gene: Podrick_67 Start: 56879, Stop: 57181, Start Num: 14

Candidate Starts for Podrick_67:

(Start: 14 @56879 has 74 MA's), (Start: 27 @56933 has 25 MA's), (41, 57002), (51, 57044),

Gene: Pops_66 Start: 56842, Stop: 57093, Start Num: 24

Candidate Starts for Pops_66:

(Start: 24 @56842 has 42 MA's), (Start: 27 @56851 has 25 MA's), (42, 56914), (50, 56941), (62, 57064),

Gene: Prickles_69 Start: 57305, Stop: 57607, Start Num: 14

Candidate Starts for Prickles_69:

(Start: 14 @57305 has 74 MA's), (Start: 27 @57359 has 25 MA's), (41, 57428), (51, 57470),

Gene: PrinceCharming_65 Start: 55515, Stop: 55775, Start Num: 24

Candidate Starts for PrinceCharming_65:

(Start: 24 @55515 has 42 MA's), (Start: 27 @55524 has 25 MA's), (37, 55569), (44, 55596), (50, 55623), (53, 55650), (58, 55692), (59, 55725), (61, 55734), (62, 55746),

Gene: ProfessorX_66 Start: 56815, Stop: 57087, Start Num: 15

Candidate Starts for ProfessorX_66:

(Start: 15 @56815 has 135 MA's), (Start: 24 @56836 has 42 MA's), (Start: 27 @56845 has 25 MA's), (42, 56908), (50, 56935), (62, 57058),

Gene: Puhltonio_66 Start: 57079, Stop: 57381, Start Num: 14

Candidate Starts for Puhltonio_66:

(Start: 14 @57079 has 74 MA's), (Start: 27 @57133 has 25 MA's), (41, 57202), (51, 57244),

Gene: QueenBeane_68 Start: 57139, Stop: 57390, Start Num: 24

Candidate Starts for QueenBeane_68:

(Start: 15 @57118 has 135 MA's), (Start: 24 @57139 has 42 MA's), (Start: 27 @57148 has 25 MA's), (42, 57211), (50, 57238), (62, 57361),

Gene: Quisquiliae_69 Start: 57079, Stop: 57351, Start Num: 15

Candidate Starts for Quisquiliae_69:

(Start: 15 @57079 has 135 MA's), (Start: 24 @57100 has 42 MA's), (Start: 27 @57109 has 25 MA's), (42, 57172), (50, 57199), (62, 57322),

Gene: Qyrzula_58 Start: 55591, Stop: 55851, Start Num: 24

Candidate Starts for Qyrzula_58:

(Start: 24 @55591 has 42 MA's), (Start: 27 @55600 has 25 MA's), (37, 55645), (44, 55672), (50, 55699), (53, 55726), (58, 55768), (59, 55801), (61, 55810), (62, 55822),

Gene: RagingRooster_67 Start: 56894, Stop: 57181, Start Num: 17

Candidate Starts for RagingRooster_67:

(2, 56672), (3, 56690), (4, 56702), (6, 56747), (13, 56882), (Start: 17 @56894 has 27 MA's), (20, 56912), (Start: 23 @56924 has 3 MA's), (Start: 25 @56933 has 13 MA's), (28, 56942), (55, 57086), (61, 57143),

Gene: Reccee_67 Start: 58386, Stop: 58670, Start Num: 16

Candidate Starts for Reccee_67:

(Start: 16 @58386 has 5 MA's), (Start: 21 @58413 has 2 MA's), (Start: 24 @58422 has 42 MA's), (44, 58488), (55, 58566), (57, 58578), (60, 58620), (63, 58656),

Gene: Reprobate_65 Start: 58173, Stop: 58430, Start Num: 21

Candidate Starts for Reprobate_65:

(Start: 16 @58146 has 5 MA's), (Start: 21 @58173 has 2 MA's), (Start: 24 @58182 has 42 MA's), (39, 58242), (44, 58248), (51, 58284), (55, 58326), (60, 58380),

Gene: Rhinoforte_64 Start: 55513, Stop: 55773, Start Num: 24

Candidate Starts for Rhinoforte_64:

(Start: 24 @55513 has 42 MA's), (Start: 27 @55522 has 25 MA's), (37, 55567), (44, 55594), (50, 55621), (53, 55648), (58, 55690), (59, 55723), (61, 55732), (62, 55744),

Gene: Rich_66 Start: 59397, Stop: 59645, Start Num: 24

Candidate Starts for Rich_66:

(Start: 16 @59361 has 5 MA's), (Start: 21 @59388 has 2 MA's), (Start: 24 @59397 has 42 MA's), (44, 59463), (54, 59526), (55, 59541), (60, 59595), (63, 59631), (65, 59640),

Gene: Ricotta_68 Start: 56812, Stop: 57084, Start Num: 15

Candidate Starts for Ricotta_68:

(Start: 15 @56812 has 135 MA's), (Start: 24 @56833 has 42 MA's), (Start: 27 @56842 has 25 MA's), (50, 56932), (62, 57055),

Gene: Riggan_69 Start: 57111, Stop: 57383, Start Num: 15

Candidate Starts for Riggan_69:

(Start: 15 @57111 has 135 MA's), (Start: 24 @57132 has 42 MA's), (Start: 27 @57141 has 25 MA's), (42, 57204), (50, 57231), (62, 57354),

Gene: Rimu_68 Start: 57279, Stop: 57551, Start Num: 15

Candidate Starts for Rimu_68:

(Start: 15 @57279 has 135 MA's), (Start: 24 @57300 has 42 MA's), (Start: 27 @57309 has 25 MA's), (50, 57399), (62, 57522),

Gene: Rita130_66 Start: 58235, Stop: 58483, Start Num: 24

Candidate Starts for Rita130_66:

(Start: 16 @58199 has 5 MA's), (Start: 21 @58226 has 2 MA's), (Start: 24 @58235 has 42 MA's), (44, 58301), (55, 58379), (57, 58391), (60, 58433), (63, 58469),

Gene: Rita1961_69 Start: 57612, Stop: 57899, Start Num: 17

Candidate Starts for Rita1961_69:

(2, 57390), (3, 57408), (4, 57420), (6, 57465), (13, 57600), (Start: 17 @57612 has 27 MA's), (20, 57630), (Start: 23 @57642 has 3 MA's), (Start: 25 @57651 has 13 MA's), (28, 57660), (55, 57804), (61, 57861),

Gene: Riverton_67 Start: 57041, Stop: 57313, Start Num: 15

Candidate Starts for Riverton_67:

(Start: 15 @57041 has 135 MA's), (Start: 24 @57062 has 42 MA's), (Start: 27 @57071 has 25 MA's), (42, 57134), (50, 57161), (62, 57284),

Gene: Robyn_68 Start: 57384, Stop: 57656, Start Num: 15

Candidate Starts for Robyn_68:

(Start: 15 @57384 has 135 MA's), (Start: 24 @57405 has 42 MA's), (Start: 27 @57414 has 25 MA's), (42, 57477), (50, 57504), (62, 57627),

Gene: Roliet_65 Start: 56199, Stop: 56447, Start Num: 27

Candidate Starts for Roliet_65:

(Start: 14 @56145 has 74 MA's), (Start: 27 @56199 has 25 MA's), (41, 56268), (51, 56310),

Gene: RomaT_68 Start: 57813, Stop: 58100, Start Num: 17

Candidate Starts for RomaT_68:

(2, 57591), (3, 57609), (4, 57621), (6, 57666), (13, 57801), (Start: 17 @57813 has 27 MA's), (20, 57831), (Start: 23 @57843 has 3 MA's), (Start: 25 @57852 has 13 MA's), (28, 57861), (55, 58005), (61, 58062),

Gene: Roscoe_68 Start: 57258, Stop: 57530, Start Num: 15

Candidate Starts for Roscoe_68:

(Start: 15 @57258 has 135 MA's), (Start: 24 @57279 has 42 MA's), (Start: 27 @57288 has 25 MA's), (50, 57378), (62, 57501),

Gene: Rosebush_63 Start: 55576, Stop: 55836, Start Num: 24

Candidate Starts for Rosebush_63:

(Start: 24 @55576 has 42 MA's), (Start: 27 @55585 has 25 MA's), (37, 55630), (44, 55657), (50, 55684), (53, 55711), (58, 55753), (59, 55786), (61, 55795), (62, 55807),

Gene: Roy17_66 Start: 56511, Stop: 56783, Start Num: 15

Candidate Starts for Roy17_66:

(Start: 15 @56511 has 135 MA's), (Start: 24 @56532 has 42 MA's), (Start: 27 @56541 has 25 MA's), (42, 56604), (50, 56631), (62, 56754),

Gene: SDcharge11_67 Start: 56317, Stop: 56619, Start Num: 14

Candidate Starts for SDcharge11_67:

(Start: 14 @56317 has 74 MA's), (Start: 27 @56371 has 25 MA's), (41, 56440), (51, 56482),

Gene: Sabella_64 Start: 55412, Stop: 55672, Start Num: 24

Candidate Starts for Sabella_64:

(Start: 24 @55412 has 42 MA's), (Start: 27 @55421 has 25 MA's), (37, 55466), (44, 55493), (50, 55520), (53, 55547), (58, 55589), (59, 55622), (61, 55631), (62, 55643),

Gene: Saguaro_64 Start: 57561, Stop: 57827, Start Num: 24

Candidate Starts for Saguaro_64:

(Start: 22 @57552 has 1 MA's), (Start: 24 @57561 has 42 MA's), (43, 57630), (45, 57633), (46, 57639), (48, 57645), (56, 57720),

Gene: SallyH_70 Start: 57110, Stop: 57358, Start Num: 27

Candidate Starts for SallyH_70:

(Start: 14 @57056 has 74 MA's), (Start: 27 @57110 has 25 MA's), (41, 57179), (51, 57221),

Gene: Samaymay_68 Start: 57118, Stop: 57390, Start Num: 15

Candidate Starts for Samaymay_68:

(Start: 15 @57118 has 135 MA's), (Start: 24 @57139 has 42 MA's), (Start: 27 @57148 has 25 MA's), (42, 57211), (50, 57238), (62, 57361),

Gene: SassyCat97_66 Start: 56794, Stop: 57096, Start Num: 14

Candidate Starts for SassyCat97_66:

(Start: 14 @56794 has 74 MA's), (Start: 27 @56848 has 25 MA's), (41, 56917), (51, 56959),

Gene: Schadenfreude_68 Start: 56686, Stop: 56958, Start Num: 15

Candidate Starts for Schadenfreude_68:

(Start: 15 @56686 has 135 MA's), (Start: 24 @56707 has 42 MA's), (Start: 27 @56716 has 25 MA's), (42, 56779), (50, 56806), (62, 56929),

Gene: Scoot17C_68 Start: 56745, Stop: 57017, Start Num: 15

Candidate Starts for Scoot17C_68:

(Start: 15 @56745 has 135 MA's), (Start: 24 @56766 has 42 MA's), (Start: 27 @56775 has 25 MA's), (42, 56838), (50, 56865), (62, 56988),

Gene: Selr12_69 Start: 56827, Stop: 57099, Start Num: 15

Candidate Starts for Selr12_69:

(Start: 15 @56827 has 135 MA's), (Start: 24 @56848 has 42 MA's), (Start: 27 @56857 has 25 MA's), (42, 56920), (50, 56947), (62, 57070),

Gene: Serendipitous_65 Start: 57769, Stop: 58026, Start Num: 24

Candidate Starts for Serendipitous_65:

(10, 57688), (Start: 23 @57763 has 3 MA's), (Start: 24 @57769 has 42 MA's), (53, 57895), (55, 57922), (60, 57976),

Gene: Serendipity_67 Start: 57100, Stop: 57372, Start Num: 15

Candidate Starts for Serendipity_67:

(Start: 15 @57100 has 135 MA's), (Start: 24 @57121 has 42 MA's), (Start: 27 @57130 has 25 MA's), (42, 57193), (50, 57220), (62, 57343),

Gene: Serpentine_0068 Start: 57183, Stop: 57455, Start Num: 15

Candidate Starts for Serpentine_0068:

(Start: 15 @57183 has 135 MA's), (Start: 24 @57204 has 42 MA's), (Start: 27 @57213 has 25 MA's), (42, 57276), (50, 57303), (62, 57426),

Gene: ShadowBud_68 Start: 57076, Stop: 57348, Start Num: 15

Candidate Starts for ShadowBud_68:

(Start: 15 @57076 has 135 MA's), (Start: 24 @57097 has 42 MA's), (Start: 27 @57106 has 25 MA's), (42, 57169), (50, 57196), (62, 57319),

Gene: Shenandoah_67 Start: 56871, Stop: 57158, Start Num: 17

Candidate Starts for Shenandoah_67:

(2, 56649), (3, 56667), (4, 56679), (6, 56724), (13, 56859), (Start: 17 @56871 has 27 MA's), (20, 56889), (Start: 23 @56901 has 3 MA's), (Start: 25 @56910 has 13 MA's), (28, 56919), (55, 57063), (61, 57120),

Gene: ShiVal_66 Start: 56826, Stop: 57098, Start Num: 15

Candidate Starts for ShiVal_66:

(Start: 15 @56826 has 135 MA's), (Start: 24 @56847 has 42 MA's), (Start: 27 @56856 has 25 MA's), (42, 56919), (50, 56946), (62, 57069),

Gene: Sigman_68 Start: 56782, Stop: 57054, Start Num: 15

Candidate Starts for Sigman_68:

(Start: 15 @56782 has 135 MA's), (Start: 24 @56803 has 42 MA's), (Start: 27 @56812 has 25 MA's), (42, 56875), (50, 56902), (62, 57025),

Gene: Simielle_68 Start: 56783, Stop: 57055, Start Num: 15

Candidate Starts for Simielle_68:

(Start: 15 @56783 has 135 MA's), (Start: 24 @56804 has 42 MA's), (Start: 27 @56813 has 25 MA's), (42, 56876), (50, 56903), (62, 57026),

Gene: SirBeauregard_69 Start: 57349, Stop: 57621, Start Num: 15

Candidate Starts for SirBeauregard_69:

(Start: 15 @57349 has 135 MA's), (Start: 24 @57370 has 42 MA's), (Start: 27 @57379 has 25 MA's), (42, 57442), (50, 57469), (62, 57592),

Gene: SirJeffery_66 Start: 58371, Stop: 58619, Start Num: 24

Candidate Starts for SirJeffery_66:

(Start: 16 @58335 has 5 MA's), (Start: 21 @58362 has 2 MA's), (Start: 24 @58371 has 42 MA's), (44, 58437), (55, 58515), (60, 58569), (62, 58584), (63, 58605),

Gene: Skippy_69 Start: 57036, Stop: 57308, Start Num: 15

Candidate Starts for Skippy_69:

(Start: 15 @57036 has 135 MA's), (Start: 24 @57057 has 42 MA's), (Start: 27 @57066 has 25 MA's), (42, 57129), (50, 57156), (62, 57279),

Gene: Slatt_68 Start: 57090, Stop: 57392, Start Num: 14

Candidate Starts for Slatt_68:

(Start: 14 @57090 has 74 MA's), (Start: 27 @57144 has 25 MA's), (41, 57213), (51, 57255),

Gene: SlippinJimmy_71 Start: 58709, Stop: 58924, Start Num: 35

Candidate Starts for SlippinJimmy_71:

(8, 58565), (30, 58691), (33, 58700), (Start: 35 @58709 has 6 MA's), (47, 58760), (61, 58886),

Gene: Soile_69 Start: 57332, Stop: 57604, Start Num: 15

Candidate Starts for Soile_69:

(Start: 15 @57332 has 135 MA's), (Start: 24 @57353 has 42 MA's), (Start: 27 @57362 has 25 MA's), (50, 57452), (62, 57575),

Gene: Solosis_66 Start: 56843, Stop: 57091, Start Num: 27

Candidate Starts for Solosis_66:

(Start: 14 @56789 has 74 MA's), (Start: 27 @56843 has 25 MA's), (41, 56912), (51, 56954),

Gene: Sophia_66 Start: 56836, Stop: 57084, Start Num: 27

Candidate Starts for Sophia_66:

(Start: 14 @56782 has 74 MA's), (Start: 27 @56836 has 25 MA's), (41, 56905), (51, 56947),

Gene: Soto_65 Start: 56349, Stop: 56651, Start Num: 14

Candidate Starts for Soto_65:

(Start: 14 @56349 has 74 MA's), (Start: 27 @56403 has 25 MA's), (41, 56472), (51, 56514),

Gene: Spartan300_67 Start: 57023, Stop: 57295, Start Num: 15

Candidate Starts for Spartan300_67:

(Start: 15 @57023 has 135 MA's), (Start: 24 @57044 has 42 MA's), (Start: 27 @57053 has 25 MA's), (42, 57116), (50, 57143), (62, 57266),

Gene: Squid_67 Start: 57082, Stop: 57384, Start Num: 14

Candidate Starts for Squid_67:

(Start: 14 @57082 has 74 MA's), (Start: 27 @57136 has 25 MA's), (41, 57205), (51, 57247),

Gene: Squiggle_67 Start: 56801, Stop: 57103, Start Num: 14

Candidate Starts for Squiggle_67:

(Start: 14 @56801 has 74 MA's), (Start: 27 @56855 has 25 MA's), (41, 56924), (51, 56966),

Gene: Struggle_68 Start: 56927, Stop: 57169, Start Num: 27

Candidate Starts for Struggle_68:

(Start: 24 @56918 has 42 MA's), (Start: 27 @56927 has 25 MA's), (42, 56990), (50, 57017), (62, 57140),

Gene: Suffolk_66 Start: 56596, Stop: 56868, Start Num: 15

Candidate Starts for Suffolk_66:

(Start: 15 @56596 has 135 MA's), (Start: 24 @56617 has 42 MA's), (Start: 27 @56626 has 25 MA's), (42, 56689), (50, 56716), (62, 56839),

Gene: Suigeneris_68 Start: 58477, Stop: 58761, Start Num: 16

Candidate Starts for Suigeneris_68:

(Start: 16 @58477 has 5 MA's), (Start: 21 @58504 has 2 MA's), (Start: 24 @58513 has 42 MA's), (44, 58579), (55, 58657), (60, 58711), (62, 58726), (63, 58747),

Gene: Surely_68 Start: 57426, Stop: 57674, Start Num: 27

Candidate Starts for Surely_68:

(Start: 14 @57372 has 74 MA's), (Start: 27 @57426 has 25 MA's), (41, 57495), (51, 57537),

Gene: SwainyDoc_69 Start: 57635, Stop: 57922, Start Num: 17

Candidate Starts for SwainyDoc_69:

(2, 57413), (3, 57431), (4, 57443), (6, 57488), (13, 57623), (Start: 17 @57635 has 27 MA's), (20, 57653), (Start: 23 @57665 has 3 MA's), (Start: 25 @57674 has 13 MA's), (28, 57683), (55, 57827), (61, 57884),

Gene: Swiphy_70 Start: 57338, Stop: 57610, Start Num: 15

Candidate Starts for Swiphy_70:

(Start: 15 @57338 has 135 MA's), (Start: 24 @57359 has 42 MA's), (Start: 27 @57368 has 25 MA's), (42, 57431), (50, 57458), (62, 57581),

Gene: Swish_68 Start: 57058, Stop: 57360, Start Num: 14

Candidate Starts for Swish_68:

(Start: 14 @57058 has 74 MA's), (Start: 27 @57112 has 25 MA's), (41, 57181), (51, 57223),

Gene: SynergyX_68 Start: 57251, Stop: 57538, Start Num: 17

Candidate Starts for SynergyX_68:

(2, 57029), (3, 57047), (4, 57059), (6, 57104), (13, 57239), (Start: 17 @57251 has 27 MA's), (20, 57269), (Start: 23 @57281 has 3 MA's), (Start: 25 @57290 has 13 MA's), (28, 57299), (55, 57443), (61, 57500),

Gene: TA17A_66 Start: 55418, Stop: 55678, Start Num: 24

Candidate Starts for TA17A_66:

(Start: 24 @55418 has 42 MA's), (Start: 27 @55427 has 25 MA's), (37, 55472), (44, 55499), (50, 55526), (53, 55553), (58, 55595), (59, 55628), (61, 55637), (62, 55649),

Gene: TallGrassMM_66 Start: 56698, Stop: 57000, Start Num: 14

Candidate Starts for TallGrassMM_66:

(Start: 14 @56698 has 74 MA's), (Start: 27 @56752 has 25 MA's), (41, 56821), (51, 56863),

Gene: Telesworld_66 Start: 56912, Stop: 57184, Start Num: 15

Candidate Starts for Telesworld_66:

(Start: 15 @56912 has 135 MA's), (Start: 24 @56933 has 42 MA's), (Start: 27 @56942 has 25 MA's), (42, 57005), (50, 57032), (62, 57155),

Gene: Thonko_67 Start: 56230, Stop: 56466, Start Num: 34

Candidate Starts for Thonko_67:

(1, 55804), (5, 55999), (7, 56032), (18, 56158), (Start: 23 @56191 has 3 MA's), (Start: 24 @56197 has 42 MA's), (Start: 34 @56230 has 1 MA's), (38, 56260), (52, 56326), (54, 56347), (55, 56362),

Gene: Thora_66 Start: 57138, Stop: 57440, Start Num: 14

Candidate Starts for Thora_66:

(Start: 14 @57138 has 74 MA's), (Start: 27 @57192 has 25 MA's), (41, 57261), (51, 57303),

Gene: ThreeOh3D2_69 Start: 57310, Stop: 57582, Start Num: 15

Candidate Starts for ThreeOh3D2_69:

(Start: 15 @57310 has 135 MA's), (Start: 24 @57331 has 42 MA's), (Start: 27 @57340 has 25 MA's), (42, 57403), (50, 57430), (62, 57553),

Gene: Thunderbird_68 Start: 57071, Stop: 57322, Start Num: 24

Candidate Starts for Thunderbird_68:

(Start: 24 @57071 has 42 MA's), (Start: 27 @57080 has 25 MA's), (42, 57143), (50, 57170), (62, 57293),

Gene: Timmi_67 Start: 56794, Stop: 57066, Start Num: 15

Candidate Starts for Timmi_67:

(Start: 15 @56794 has 135 MA's), (Start: 24 @56815 has 42 MA's), (Start: 27 @56824 has 25 MA's), (42, 56887), (50, 56914), (62, 57037),

Gene: Tinciduntolum_65 Start: 55579, Stop: 55839, Start Num: 24

Candidate Starts for Tinciduntolum_65:

(Start: 24 @55579 has 42 MA's), (Start: 27 @55588 has 25 MA's), (37, 55633), (50, 55687), (53, 55714), (58, 55756), (59, 55789), (61, 55798), (62, 55810),

Gene: TinyTerror_69 Start: 57673, Stop: 57960, Start Num: 17

Candidate Starts for TinyTerror_69:

(2, 57451), (3, 57469), (4, 57481), (6, 57526), (13, 57661), (Start: 17 @57673 has 27 MA's), (20, 57691), (Start: 23 @57703 has 3 MA's), (Start: 25 @57712 has 13 MA's), (28, 57721), (55, 57865), (61, 57922),

Gene: TomBombadil_68 Start: 57410, Stop: 57658, Start Num: 27

Candidate Starts for TomBombadil_68:

(Start: 14 @57356 has 74 MA's), (Start: 27 @57410 has 25 MA's), (41, 57479), (51, 57521),

Gene: Tomlarah_69 Start: 57647, Stop: 57919, Start Num: 15

Candidate Starts for Tomlarah_69:

(Start: 15 @57647 has 135 MA's), (Start: 24 @57668 has 42 MA's), (Start: 27 @57677 has 25 MA's), (42, 57740), (50, 57767), (62, 57890),

Gene: Toni_68 Start: 57239, Stop: 57511, Start Num: 15

Candidate Starts for Toni_68:

(Start: 15 @57239 has 135 MA's), (Start: 24 @57260 has 42 MA's), (Start: 27 @57269 has 25 MA's), (42, 57332), (50, 57359), (62, 57482),

Gene: Tooj_66 Start: 56464, Stop: 56736, Start Num: 15

Candidate Starts for Tooj_66:

(Start: 15 @56464 has 135 MA's), (Start: 24 @56485 has 42 MA's), (Start: 27 @56494 has 25 MA's), (42, 56557), (50, 56584), (62, 56707),

Gene: Tres_64 Start: 55433, Stop: 55693, Start Num: 24

Candidate Starts for Tres_64:

(Start: 24 @55433 has 42 MA's), (Start: 27 @55442 has 25 MA's), (37, 55487), (44, 55514), (50, 55541), (53, 55568), (58, 55610), (59, 55643), (61, 55652), (62, 55664),

Gene: True_66 Start: 56803, Stop: 57075, Start Num: 15

Candidate Starts for True_66:

(Start: 15 @56803 has 135 MA's), (Start: 24 @56824 has 42 MA's), (Start: 27 @56833 has 25 MA's), (42, 56896), (50, 56923), (62, 57046),

Gene: Trypo_69 Start: 57523, Stop: 57825, Start Num: 14

Candidate Starts for Trypo_69:

(Start: 14 @57523 has 74 MA's), (Start: 27 @57577 has 25 MA's), (41, 57646), (51, 57688),

Gene: Tydolla_65 Start: 57176, Stop: 57418, Start Num: 26

Candidate Starts for Tydolla_65:

(9, 57080), (Start: 17 @57134 has 27 MA's), (Start: 26 @57176 has 2 MA's), (31, 57188), (52, 57290), (55, 57326), (61, 57383),

Gene: TyrionL_68 Start: 56891, Stop: 57193, Start Num: 14

Candidate Starts for TyrionL_68:

(Start: 14 @56891 has 74 MA's), (Start: 27 @56945 has 25 MA's), (41, 57014), (51, 57056),

Gene: UncleHowie_65 Start: 56493, Stop: 56795, Start Num: 14

Candidate Starts for UncleHowie_65:

(Start: 14 @56493 has 74 MA's), (Start: 27 @56547 has 25 MA's), (41, 56616), (51, 56658),

Gene: Usavi_69 Start: 57492, Stop: 57734, Start Num: 27

Candidate Starts for Usavi_69:

(Start: 15 @57462 has 135 MA's), (Start: 24 @57483 has 42 MA's), (Start: 27 @57492 has 25 MA's), (42, 57555), (50, 57582), (62, 57705),

Gene: Vaishali24_68 Start: 57154, Stop: 57405, Start Num: 24

Candidate Starts for Vaishali24_68:

(Start: 15 @57133 has 135 MA's), (Start: 24 @57154 has 42 MA's), (Start: 27 @57163 has 25 MA's), (42, 57226), (50, 57253), (54, 57292), (62, 57376),

Gene: Valjean_67 Start: 57033, Stop: 57305, Start Num: 15

Candidate Starts for Valjean_67:

(Start: 15 @57033 has 135 MA's), (Start: 24 @57054 has 42 MA's), (Start: 27 @57063 has 25 MA's), (42, 57126), (50, 57153), (62, 57276),

Gene: Vaticameos_65 Start: 55337, Stop: 55609, Start Num: 15

Candidate Starts for Vaticameos_65:

(Start: 15 @55337 has 135 MA's), (Start: 24 @55358 has 42 MA's), (Start: 27 @55367 has 25 MA's), (42, 55430), (50, 55457), (62, 55580),

Gene: Veritas_67 Start: 57024, Stop: 57272, Start Num: 27

Candidate Starts for Veritas_67:

(Start: 14 @56970 has 74 MA's), (Start: 27 @57024 has 25 MA's), (41, 57093), (51, 57135),

Gene: Virapocalypse_69 Start: 57132, Stop: 57404, Start Num: 15

Candidate Starts for Virapocalypse_69:

(Start: 15 @57132 has 135 MA's), (Start: 24 @57153 has 42 MA's), (Start: 27 @57162 has 25 MA's), (42, 57225), (50, 57252), (62, 57375),

Gene: Vista_66 Start: 56794, Stop: 57096, Start Num: 14

Candidate Starts for Vista_66:

(Start: 14 @56794 has 74 MA's), (Start: 27 @56848 has 25 MA's), (41, 56917), (51, 56959),

Gene: Vivaldi_68 Start: 57255, Stop: 57557, Start Num: 14

Candidate Starts for Vivaldi_68:

(Start: 14 @57255 has 74 MA's), (Start: 27 @57309 has 25 MA's), (41, 57378), (51, 57420),

Gene: Vortex_67 Start: 57078, Stop: 57380, Start Num: 14

Candidate Starts for Vortex_67:

(Start: 14 @57078 has 74 MA's), (Start: 27 @57132 has 25 MA's), (41, 57201), (51, 57243),

Gene: Wallhey_68 Start: 56955, Stop: 57203, Start Num: 27

Candidate Starts for Wallhey_68:

(Start: 14 @56901 has 74 MA's), (Start: 27 @56955 has 25 MA's), (41, 57024), (51, 57066),

Gene: Waterdiva_68 Start: 57166, Stop: 57438, Start Num: 15

Candidate Starts for Waterdiva_68:

(Start: 15 @57166 has 135 MA's), (Start: 24 @57187 has 42 MA's), (Start: 27 @57196 has 25 MA's), (42, 57259), (50, 57286), (62, 57409),

Gene: Weher20_65 Start: 57467, Stop: 57715, Start Num: 27

Candidate Starts for Weher20_65:

(12, 57404), (Start: 27 @57467 has 25 MA's), (41, 57536), (51, 57578),

Gene: West99_64 Start: 55606, Stop: 55866, Start Num: 24

Candidate Starts for West99_64:

(Start: 24 @55606 has 42 MA's), (Start: 27 @55615 has 25 MA's), (37, 55660), (44, 55687), (50, 55714), (53, 55741), (58, 55783), (59, 55816), (61, 55825), (62, 55837),

Gene: Windsor_68 Start: 57353, Stop: 57625, Start Num: 15

Candidate Starts for Windsor_68:

(Start: 15 @57353 has 135 MA's), (Start: 24 @57374 has 42 MA's), (Start: 27 @57383 has 25 MA's), (42, 57446), (50, 57473), (62, 57596),

Gene: Xavier_67 Start: 56794, Stop: 57066, Start Num: 15

Candidate Starts for Xavier_67:

(Start: 15 @56794 has 135 MA's), (Start: 24 @56815 has 42 MA's), (Start: 27 @56824 has 25 MA's), (42, 56887), (50, 56914), (62, 57037),

Gene: Yahalom_66 Start: 57095, Stop: 57343, Start Num: 25

Candidate Starts for Yahalom_66:

(2, 56834), (3, 56852), (4, 56864), (6, 56909), (13, 57044), (Start: 17 @57056 has 27 MA's), (20, 57074), (Start: 23 @57086 has 3 MA's), (Start: 25 @57095 has 13 MA's), (28, 57104), (55, 57248), (61, 57305),

Gene: Yinz_68 Start: 57121, Stop: 57408, Start Num: 17

Candidate Starts for Yinz_68:

(2, 56899), (3, 56917), (4, 56929), (6, 56974), (13, 57109), (Start: 17 @57121 has 27 MA's), (20, 57139), (Start: 23 @57151 has 3 MA's), (Start: 25 @57160 has 13 MA's), (28, 57169), (55, 57313), (61, 57370),

Gene: Yoshand_68 Start: 57071, Stop: 57373, Start Num: 14

Candidate Starts for Yoshand_68:

(Start: 14 @57071 has 74 MA's), (Start: 27 @57125 has 25 MA's), (41, 57194), (51, 57236),

Gene: YouGoGlencoco_68 Start: 57137, Stop: 57385, Start Num: 27

Candidate Starts for YouGoGlencoco_68:

(Start: 14 @57083 has 74 MA's), (Start: 27 @57137 has 25 MA's), (41, 57206), (51, 57248),

Gene: Zaider_69 Start: 57303, Stop: 57545, Start Num: 27

Candidate Starts for Zaider_69:

(Start: 15 @57273 has 135 MA's), (Start: 24 @57294 has 42 MA's), (Start: 27 @57303 has 25 MA's),
(42, 57366), (50, 57393), (62, 57516),

Gene: Zelda_68 Start: 57477, Stop: 57725, Start Num: 27

Candidate Starts for Zelda_68:

(Start: 14 @57423 has 74 MA's), (Start: 27 @57477 has 25 MA's), (41, 57546), (51, 57588),

Gene: Zonia_68 Start: 57352, Stop: 57654, Start Num: 14

Candidate Starts for Zonia_68:

(Start: 14 @57352 has 74 MA's), (Start: 27 @57406 has 25 MA's), (41, 57475), (51, 57517),