Pham 345288


1: Leopard_100 + 1
2: Longacauda_92 + 308
3: Carthage_92 + 2
4: FleetyMac_90
5: Riverton_90
6: MrPhizzler_94 + 1
7: SallyH_94
8: Cosmolli16_93
9: Imvubu_86
10: LilMcDreamy_79
11: LittleMinkey_98
12: Zenteno07_95
13: Hashim76_92
14: BirdsNest_95
15: KayaCho_82
16: Knocker_82
17: Funsized_83
18: Rinkes_80

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 345288 Report

This analysis was run 11/14/26 on database version 672.

Pham number 345288 has 330 members, 27 are drafts.

Phages represented in each track:
• Track 1 : Leopard_100, Aikoy_102
• Track 2 : Longacauda_92, Virgeve_89, Simielle_90, GeneCoco_91, Mcshane_90, CampRoach_91, Craff_92, Aonishiki_91, Phipps_89, LeeLot_89, BatteryCK_89, Serendipity_90, Sigman_90, Chunky_90, Durga_93, Riggan_92, Struggle_91, Lulumae_86, BlackStallion_90, RedMaple_90, Piglet_0090, Thunderbird_91, Antonia_90, BlacksBerry_92, Labeouficaum_91, Vectra_90, Olak_90, Phergie_91, UAch1_92, Spartan300_90, Eugenia_93, CamL_91, Zaider_92, Olive_87, HogWash_91, Salazzle_89, Podrick_89, Oline_90, Harvey_88, Placalicious_89, Derpp_90, Wallhey_92, Hocus_89, JacAttac_91, Hartsy_89, Orfeu_90, Pinkman_90, Basato_90, Flake_90, Lumine_92, Held_89, Phunky_88, Quisquiliae_93, Jiraiya_92, Gwennie1_90, Buckeye_90, Pherdinand_92, Dingo_88, Etaye_90, TallGrassMM_90, HSavage_89, Doddsville_88, BoogieWoogie_92, Morty_91, Inchworm_92, Bishoperium_91, Boehler_89, FluffyNinja_92, Fang_92, Mag7_89, Numberten_90, PhrodoBaggins_93, Phleuron_88, Roliet_88, Banjo_87, Hekos_89, Kikipoo_93, Chah_93, Plata_90, Badfish_91, Chorkpop_92, Hetaeria_91, Inverness_89, Cannibal_91, Caspiboi_90, Azuria_91, Kwadwo_90, Slatt_91, Adriana_91, CharlieGBrown_89, Orwigg_90, Hertubise_90, Yoshand_92, FugateOSU_91, KlimbOn_90, TomBombadil_91, Fozzie_88, Selr12_92, Matalotodo_89, Manad_90, Fringe_95, Serpentine_0092, DirtJuice_90, CheetO_88, Soto_88, Surely_91, Nicole21_92, ShiVal_89, LeiMonet_94, Vista_90, Childish_91, Daffy_90, GreenChile_90, EmGer13_90, Altwerkus_88, Apizium_89, Roscoe_90, SDcharge11_90, FremontTroll_91, Burr_91, Kwksand96_92, Beaglebox_87, KLucky39_89, LuckyMarjie_88, Vivaldi_91, Plmatters_88, Chute_91, Bluephacebaby_90, Legolas_92, Cornbread_89, Frankicide_89, Dione_89, Colbert_89, OSmaximus_92, Larson_93, MitKao_91, EmpTee_90, LemonSlice_91, Haimas_88, Phareon_88, Horchata_86, Oosterbaan_91, Cobra_91, Jillium_92, Sheila_85, Mana_88, AltPhacts_88, Cher_91, Grand2040_89, Pipsqueak_88, Tooj_88, DonSanchon_86, Squid_90, Samaymay_91, Chuni_94, Kiwot_91, Gwilliam_91, Scoot17C_91, MiniBoss_87, Morgushi_88, MRabcd_91, ShadowBud_91, Nacho_0093, Haleema_90, Anderson_92, Scrick_90, ABU_89, Nehme_87, MelsMeow_90, Kloppinator_91, Jiminy_91, DaddyDaniels_94, Kimbrough_92, HighStump_92, OneBrain_93, Melc17_88, SirBeauregard_92, LostAndPhound_90, Virapocalypse_92, Ashraf_92, Sophia_89, Mulan_90, BlueHusk_92, Usavi_91, Coletti_94, Crownjwl_88, Magic8_90, Swiphy_93, PallasAthena_92, Eremos_89, Mikota_86, Chaelin_92, Daka_93, DoesntMatter_88, Vaticameos_88, QueenBeane_91, Zelda_91, Khan1_90, OliverWalter_90, True_89, Freya_87, Dice_90, UncleHowie_87, Chipette_91, Soile_92, TooFast2Furius_90,

Karn_91, DuchessDung_88, Mesh1_92, Lasso_90, PG1_89, Vortex_89, LasagnaCat_92, DelRivs_89, Kahve_91, Waterdiva_92, Duggie_91, Mecca_91, Prickles_92, Septica_92, SassyCat97_89, Mutante_92, PinheadLarry_90, Triad_91, Lego3393_89, KingTut_82, Nathan_91, Maru_91, Jbug01_89, Keitherie_94, Megamind20_91, Iridoclysis_90, Gyarad_0090, Megatron_92, Orion_89, Jesabah_93, Skippy_91, PhenghisKhan_91, Tomlarah_91, AbsoluteMadLad_89, Dati_88, PhatLouie_93, Potter_85, Xavier_90, ImtiyazSitla_92, Roy17_88, Solosis_89, ProfessorX_89, Emiris_93, Andre_93, Pacifista_90, Charles1_92, MichaelPhcott_89, Veritas_90, KingVeVeVe_89, Maskar_92, Iridessa_92, Trypo_91, Mesmerelda_90, Brilliant_94, Nyala_90, Valjean_89, PhatCats2014_90, Murdoc_87, Ricotta_91, Toni_90, Taraxa_91, Timmi_89, PhrankReynolds_89, Puhltonio_87, DolOn_95, Newman_87, ElvisPhasley_92, FriarPreacher_88, JDog_90, IsaacEli_93, Pops_88, Lehmann_92, Swish_92, TyrionL_91, Omniscient_92, Giraffe_91, Lulwa_88, HenryJackson_91, Zonia_91, Aleia_90, SilverBell_92, Squiggle_90, Kailash_89, JakeO_92, Weher20_88, Happabalu_89, Nova1_90, Gareth_91, Thora_89, RedRaider89_90, ThreeOh3D2_92, Mosaic_88, AngelCake_90, Windsor_91, YouGoGlencoco_91, Gophee_90, Katniss_93, Hamish_88, Phamished_90, Schueller_89, NiaNia_92, JangoPhett_89, Telesworld_89
• Track 3 : Carthage_92, Robyn_93, Vaishali24_92
• Track 4 : FleetyMac_90
• Track 5 : Riverton_90
• Track 6 : MrPhizzler_94, Rimu_89
• Track 7 : SallyH_94
• Track 8 : Cosmolli16_93
• Track 9 : Imvubu_86
• Track 10 : LilMcDreamy_79
• Track 11 : LittleMinkey_98
• Track 12 : Zenteno07_95
• Track 13 : Hashim76_92
• Track 14 : BirdsNest_95
• Track 15 : KayaCho_82
• Track 16 : Knocker_82
• Track 17 : Funsized_83
• Track 18 : Rinkes_80

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

The start number called the most often in the published annotations is 6, it was called in 301 of the 303 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ABU_89, AbsoluteMadLad_89, Adriana_91, Aikoy_102, Aleia_90, AltPhacts_88, Altwerkus_88, Anderson_92, Andre_93, AngelCake_90, Antonia_90, Aonishiki_91, Apizium_89, Ashraf_92, Azuria_91, Badfish_91, Banjo_87, Basato_90, BatteryCK_89, Beaglebox_87, BirdsNest_95, Bishoperium_91, BlackStallion_90, BlacksBerry_92, BlueHusk_92, Bluephacebaby_90, Boehler_89, BoogieWoogie_92, Brilliant_94, Buckeye_90, Burr_91, CamL_91, CampRoach_91, Cannibal_91, Carthage_92, Caspiboi_90, Chaelin_92, Chah_93, Charles1_92, CharlieGBrown_89, CheetO_88, Cher_91, Childish_91, Chipette_91, Chorkpop_92, Chuni_94, Chunky_90, Chute_91, Cobra_91, Colbert_89, Coletti_94, Cornbread_89,

Cosmolli16_93, Craff_92, Crownjwl_88, DaddyDaniels_94, Daffy_90, Daka_93, Dati_88, DelRivs_89, Derpp_90, Dice_90, Dingo_88, Dione_89, DirtJuice_90, Doddsville_88, DoesntMatter_88, DolOn_95, DonSanchon_86, DuchessDung_88, Duggie_91, Durga_93, ElvisPhasley_92, EmGer13_90, Emiris_93, EmpTee_90, Eremos_89, Etaye_90, Eugenia_93, Fang_92, Flake_90, FleetyMac_90, FluffyNinja_92, Fozzie_88, Frankicide_89, FremontTroll_91, Freya_87, FriarPreacher_88, Fringe_95, FugateOSU_91, Funsized_83, Gareth_91, GeneCoco_91, Giraffe_91, Gophee_90, Grand2040_89, GreenChile_90, Gwennie1_90, Gwilliam_91, Gyarad_0090, HSavage_89, Haimas_88, Haleema_90, Hamish_88, Happabalu_89, Hartsy_89, Harvey_88, Hashim76_92, Hekos_89, Held_89, HenryJackson_91, Hertubise_90, Hetaeria_91, HighStump_92, Hocus_89, HogWash_91, Horchata_86, ImtiyazSitla_92, Imvubu_86, Inchworm_92, Inverness_89, Iridessa_92, Iridoclysis_90, IsaacEli_93, JDog_90, JacAttac_91, JakeO_92, JangoPhett_89, Jbug01_89, Jesabah_93, Jillium_92, Jiminy_91, Jiraiya_92, KLucky39_89, Kahve_91, Kailash_89, Karn_91, Katniss_93, KayaCho_82, Keitherie_94, Khan1_90, Kikipoo_93, Kimbrough_92, KingTut_82, KingVeVeVe_89, Kiwot_91, KlimbOn_90, Kloppinator_91, Knocker_82, Kwadwo_90, Kwksand96_92, Labeouficaum_91, Larson_93, LasagnaCat_92, Lasso_90, LeeLot_89, Lego3393_89, Legolas_92, Lehmann_92, LeiMonet_94, LemonSlice_91, Leopard_100, LittleMinkey_98, Longacauda_92, LostAndPhound_90, LuckyMarjie_88, Lulumae_86, Lulwa_88, Lumine_92, MRabcd_91, Mag7_89, Magic8_90, Mana_88, Manad_90, Maru_91, Maskar_92, Matalotodo_89, Mcshane_90, Mecca_91, Megamind20_91, Megatron_92, Melc17_88, MelsMeow_90, Mesh1_92, Mesmerelda_90, MichaelPhcott_89, Mikota_86, MiniBoss_87, MitKao_91, Morgushi_88, Morty_91, Mosaic_88, MrPhizzler_94, Mulan_90, Murdoc_87, Mutante_92, Nacho_0093, Nathan_91, Nehme_87, Newman_87, NiaNia_92, Nicole21_92, Nova1_90, Numberten_90, Nyala_90, OSmaximus_92, Olak_90, Oline_90, Olive_87, OliverWalter_90, Omniscient_92, OneBrain_93, Oosterbaan_91, Orfeu_90, Orion_89, Orwigg_90, PG1_89, Pacifista_90, PallasAthena_92, Phamished_90, Phareon_88, PhatCats2014_90, PhatLouie_93, PhenghisKhan_91, Pherdinand_92, Phergie_91, Phipps_89, Phleuron_88, PhrankReynolds_89, PhrodoBaggins_93, Phunky_88, Piglet_0090, PinheadLarry_90, Pinkman_90, Pipsqueak_88, Placalicious_89, Plata_90, Plmatters_88, Podrick_89, Pops_88, Potter_85, Prickles_92, ProfessorX_89, Puhltonio_87, QueenBeane_91, Quisquiliae_93, RedMaple_90, RedRaider89_90, Ricotta_91, Riggan_92, Rimu_89, Rinkes_80, Robyn_93, Roliet_88, Roscoe_90, Roy17_88, SDcharge11_90, Salazzle_89, Samaymay_91, SassyCat97_89, Schueller_89, Scoot17C_91, Scrick_90, Selr12_92, Septica_92, Serendipity_90, Serpentine_0092, ShadowBud_91, Sheila_85, ShiVal_89, Sigman_90, SilverBell_92, Simielle_90, SirBeauregard_92, Skippy_91, Slatt_91, Soile_92, Solosis_89, Sophia_89, Soto_88, Spartan300_90, Squid_90, Squiggle_90, Struggle_91, Surely_91, Swiphy_93, Swish_92, TallGrassMM_90, Taraxa_91, Telesworld_89, Thora_89, ThreeOh3D2_92, Thunderbird_91, Timmi_89, TomBombadil_91, Tomlarah_91, Toni_90, TooFast2Furius_90, Tooj_88, Triad_91, True_89, Trypo_91, TyrionL_91, UAch1_92, UncleHowie_87, Usavi_91, Vaishali24_92, Valjean_89, Vaticameos_88, Vectra_90, Veritas_90, Virapocalypse_92, Virgeve_89, Vista_90, Vivaldi_91, Vortex_89, Wallhey_92, Waterdiva_92, Weher20_88, Windsor_91, Xavier_90, Yoshand_92, YouGoGlencoco_91, Zaider_92, Zelda_91, Zenteno07_95, Zonia_91,

Genes that have the "Most Annotated" start but do not call it:
• Riverton_90, SallyH_94,

Genes that do not have the "Most Annotated" start:
• LilMcDreamy_79,

Summary by start number:

Start 6:
• Found in 329 of 330 (99.7%) of genes in pham
• Manual Annotations of this start: 301 of 303
• Called 99.4% of time when present
• Phage (with cluster) where this start called: ABU_89 (B1), AbsoluteMadLad_89 (B1), Adriana_91 (B1), Aikoy_102 (AE), Aleia_90 (B1), AltPhacts_88 (B1), Altwerkus_88 (B1), Anderson_92 (B1), Andre_93 (B1), AngelCake_90 (B1), Antonia_90 (B1), Aonishiki_91 (B1), Apizium_89 (B1), Ashraf_92 (B1), Azuria_91 (B1), Badfish_91 (B1), Banjo_87 (B1), Basato_90 (B1), BatteryCK_89 (B1), Beaglebox_87 (B1), BirdsNest_95 (B13), Bishoperium_91 (B1), BlackStallion_90 (B1), BlacksBerry_92 (B1), BlueHusk_92 (B1), Bluephacebaby_90 (B1), Boehler_89 (B1), BoogieWoogie_92 (B1), Brilliant_94 (B1), Buckeye_90 (B1), Burr_91 (B1), CamL_91 (B1), CampRoach_91 (B1), Cannibal_91 (B1), Carthage_92 (B1), Caspiboi_90 (B1), Chaelin_92 (B1), Chah_93 (B1), Charles1_92 (B1), CharlieGBrown_89 (B1), CheetO_88 (B1), Cher_91 (B1), Childish_91 (B1), Chipette_91 (B1), Chorkpop_92 (B1), Chuni_94 (B1), Chunky_90 (B1), Chute_91 (B1), Cobra_91 (B1), Colbert_89 (B1), Coletti_94 (B1), Cornbread_89 (B1), Cosmolli16_93 (B1), Craff_92 (B1), Crownjwl_88 (B1), DaddyDaniels_94 (B1), Daffy_90 (B1), Daka_93 (B1), Dati_88 (B1), DelRivs_89 (B1), Derpp_90 (B1), Dice_90 (B1), Dingo_88 (B1), Dione_89 (B1), DirtJuice_90 (B1), Doddsville_88 (B1), DoesntMatter_88 (B1), DolOn_95 (B1), DonSanchon_86 (B1), DuchessDung_88 (B1), Duggie_91 (B1), Durga_93 (B1), ElvisPhasley_92 (B1), EmGer13_90 (B1), Emiris_93 (B1), EmpTee_90 (B1), Eremos_89 (B1), Etaye_90 (B1), Eugenia_93 (B1), Fang_92 (B1), Flake_90 (B1), FleetyMac_90 (B1), FluffyNinja_92 (B1), Fozzie_88 (B1), Frankicide_89 (B1), FremontTroll_91 (B1), Freya_87 (B1), FriarPreacher_88 (B1), Fringe_95 (B1), FugateOSU_91 (B1), Funsized_83 (B9), Gareth_91 (B1), GeneCoco_91 (B1), Giraffe_91 (B1), Gophee_90 (B1), Grand2040_89 (B1), GreenChile_90 (B1), Gwennie1_90 (B1), Gwilliam_91 (B1), Gyarad_0090 (B1), HSavage_89 (B1), Haimas_88 (B1), Haleema_90 (B1), Hamish_88 (B1), Happabalu_89 (B1), Hartsy_89 (B1), Harvey_88 (B1), Hashim76_92 (B13), Hekos_89 (B1), Held_89 (B1), HenryJackson_91 (B1), Hertubise_90 (B1), Hetaeria_91 (B1), HighStump_92 (B1), Hocus_89 (B1), HogWash_91 (B1), Horchata_86 (B1), ImtiyazSitla_92 (B1), Imvubu_86 (B10), Inchworm_92 (B1), Inverness_89 (B1), Iridessa_92 (B1), Iridoclysis_90 (B1), IsaacEli_93 (B1), JDog_90 (B1), JacAttac_91 (B1), JakeO_92 (B1), JangoPhett_89 (B1), Jbug01_89 (B1), Jesabah_93 (B1), Jillium_92 (B1), Jiminy_91 (B1), Jiraiya_92 (B1), KLucky39_89 (B1), Kahve_91 (B1), Kailash_89 (B1), Karn_91 (B1), Katniss_93 (B1), KayaCho_82 (B6), Keitherie_94 (B1), Khan1_90 (B1), Kikipoo_93 (B1), Kimbrough_92 (B1), KingTut_82 (B1), KingVeVeVe_89 (B1), Kiwot_91 (B1), KlimbOn_90 (B1), Kloppinator_91 (B1), Knocker_82 (B9), Kwadwo_90 (B1), Kwksand96_92 (B1), Labeouficaum_91 (B1), Larson_93 (B1), LasagnaCat_92 (B1), Lasso_90 (B1), LeeLot_89 (B1), Lego3393_89 (B1), Legolas_92 (B1), Lehmann_92 (B1), LeiMonet_94 (B1), LemonSlice_91 (B1), Leopard_100 (AE), LittleMinkey_98 (B13), Longacauda_92 (B1), LostAndPhound_90 (B1), LuckyMarjie_88 (B1), Lulumae_86 (B1), Lulwa_88 (B1), Lumine_92 (B1), MRabcd_91 (B1), Mag7_89 (B1), Magic8_90 (B1), Mana_88 (B1), Manad_90 (B1), Maru_91 (B1), Maskar_92 (B1), Matalotodo_89 (B1), Mcshane_90 (B1), Mecca_91 (B1), Megamind20_91 (B1), Megatron_92 (B1), Melc17_88 (B1), MelsMeow_90 (B1), Mesh1_92 (B1), Mesmerelda_90 (B1), MichaelPhcott_89 (B1), Mikota_86 (B1),

MiniBoss_87 (B1), MitKao_91 (B1), Morgushi_88 (B1), Morty_91 (B1), Mosaic_88 (B1), MrPhizzler_94 (B1), Mulan_90 (B1), Murdoc_87 (B1), Mutante_92 (B1), Nacho_0093 (B1), Nathan_91 (B1), Nehme_87 (B1), Newman_87 (B1), NiaNia_92 (B1), Nicole21_92 (B1), Nova1_90 (B1), Numberten_90 (B1), Nyala_90 (B1), OSmaximus_92 (B1), Olak_90 (B1), Oline_90 (B1), Olive_87 (B1), OliverWalter_90 (B1), Omniscient_92 (B1), OneBrain_93 (B1), Oosterbaan_91 (B1), Orfeu_90 (B1), Orion_89 (B1), Orwigg_90 (B1), PG1_89 (B1), Pacifista_90 (B1), PallasAthena_92 (B1), Phamished_90 (B1), Phareon_88 (B1), PhatCats2014_90 (B1), PhatLouie_93 (B1), PhenghisKhan_91 (B1), Pherdinand_92 (B1), Phergie_91 (B1), Phipps_89 (B1), Phleuron_88 (B1), PhrankReynolds_89 (B1), PhrodoBaggins_93 (B1), Phunky_88 (B1), Piglet_0090 (B1), PinheadLarry_90 (B1), Pinkman_90 (B1), Pipsqueak_88 (B1), Placalicious_89 (B1), Plata_90 (B1), Plmatters_88 (B1), Podrick_89 (B1), Pops_88 (B1), Potter_85 (B1), Prickles_92 (B1), ProfessorX_89 (B1), Puhltonio_87 (B1), QueenBeane_91 (B1), Quisquiliae_93 (B1), RedMaple_90 (B1), RedRaider89_90 (B1), Ricotta_91 (B1), Riggan_92 (B1), Rimu_89 (B1), Rinkes_80 (B9), Robyn_93 (B1), Roliet_88 (B1), Roscoe_90 (B1), Roy17_88 (B1), SDcharge11_90 (B1), Salazzle_89 (B1), Samaymay_91 (B1), SassyCat97_89 (B1), Schueller_89 (B1), Scoot17C_91 (B1), Scrick_90 (B1), Selr12_92 (B1), Septica_92 (B1), Serendipity_90 (B1), Serpentine_0092 (B1), ShadowBud_91 (B1), Sheila_85 (B1), ShiVal_89 (B1), Sigman_90 (B1), SilverBell_92 (B1), Simielle_90 (B1), SirBeauregard_92 (B1), Skippy_91 (B1), Slatt_91 (B1), Soile_92 (B1), Solosis_89 (B1), Sophia_89 (B1), Soto_88 (B1), Spartan300_90 (B1), Squid_90 (B1), Squiggle_90 (B1), Struggle_91 (B1), Surely_91 (B1), Swiphy_93 (B1), Swish_92 (B1), TallGrassMM_90 (B1), Taraxa_91 (B1), Telesworld_89 (B1), Thora_89 (B1), ThreeOh3D2_92 (B1), Thunderbird_91 (B1), Timmi_89 (B1), TomBombadil_91 (B1), Tomlarah_91 (B1), Toni_90 (B1), TooFast2Furius_90 (B1), Tooj_88 (B1), Triad_91 (B1), True_89 (B1), Trypo_91 (B1), TyrionL_91 (B1), UAch1_92 (B1), UncleHowie_87 (B1), Usavi_91 (B1), Vaishali24_92 (B1), Valjean_89 (B1), Vaticameos_88 (B1), Vectra_90 (B1), Veritas_90 (B1), Virapocalypse_92 (B1), Virgeve_89 (B1), Vista_90 (B1), Vivaldi_91 (B1), Vortex_89 (B1), Wallhey_92 (B1), Waterdiva_92 (B1), Weher20_88 (B1), Windsor_91 (B1), Xavier_90 (B1), Yoshand_92 (B1), YouGoGlencoco_91 (B1), Zaider_92 (B1), Zelda_91 (B1), Zenteno07_95 (B13), Zonia_91 (B1),

Start 7:
• Found in 320 of 330 (97.0%) of genes in pham
• Manual Annotations of this start: 1 of 303
• Called 0.6% of time when present
• Phage (with cluster) where this start called: Riverton_90 (B1), SallyH_94 (B1),

Start 8:
• Found in 1 of 330 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 303
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LilMcDreamy_79 (B12),

Summary by clusters:

There are 7 clusters represented in this pham: AE, B6, B12, B13, B10, B9, B1,

Info for manual annotations of cluster AE:
•Start number 6 was manually annotated 2 times for cluster AE.

Info for manual annotations of cluster B1:

•Start number 6 was manually annotated 291 times for cluster B1.
•Start number 7 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B10:
•Start number 6 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B12:
•Start number 8 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:
•Start number 6 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B6:
•Start number 6 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B9:
•Start number 6 was manually annotated 3 times for cluster B9.

Gene Information:

Gene: ABU_89 Start: 64749, Stop: 64528, Start Num: 6
Candidate Starts for ABU_89:
(Start: 6 @64749 has 301 MA's), (Start: 7 @64740 has 1 MA's), (9, 64716), (14, 64683), (15, 64674),

Gene: AbsoluteMadLad_89 Start: 64702, Stop: 64481, Start Num: 6
Candidate Starts for AbsoluteMadLad_89:
(Start: 6 @64702 has 301 MA's), (Start: 7 @64693 has 1 MA's), (9, 64669), (14, 64636), (15, 64627),

Gene: Adriana_91 Start: 65264, Stop: 65043, Start Num: 6
Candidate Starts for Adriana_91:
(Start: 6 @65264 has 301 MA's), (Start: 7 @65255 has 1 MA's), (9, 65231), (14, 65198), (15, 65189),

Gene: Aikoy_102 Start: 66205, Stop: 66456, Start Num: 6
Candidate Starts for Aikoy_102:
(4, 66157), (Start: 6 @66205 has 301 MA's), (Start: 7 @66214 has 1 MA's), (14, 66271), (16, 66283), (17, 66301), (19, 66313),

Gene: Aleia_90 Start: 64392, Stop: 64171, Start Num: 6
Candidate Starts for Aleia_90:
(Start: 6 @64392 has 301 MA's), (Start: 7 @64383 has 1 MA's), (9, 64359), (14, 64326), (15, 64317),

Gene: AltPhacts_88 Start: 63968, Stop: 63747, Start Num: 6
Candidate Starts for AltPhacts_88:
(Start: 6 @63968 has 301 MA's), (Start: 7 @63959 has 1 MA's), (9, 63935), (14, 63902), (15, 63893),

Gene: Altwerkus_88 Start: 64078, Stop: 63857, Start Num: 6
Candidate Starts for Altwerkus_88:
(Start: 6 @64078 has 301 MA's), (Start: 7 @64069 has 1 MA's), (9, 64045), (14, 64012), (15, 64003),

Gene: Anderson_92 Start: 64625, Stop: 64404, Start Num: 6
Candidate Starts for Anderson_92:

(Start: 6 @64625 has 301 MA's), (Start: 7 @64616 has 1 MA's), (9, 64592), (14, 64559), (15, 64550),

Gene: Andre_93 Start: 64647, Stop: 64426, Start Num: 6
Candidate Starts for Andre_93:
(Start: 6 @64647 has 301 MA's), (Start: 7 @64638 has 1 MA's), (9, 64614), (14, 64581), (15, 64572),

Gene: AngelCake_90 Start: 64374, Stop: 64153, Start Num: 6
Candidate Starts for AngelCake_90:
(Start: 6 @64374 has 301 MA's), (Start: 7 @64365 has 1 MA's), (9, 64341), (14, 64308), (15, 64299),

Gene: Antonia_90 Start: 64251, Stop: 64030, Start Num: 6
Candidate Starts for Antonia_90:
(Start: 6 @64251 has 301 MA's), (Start: 7 @64242 has 1 MA's), (9, 64218), (14, 64185), (15, 64176),

Gene: Aonishiki_91 Start: 64560, Stop: 64339, Start Num: 6
Candidate Starts for Aonishiki_91:
(Start: 6 @64560 has 301 MA's), (Start: 7 @64551 has 1 MA's), (9, 64527), (14, 64494), (15, 64485),

Gene: Apizium_89 Start: 63906, Stop: 63685, Start Num: 6
Candidate Starts for Apizium_89:
(Start: 6 @63906 has 301 MA's), (Start: 7 @63897 has 1 MA's), (9, 63873), (14, 63840), (15, 63831),

Gene: Ashraf_92 Start: 64738, Stop: 64517, Start Num: 6
Candidate Starts for Ashraf_92:
(Start: 6 @64738 has 301 MA's), (Start: 7 @64729 has 1 MA's), (9, 64705), (14, 64672), (15, 64663),

Gene: Azuria_91 Start: 64696, Stop: 64475, Start Num: 6
Candidate Starts for Azuria_91:
(Start: 6 @64696 has 301 MA's), (Start: 7 @64687 has 1 MA's), (9, 64663), (14, 64630), (15, 64621),

Gene: Badfish_91 Start: 64929, Stop: 64708, Start Num: 6
Candidate Starts for Badfish_91:
(Start: 6 @64929 has 301 MA's), (Start: 7 @64920 has 1 MA's), (9, 64896), (14, 64863), (15, 64854),

Gene: Banjo_87 Start: 64195, Stop: 63974, Start Num: 6
Candidate Starts for Banjo_87:
(Start: 6 @64195 has 301 MA's), (Start: 7 @64186 has 1 MA's), (9, 64162), (14, 64129), (15, 64120),

Gene: Basato_90 Start: 64660, Stop: 64439, Start Num: 6
Candidate Starts for Basato_90:
(Start: 6 @64660 has 301 MA's), (Start: 7 @64651 has 1 MA's), (9, 64627), (14, 64594), (15, 64585),

Gene: BatteryCK_89 Start: 64186, Stop: 63965, Start Num: 6
Candidate Starts for BatteryCK_89:
(Start: 6 @64186 has 301 MA's), (Start: 7 @64177 has 1 MA's), (9, 64153), (14, 64120), (15, 64111),

Gene: Beaglebox_87 Start: 64317, Stop: 64096, Start Num: 6
Candidate Starts for Beaglebox_87:
(Start: 6 @64317 has 301 MA's), (Start: 7 @64308 has 1 MA's), (9, 64284), (14, 64251), (15, 64242),

Gene: BirdsNest_95 Start: 67179, Stop: 66952, Start Num: 6
Candidate Starts for BirdsNest_95:
(Start: 6 @67179 has 301 MA's), (11, 67134), (15, 67104), (30, 66978), (31, 66969),

Gene: Bishoperium_91 Start: 64764, Stop: 64543, Start Num: 6
Candidate Starts for Bishoperium_91:
(Start: 6 @64764 has 301 MA's), (Start: 7 @64755 has 1 MA's), (9, 64731), (14, 64698), (15, 64689),

Gene: BlackStallion_90 Start: 64614, Stop: 64393, Start Num: 6
Candidate Starts for BlackStallion_90:
(Start: 6 @64614 has 301 MA's), (Start: 7 @64605 has 1 MA's), (9, 64581), (14, 64548), (15, 64539),

Gene: BlacksBerry_92 Start: 64139, Stop: 63918, Start Num: 6
Candidate Starts for BlacksBerry_92:
(Start: 6 @64139 has 301 MA's), (Start: 7 @64130 has 1 MA's), (9, 64106), (14, 64073), (15, 64064),

Gene: BlueHusk_92 Start: 64438, Stop: 64217, Start Num: 6
Candidate Starts for BlueHusk_92:
(Start: 6 @64438 has 301 MA's), (Start: 7 @64429 has 1 MA's), (9, 64405), (14, 64372), (15, 64363),

Gene: Bluephacebaby_90 Start: 64798, Stop: 64577, Start Num: 6
Candidate Starts for Bluephacebaby_90:
(Start: 6 @64798 has 301 MA's), (Start: 7 @64789 has 1 MA's), (9, 64765), (14, 64732), (15, 64723),

Gene: Boehler_89 Start: 64589, Stop: 64368, Start Num: 6
Candidate Starts for Boehler_89:
(Start: 6 @64589 has 301 MA's), (Start: 7 @64580 has 1 MA's), (9, 64556), (14, 64523), (15, 64514),

Gene: BoogieWoogie_92 Start: 64210, Stop: 63989, Start Num: 6
Candidate Starts for BoogieWoogie_92:
(Start: 6 @64210 has 301 MA's), (Start: 7 @64201 has 1 MA's), (9, 64177), (14, 64144), (15, 64135),

Gene: Brilliant_94 Start: 64778, Stop: 64557, Start Num: 6
Candidate Starts for Brilliant_94:
(Start: 6 @64778 has 301 MA's), (Start: 7 @64769 has 1 MA's), (9, 64745), (14, 64712), (15, 64703),

Gene: Buckeye_90 Start: 65316, Stop: 65095, Start Num: 6
Candidate Starts for Buckeye_90:
(Start: 6 @65316 has 301 MA's), (Start: 7 @65307 has 1 MA's), (9, 65283), (14, 65250), (15, 65241),

Gene: Burr_91 Start: 64250, Stop: 64029, Start Num: 6
Candidate Starts for Burr_91:
(Start: 6 @64250 has 301 MA's), (Start: 7 @64241 has 1 MA's), (9, 64217), (14, 64184), (15, 64175),

Gene: CamL_91 Start: 64549, Stop: 64328, Start Num: 6
Candidate Starts for CamL_91:
(Start: 6 @64549 has 301 MA's), (Start: 7 @64540 has 1 MA's), (9, 64516), (14, 64483), (15, 64474),

Gene: CampRoach_91 Start: 64646, Stop: 64425, Start Num: 6
Candidate Starts for CampRoach_91:
(Start: 6 @64646 has 301 MA's), (Start: 7 @64637 has 1 MA's), (9, 64613), (14, 64580), (15, 64571),

Gene: Cannibal_91 Start: 64652, Stop: 64431, Start Num: 6
Candidate Starts for Cannibal_91:
(Start: 6 @64652 has 301 MA's), (Start: 7 @64643 has 1 MA's), (9, 64619), (14, 64586), (15, 64577),

Gene: Carthage_92 Start: 64329, Stop: 64087, Start Num: 6
Candidate Starts for Carthage_92:
(Start: 6 @64329 has 301 MA's), (Start: 7 @64320 has 1 MA's), (9, 64296), (14, 64263), (15, 64254), (22, 64182),

Gene: Caspiboi_90 Start: 64485, Stop: 64264, Start Num: 6
Candidate Starts for Caspiboi_90:
(Start: 6 @64485 has 301 MA's), (Start: 7 @64476 has 1 MA's), (9, 64452), (14, 64419), (15, 64410),

Gene: Chaelin_92 Start: 64780, Stop: 64559, Start Num: 6
Candidate Starts for Chaelin_92:
(Start: 6 @64780 has 301 MA's), (Start: 7 @64771 has 1 MA's), (9, 64747), (14, 64714), (15, 64705),

Gene: Chah_93 Start: 64349, Stop: 64128, Start Num: 6
Candidate Starts for Chah_93:
(Start: 6 @64349 has 301 MA's), (Start: 7 @64340 has 1 MA's), (9, 64316), (14, 64283), (15, 64274),

Gene: Charles1_92 Start: 64558, Stop: 64337, Start Num: 6
Candidate Starts for Charles1_92:
(Start: 6 @64558 has 301 MA's), (Start: 7 @64549 has 1 MA's), (9, 64525), (14, 64492), (15, 64483),

Gene: CharlieGBrown_89 Start: 64281, Stop: 64060, Start Num: 6
Candidate Starts for CharlieGBrown_89:
(Start: 6 @64281 has 301 MA's), (Start: 7 @64272 has 1 MA's), (9, 64248), (14, 64215), (15, 64206),

Gene: CheetO_88 Start: 64655, Stop: 64434, Start Num: 6
Candidate Starts for CheetO_88:
(Start: 6 @64655 has 301 MA's), (Start: 7 @64646 has 1 MA's), (9, 64622), (14, 64589), (15, 64580),

Gene: Cher_91 Start: 64753, Stop: 64532, Start Num: 6
Candidate Starts for Cher_91:
(Start: 6 @64753 has 301 MA's), (Start: 7 @64744 has 1 MA's), (9, 64720), (14, 64687), (15, 64678),

Gene: Childish_91 Start: 64943, Stop: 64722, Start Num: 6
Candidate Starts for Childish_91:
(Start: 6 @64943 has 301 MA's), (Start: 7 @64934 has 1 MA's), (9, 64910), (14, 64877), (15, 64868),

Gene: Chipette_91 Start: 64480, Stop: 64259, Start Num: 6
Candidate Starts for Chipette_91:
(Start: 6 @64480 has 301 MA's), (Start: 7 @64471 has 1 MA's), (9, 64447), (14, 64414), (15, 64405),

Gene: Chorkpop_92 Start: 64406, Stop: 64185, Start Num: 6
Candidate Starts for Chorkpop_92:
(Start: 6 @64406 has 301 MA's), (Start: 7 @64397 has 1 MA's), (9, 64373), (14, 64340), (15, 64331),

Gene: Chuni_94 Start: 64991, Stop: 64770, Start Num: 6
Candidate Starts for Chuni_94:
(Start: 6 @64991 has 301 MA's), (Start: 7 @64982 has 1 MA's), (9, 64958), (14, 64925), (15, 64916),

Gene: Chunky_90 Start: 64251, Stop: 64030, Start Num: 6
Candidate Starts for Chunky_90:
(Start: 6 @64251 has 301 MA's), (Start: 7 @64242 has 1 MA's), (9, 64218), (14, 64185), (15, 64176),

Gene: Chute_91 Start: 64944, Stop: 64723, Start Num: 6
Candidate Starts for Chute_91:
(Start: 6 @64944 has 301 MA's), (Start: 7 @64935 has 1 MA's), (9, 64911), (14, 64878), (15, 64869),

Gene: Cobra_91 Start: 64775, Stop: 64554, Start Num: 6
Candidate Starts for Cobra_91:
(Start: 6 @64775 has 301 MA's), (Start: 7 @64766 has 1 MA's), (9, 64742), (14, 64709), (15, 64700),

Gene: Colbert_89 Start: 63673, Stop: 63452, Start Num: 6
Candidate Starts for Colbert_89:
(Start: 6 @63673 has 301 MA's), (Start: 7 @63664 has 1 MA's), (9, 63640), (14, 63607), (15, 63598),

Gene: Coletti_94 Start: 65300, Stop: 65079, Start Num: 6
Candidate Starts for Coletti_94:
(Start: 6 @65300 has 301 MA's), (Start: 7 @65291 has 1 MA's), (9, 65267), (14, 65234), (15, 65225),

Gene: Cornbread_89 Start: 64433, Stop: 64212, Start Num: 6
Candidate Starts for Cornbread_89:
(Start: 6 @64433 has 301 MA's), (Start: 7 @64424 has 1 MA's), (9, 64400), (14, 64367), (15, 64358),

Gene: Cosmolli16_93 Start: 65121, Stop: 64900, Start Num: 6
Candidate Starts for Cosmolli16_93:
(Start: 6 @65121 has 301 MA's), (Start: 7 @65112 has 1 MA's), (9, 65088), (14, 65055), (15, 65046),

Gene: Craff_92 Start: 65164, Stop: 64943, Start Num: 6
Candidate Starts for Craff_92:
(Start: 6 @65164 has 301 MA's), (Start: 7 @65155 has 1 MA's), (9, 65131), (14, 65098), (15, 65089),

Gene: Crownjwl_88 Start: 64430, Stop: 64209, Start Num: 6
Candidate Starts for Crownjwl_88:
(Start: 6 @64430 has 301 MA's), (Start: 7 @64421 has 1 MA's), (9, 64397), (14, 64364), (15, 64355),

Gene: DaddyDaniels_94 Start: 64897, Stop: 64676, Start Num: 6
Candidate Starts for DaddyDaniels_94:
(Start: 6 @64897 has 301 MA's), (Start: 7 @64888 has 1 MA's), (9, 64864), (14, 64831), (15, 64822),

Gene: Daffy_90 Start: 64391, Stop: 64170, Start Num: 6
Candidate Starts for Daffy_90:
(Start: 6 @64391 has 301 MA's), (Start: 7 @64382 has 1 MA's), (9, 64358), (14, 64325), (15, 64316),

Gene: Daka_93 Start: 64596, Stop: 64375, Start Num: 6
Candidate Starts for Daka_93:
(Start: 6 @64596 has 301 MA's), (Start: 7 @64587 has 1 MA's), (9, 64563), (14, 64530), (15, 64521),

Gene: Dati_88 Start: 64575, Stop: 64354, Start Num: 6
Candidate Starts for Dati_88:
(Start: 6 @64575 has 301 MA's), (Start: 7 @64566 has 1 MA's), (9, 64542), (14, 64509), (15, 64500),

Gene: DelRivs_89 Start: 64204, Stop: 63983, Start Num: 6
Candidate Starts for DelRivs_89:
(Start: 6 @64204 has 301 MA's), (Start: 7 @64195 has 1 MA's), (9, 64171), (14, 64138), (15, 64129),

Gene: Derpp_90 Start: 64314, Stop: 64093, Start Num: 6

Candidate Starts for Derpp_90:
(Start: 6 @64314 has 301 MA's), (Start: 7 @64305 has 1 MA's), (9, 64281), (14, 64248), (15, 64239),

Gene: Dice_90 Start: 64236, Stop: 64015, Start Num: 6
Candidate Starts for Dice_90:
(Start: 6 @64236 has 301 MA's), (Start: 7 @64227 has 1 MA's), (9, 64203), (14, 64170), (15, 64161),

Gene: Dingo_88 Start: 63957, Stop: 63736, Start Num: 6
Candidate Starts for Dingo_88:
(Start: 6 @63957 has 301 MA's), (Start: 7 @63948 has 1 MA's), (9, 63924), (14, 63891), (15, 63882),

Gene: Dione_89 Start: 63956, Stop: 63735, Start Num: 6
Candidate Starts for Dione_89:
(Start: 6 @63956 has 301 MA's), (Start: 7 @63947 has 1 MA's), (9, 63923), (14, 63890), (15, 63881),

Gene: DirtJuice_90 Start: 64696, Stop: 64475, Start Num: 6
Candidate Starts for DirtJuice_90:
(Start: 6 @64696 has 301 MA's), (Start: 7 @64687 has 1 MA's), (9, 64663), (14, 64630), (15, 64621),

Gene: Doddsville_88 Start: 64396, Stop: 64175, Start Num: 6
Candidate Starts for Doddsville_88:
(Start: 6 @64396 has 301 MA's), (Start: 7 @64387 has 1 MA's), (9, 64363), (14, 64330), (15, 64321),

Gene: DoesntMatter_88 Start: 64232, Stop: 64011, Start Num: 6
Candidate Starts for DoesntMatter_88:
(Start: 6 @64232 has 301 MA's), (Start: 7 @64223 has 1 MA's), (9, 64199), (14, 64166), (15, 64157),

Gene: DolOn_95 Start: 65682, Stop: 65461, Start Num: 6
Candidate Starts for DolOn_95:
(Start: 6 @65682 has 301 MA's), (Start: 7 @65673 has 1 MA's), (9, 65649), (14, 65616), (15, 65607),

Gene: DonSanchon_86 Start: 63914, Stop: 63693, Start Num: 6
Candidate Starts for DonSanchon_86:
(Start: 6 @63914 has 301 MA's), (Start: 7 @63905 has 1 MA's), (9, 63881), (14, 63848), (15, 63839),

Gene: DuchessDung_88 Start: 63912, Stop: 63691, Start Num: 6
Candidate Starts for DuchessDung_88:
(Start: 6 @63912 has 301 MA's), (Start: 7 @63903 has 1 MA's), (9, 63879), (14, 63846), (15, 63837),

Gene: Duggie_91 Start: 64538, Stop: 64317, Start Num: 6
Candidate Starts for Duggie_91:
(Start: 6 @64538 has 301 MA's), (Start: 7 @64529 has 1 MA's), (9, 64505), (14, 64472), (15, 64463),

Gene: Durga_93 Start: 65020, Stop: 64799, Start Num: 6
Candidate Starts for Durga_93:
(Start: 6 @65020 has 301 MA's), (Start: 7 @65011 has 1 MA's), (9, 64987), (14, 64954), (15, 64945),

Gene: ElvisPhasley_92 Start: 65562, Stop: 65341, Start Num: 6
Candidate Starts for ElvisPhasley_92:
(Start: 6 @65562 has 301 MA's), (Start: 7 @65553 has 1 MA's), (9, 65529), (14, 65496), (15, 65487),

Gene: EmGer13_90 Start: 64251, Stop: 64030, Start Num: 6
Candidate Starts for EmGer13_90:

(Start: 6 @64251 has 301 MA's), (Start: 7 @64242 has 1 MA's), (9, 64218), (14, 64185), (15, 64176),

Gene: Emiris_93 Start: 64926, Stop: 64705, Start Num: 6
Candidate Starts for Emiris_93:
(Start: 6 @64926 has 301 MA's), (Start: 7 @64917 has 1 MA's), (9, 64893), (14, 64860), (15, 64851),

Gene: EmpTee_90 Start: 64328, Stop: 64107, Start Num: 6
Candidate Starts for EmpTee_90:
(Start: 6 @64328 has 301 MA's), (Start: 7 @64319 has 1 MA's), (9, 64295), (14, 64262), (15, 64253),

Gene: Eremos_89 Start: 64618, Stop: 64397, Start Num: 6
Candidate Starts for Eremos_89:
(Start: 6 @64618 has 301 MA's), (Start: 7 @64609 has 1 MA's), (9, 64585), (14, 64552), (15, 64543),

Gene: Etaye_90 Start: 65104, Stop: 64883, Start Num: 6
Candidate Starts for Etaye_90:
(Start: 6 @65104 has 301 MA's), (Start: 7 @65095 has 1 MA's), (9, 65071), (14, 65038), (15, 65029),

Gene: Eugenia_93 Start: 65038, Stop: 64817, Start Num: 6
Candidate Starts for Eugenia_93:
(Start: 6 @65038 has 301 MA's), (Start: 7 @65029 has 1 MA's), (9, 65005), (14, 64972), (15, 64963),

Gene: Fang_92 Start: 64746, Stop: 64525, Start Num: 6
Candidate Starts for Fang_92:
(Start: 6 @64746 has 301 MA's), (Start: 7 @64737 has 1 MA's), (9, 64713), (14, 64680), (15, 64671),

Gene: Flake_90 Start: 64518, Stop: 64297, Start Num: 6
Candidate Starts for Flake_90:
(Start: 6 @64518 has 301 MA's), (Start: 7 @64509 has 1 MA's), (9, 64485), (14, 64452), (15, 64443),

Gene: FleetyMac_90 Start: 64428, Stop: 64207, Start Num: 6
Candidate Starts for FleetyMac_90:
(Start: 6 @64428 has 301 MA's), (Start: 7 @64419 has 1 MA's), (9, 64395), (14, 64362), (15, 64353),

Gene: FluffyNinja_92 Start: 64616, Stop: 64395, Start Num: 6
Candidate Starts for FluffyNinja_92:
(Start: 6 @64616 has 301 MA's), (Start: 7 @64607 has 1 MA's), (9, 64583), (14, 64550), (15, 64541),

Gene: Fozzie_88 Start: 64942, Stop: 64721, Start Num: 6
Candidate Starts for Fozzie_88:
(Start: 6 @64942 has 301 MA's), (Start: 7 @64933 has 1 MA's), (9, 64909), (14, 64876), (15, 64867),

Gene: Frankicide_89 Start: 64442, Stop: 64221, Start Num: 6
Candidate Starts for Frankicide_89:
(Start: 6 @64442 has 301 MA's), (Start: 7 @64433 has 1 MA's), (9, 64409), (14, 64376), (15, 64367),

Gene: FremontTroll_91 Start: 64855, Stop: 64634, Start Num: 6
Candidate Starts for FremontTroll_91:
(Start: 6 @64855 has 301 MA's), (Start: 7 @64846 has 1 MA's), (9, 64822), (14, 64789), (15, 64780),

Gene: Freya_87 Start: 63934, Stop: 63713, Start Num: 6
Candidate Starts for Freya_87:
(Start: 6 @63934 has 301 MA's), (Start: 7 @63925 has 1 MA's), (9, 63901), (14, 63868), (15, 63859),

Gene: FriarPreacher_88 Start: 64315, Stop: 64094, Start Num: 6
Candidate Starts for FriarPreacher_88:
(Start: 6 @64315 has 301 MA's), (Start: 7 @64306 has 1 MA's), (9, 64282), (14, 64249), (15, 64240),

Gene: Fringe_95 Start: 65092, Stop: 64871, Start Num: 6
Candidate Starts for Fringe_95:
(Start: 6 @65092 has 301 MA's), (Start: 7 @65083 has 1 MA's), (9, 65059), (14, 65026), (15, 65017),

Gene: FugateOSU_91 Start: 65375, Stop: 65154, Start Num: 6
Candidate Starts for FugateOSU_91:
(Start: 6 @65375 has 301 MA's), (Start: 7 @65366 has 1 MA's), (9, 65342), (14, 65309), (15, 65300),

Gene: Funsized_83 Start: 66552, Stop: 66259, Start Num: 6
Candidate Starts for Funsized_83:
(1, 66690), (5, 66585), (Start: 6 @66552 has 301 MA's), (10, 66519), (13, 66492), (14, 66489), (23, 66387), (32, 66303),

Gene: Gareth_91 Start: 64764, Stop: 64543, Start Num: 6
Candidate Starts for Gareth_91:
(Start: 6 @64764 has 301 MA's), (Start: 7 @64755 has 1 MA's), (9, 64731), (14, 64698), (15, 64689),

Gene: GeneCoco_91 Start: 64944, Stop: 64723, Start Num: 6
Candidate Starts for GeneCoco_91:
(Start: 6 @64944 has 301 MA's), (Start: 7 @64935 has 1 MA's), (9, 64911), (14, 64878), (15, 64869),

Gene: Giraffe_91 Start: 64768, Stop: 64547, Start Num: 6
Candidate Starts for Giraffe_91:
(Start: 6 @64768 has 301 MA's), (Start: 7 @64759 has 1 MA's), (9, 64735), (14, 64702), (15, 64693),

Gene: Gophee_90 Start: 64755, Stop: 64534, Start Num: 6
Candidate Starts for Gophee_90:
(Start: 6 @64755 has 301 MA's), (Start: 7 @64746 has 1 MA's), (9, 64722), (14, 64689), (15, 64680),

Gene: Grand2040_89 Start: 64733, Stop: 64512, Start Num: 6
Candidate Starts for Grand2040_89:
(Start: 6 @64733 has 301 MA's), (Start: 7 @64724 has 1 MA's), (9, 64700), (14, 64667), (15, 64658),

Gene: GreenChile_90 Start: 64428, Stop: 64207, Start Num: 6
Candidate Starts for GreenChile_90:
(Start: 6 @64428 has 301 MA's), (Start: 7 @64419 has 1 MA's), (9, 64395), (14, 64362), (15, 64353),

Gene: Gwennie1_90 Start: 64579, Stop: 64358, Start Num: 6
Candidate Starts for Gwennie1_90:
(Start: 6 @64579 has 301 MA's), (Start: 7 @64570 has 1 MA's), (9, 64546), (14, 64513), (15, 64504),

Gene: Gwilliam_91 Start: 65299, Stop: 65078, Start Num: 6
Candidate Starts for Gwilliam_91:
(Start: 6 @65299 has 301 MA's), (Start: 7 @65290 has 1 MA's), (9, 65266), (14, 65233), (15, 65224),

Gene: Gyarad_0090 Start: 64253, Stop: 64032, Start Num: 6
Candidate Starts for Gyarad_0090:
(Start: 6 @64253 has 301 MA's), (Start: 7 @64244 has 1 MA's), (9, 64220), (14, 64187), (15, 64178),

Gene: HSavage_89 Start: 64270, Stop: 64049, Start Num: 6
Candidate Starts for HSavage_89:
(Start: 6 @64270 has 301 MA's), (Start: 7 @64261 has 1 MA's), (9, 64237), (14, 64204), (15, 64195),

Gene: Haimas_88 Start: 64195, Stop: 63974, Start Num: 6
Candidate Starts for Haimas_88:
(Start: 6 @64195 has 301 MA's), (Start: 7 @64186 has 1 MA's), (9, 64162), (14, 64129), (15, 64120),

Gene: Haleema_90 Start: 64314, Stop: 64093, Start Num: 6
Candidate Starts for Haleema_90:
(Start: 6 @64314 has 301 MA's), (Start: 7 @64305 has 1 MA's), (9, 64281), (14, 64248), (15, 64239),

Gene: Hamish_88 Start: 64483, Stop: 64262, Start Num: 6
Candidate Starts for Hamish_88:
(Start: 6 @64483 has 301 MA's), (Start: 7 @64474 has 1 MA's), (9, 64450), (14, 64417), (15, 64408),

Gene: Happabalu_89 Start: 65409, Stop: 65188, Start Num: 6
Candidate Starts for Happabalu_89:
(Start: 6 @65409 has 301 MA's), (Start: 7 @65400 has 1 MA's), (9, 65376), (14, 65343), (15, 65334),

Gene: Hartsy_89 Start: 64432, Stop: 64211, Start Num: 6
Candidate Starts for Hartsy_89:
(Start: 6 @64432 has 301 MA's), (Start: 7 @64423 has 1 MA's), (9, 64399), (14, 64366), (15, 64357),

Gene: Harvey_88 Start: 64092, Stop: 63871, Start Num: 6
Candidate Starts for Harvey_88:
(Start: 6 @64092 has 301 MA's), (Start: 7 @64083 has 1 MA's), (9, 64059), (14, 64026), (15, 64017),

Gene: Hashim76_92 Start: 66668, Stop: 66417, Start Num: 6
Candidate Starts for Hashim76_92:
(Start: 6 @66668 has 301 MA's), (11, 66623), (15, 66593), (24, 66521), (29, 66464), (30, 66461),

Gene: Hekos_89 Start: 64107, Stop: 63886, Start Num: 6
Candidate Starts for Hekos_89:
(Start: 6 @64107 has 301 MA's), (Start: 7 @64098 has 1 MA's), (9, 64074), (14, 64041), (15, 64032),

Gene: Held_89 Start: 64213, Stop: 63992, Start Num: 6
Candidate Starts for Held_89:
(Start: 6 @64213 has 301 MA's), (Start: 7 @64204 has 1 MA's), (9, 64180), (14, 64147), (15, 64138),

Gene: HenryJackson_91 Start: 64932, Stop: 64711, Start Num: 6
Candidate Starts for HenryJackson_91:
(Start: 6 @64932 has 301 MA's), (Start: 7 @64923 has 1 MA's), (9, 64899), (14, 64866), (15, 64857),

Gene: Hertubise_90 Start: 64574, Stop: 64353, Start Num: 6
Candidate Starts for Hertubise_90:
(Start: 6 @64574 has 301 MA's), (Start: 7 @64565 has 1 MA's), (9, 64541), (14, 64508), (15, 64499),

Gene: Hetaeria_91 Start: 64581, Stop: 64360, Start Num: 6
Candidate Starts for Hetaeria_91:
(Start: 6 @64581 has 301 MA's), (Start: 7 @64572 has 1 MA's), (9, 64548), (14, 64515), (15, 64506),

Gene: HighStump_92 Start: 64719, Stop: 64498, Start Num: 6
Candidate Starts for HighStump_92:
(Start: 6 @64719 has 301 MA's), (Start: 7 @64710 has 1 MA's), (9, 64686), (14, 64653), (15, 64644),

Gene: Hocus_89 Start: 64233, Stop: 64012, Start Num: 6
Candidate Starts for Hocus_89:
(Start: 6 @64233 has 301 MA's), (Start: 7 @64224 has 1 MA's), (9, 64200), (14, 64167), (15, 64158),

Gene: HogWash_91 Start: 65246, Stop: 65025, Start Num: 6
Candidate Starts for HogWash_91:
(Start: 6 @65246 has 301 MA's), (Start: 7 @65237 has 1 MA's), (9, 65213), (14, 65180), (15, 65171),

Gene: Horchata_86 Start: 64410, Stop: 64189, Start Num: 6
Candidate Starts for Horchata_86:
(Start: 6 @64410 has 301 MA's), (Start: 7 @64401 has 1 MA's), (9, 64377), (14, 64344), (15, 64335),

Gene: ImtiyazSitla_92 Start: 64738, Stop: 64517, Start Num: 6
Candidate Starts for ImtiyazSitla_92:
(Start: 6 @64738 has 301 MA's), (Start: 7 @64729 has 1 MA's), (9, 64705), (14, 64672), (15, 64663),

Gene: Imvubu_86 Start: 64493, Stop: 64143, Start Num: 6
Candidate Starts for Imvubu_86:
(2, 64571), (Start: 6 @64493 has 301 MA's), (23, 64322), (33, 64187), (34, 64172),

Gene: Inchworm_92 Start: 64606, Stop: 64385, Start Num: 6
Candidate Starts for Inchworm_92:
(Start: 6 @64606 has 301 MA's), (Start: 7 @64597 has 1 MA's), (9, 64573), (14, 64540), (15, 64531),

Gene: Inverness_89 Start: 64407, Stop: 64186, Start Num: 6
Candidate Starts for Inverness_89:
(Start: 6 @64407 has 301 MA's), (Start: 7 @64398 has 1 MA's), (9, 64374), (14, 64341), (15, 64332),

Gene: Iridessa_92 Start: 64331, Stop: 64110, Start Num: 6
Candidate Starts for Iridessa_92:
(Start: 6 @64331 has 301 MA's), (Start: 7 @64322 has 1 MA's), (9, 64298), (14, 64265), (15, 64256),

Gene: Iridoclysis_90 Start: 64497, Stop: 64276, Start Num: 6
Candidate Starts for Iridoclysis_90:
(Start: 6 @64497 has 301 MA's), (Start: 7 @64488 has 1 MA's), (9, 64464), (14, 64431), (15, 64422),

Gene: IsaacEli_93 Start: 64737, Stop: 64516, Start Num: 6
Candidate Starts for IsaacEli_93:
(Start: 6 @64737 has 301 MA's), (Start: 7 @64728 has 1 MA's), (9, 64704), (14, 64671), (15, 64662),

Gene: JDog_90 Start: 64767, Stop: 64546, Start Num: 6
Candidate Starts for JDog_90:
(Start: 6 @64767 has 301 MA's), (Start: 7 @64758 has 1 MA's), (9, 64734), (14, 64701), (15, 64692),

Gene: JacAttac_91 Start: 64211, Stop: 63990, Start Num: 6
Candidate Starts for JacAttac_91:
(Start: 6 @64211 has 301 MA's), (Start: 7 @64202 has 1 MA's), (9, 64178), (14, 64145), (15, 64136),

Gene: JakeO_92 Start: 64495, Stop: 64274, Start Num: 6

Candidate Starts for JakeO_92:
(Start: 6 @64495 has 301 MA's), (Start: 7 @64486 has 1 MA's), (9, 64462), (14, 64429), (15, 64420),

Gene: JangoPhett_89 Start: 64571, Stop: 64350, Start Num: 6
Candidate Starts for JangoPhett_89:
(Start: 6 @64571 has 301 MA's), (Start: 7 @64562 has 1 MA's), (9, 64538), (14, 64505), (15, 64496),

Gene: Jbug01_89 Start: 64123, Stop: 63902, Start Num: 6
Candidate Starts for Jbug01_89:
(Start: 6 @64123 has 301 MA's), (Start: 7 @64114 has 1 MA's), (9, 64090), (14, 64057), (15, 64048),

Gene: Jesabah_93 Start: 65333, Stop: 65112, Start Num: 6
Candidate Starts for Jesabah_93:
(Start: 6 @65333 has 301 MA's), (Start: 7 @65324 has 1 MA's), (9, 65300), (14, 65267), (15, 65258),

Gene: Jillium_92 Start: 64927, Stop: 64706, Start Num: 6
Candidate Starts for Jillium_92:
(Start: 6 @64927 has 301 MA's), (Start: 7 @64918 has 1 MA's), (9, 64894), (14, 64861), (15, 64852),

Gene: Jiminy_91 Start: 64431, Stop: 64210, Start Num: 6
Candidate Starts for Jiminy_91:
(Start: 6 @64431 has 301 MA's), (Start: 7 @64422 has 1 MA's), (9, 64398), (14, 64365), (15, 64356),

Gene: Jiraiya_92 Start: 64515, Stop: 64294, Start Num: 6
Candidate Starts for Jiraiya_92:
(Start: 6 @64515 has 301 MA's), (Start: 7 @64506 has 1 MA's), (9, 64482), (14, 64449), (15, 64440),

Gene: KLucky39_89 Start: 64290, Stop: 64069, Start Num: 6
Candidate Starts for KLucky39_89:
(Start: 6 @64290 has 301 MA's), (Start: 7 @64281 has 1 MA's), (9, 64257), (14, 64224), (15, 64215),

Gene: Kahve_91 Start: 64930, Stop: 64709, Start Num: 6
Candidate Starts for Kahve_91:
(Start: 6 @64930 has 301 MA's), (Start: 7 @64921 has 1 MA's), (9, 64897), (14, 64864), (15, 64855),

Gene: Kailash_89 Start: 64630, Stop: 64409, Start Num: 6
Candidate Starts for Kailash_89:
(Start: 6 @64630 has 301 MA's), (Start: 7 @64621 has 1 MA's), (9, 64597), (14, 64564), (15, 64555),

Gene: Karn_91 Start: 64486, Stop: 64265, Start Num: 6
Candidate Starts for Karn_91:
(Start: 6 @64486 has 301 MA's), (Start: 7 @64477 has 1 MA's), (9, 64453), (14, 64420), (15, 64411),

Gene: Katniss_93 Start: 64346, Stop: 64125, Start Num: 6
Candidate Starts for Katniss_93:
(Start: 6 @64346 has 301 MA's), (Start: 7 @64337 has 1 MA's), (9, 64313), (14, 64280), (15, 64271),

Gene: KayaCho_82 Start: 64280, Stop: 64017, Start Num: 6
Candidate Starts for KayaCho_82:
(Start: 6 @64280 has 301 MA's), (11, 64238), (15, 64208), (24, 64103),

Gene: Keitherie_94 Start: 64988, Stop: 64767, Start Num: 6
Candidate Starts for Keitherie_94:

(Start: 6 @64988 has 301 MA's), (Start: 7 @64979 has 1 MA's), (9, 64955), (14, 64922), (15, 64913),

Gene: Khan1_90 Start: 64709, Stop: 64488, Start Num: 6
Candidate Starts for Khan1_90:
(Start: 6 @64709 has 301 MA's), (Start: 7 @64700 has 1 MA's), (9, 64676), (14, 64643), (15, 64634),

Gene: Kikipoo_93 Start: 64737, Stop: 64516, Start Num: 6
Candidate Starts for Kikipoo_93:
(Start: 6 @64737 has 301 MA's), (Start: 7 @64728 has 1 MA's), (9, 64704), (14, 64671), (15, 64662),

Gene: Kimbrough_92 Start: 64809, Stop: 64588, Start Num: 6
Candidate Starts for Kimbrough_92:
(Start: 6 @64809 has 301 MA's), (Start: 7 @64800 has 1 MA's), (9, 64776), (14, 64743), (15, 64734),

Gene: KingTut_82 Start: 60969, Stop: 60748, Start Num: 6
Candidate Starts for KingTut_82:
(Start: 6 @60969 has 301 MA's), (Start: 7 @60960 has 1 MA's), (9, 60936), (14, 60903), (15, 60894),

Gene: KingVeVeVe_89 Start: 63943, Stop: 63722, Start Num: 6
Candidate Starts for KingVeVeVe_89:
(Start: 6 @63943 has 301 MA's), (Start: 7 @63934 has 1 MA's), (9, 63910), (14, 63877), (15, 63868),

Gene: Kiwot_91 Start: 64396, Stop: 64175, Start Num: 6
Candidate Starts for Kiwot_91:
(Start: 6 @64396 has 301 MA's), (Start: 7 @64387 has 1 MA's), (9, 64363), (14, 64330), (15, 64321),

Gene: KlimbOn_90 Start: 64249, Stop: 64028, Start Num: 6
Candidate Starts for KlimbOn_90:
(Start: 6 @64249 has 301 MA's), (Start: 7 @64240 has 1 MA's), (9, 64216), (14, 64183), (15, 64174),

Gene: Kloppinator_91 Start: 64379, Stop: 64158, Start Num: 6
Candidate Starts for Kloppinator_91:
(Start: 6 @64379 has 301 MA's), (Start: 7 @64370 has 1 MA's), (9, 64346), (14, 64313), (15, 64304),

Gene: Knocker_82 Start: 65434, Stop: 65132, Start Num: 6
Candidate Starts for Knocker_82:
(1, 65572), (3, 65497), (5, 65467), (Start: 6 @65434 has 301 MA's), (10, 65401), (12, 65380), (13, 65374), (14, 65371), (17, 65332), (20, 65314), (26, 65230), (27, 65212), (31, 65182),

Gene: Kwadwo_90 Start: 64234, Stop: 64013, Start Num: 6
Candidate Starts for Kwadwo_90:
(Start: 6 @64234 has 301 MA's), (Start: 7 @64225 has 1 MA's), (9, 64201), (14, 64168), (15, 64159),

Gene: Kwksand96_92 Start: 64501, Stop: 64280, Start Num: 6
Candidate Starts for Kwksand96_92:
(Start: 6 @64501 has 301 MA's), (Start: 7 @64492 has 1 MA's), (9, 64468), (14, 64435), (15, 64426),

Gene: Labeouficaum_91 Start: 64314, Stop: 64093, Start Num: 6
Candidate Starts for Labeouficaum_91:
(Start: 6 @64314 has 301 MA's), (Start: 7 @64305 has 1 MA's), (9, 64281), (14, 64248), (15, 64239),

Gene: Larson_93 Start: 64578, Stop: 64357, Start Num: 6
Candidate Starts for Larson_93:

(Start: 6 @64578 has 301 MA's), (Start: 7 @64569 has 1 MA's), (9, 64545), (14, 64512), (15, 64503),

Gene: LasagnaCat_92 Start: 64616, Stop: 64395, Start Num: 6
Candidate Starts for LasagnaCat_92:
(Start: 6 @64616 has 301 MA's), (Start: 7 @64607 has 1 MA's), (9, 64583), (14, 64550), (15, 64541),

Gene: Lasso_90 Start: 64475, Stop: 64254, Start Num: 6
Candidate Starts for Lasso_90:
(Start: 6 @64475 has 301 MA's), (Start: 7 @64466 has 1 MA's), (9, 64442), (14, 64409), (15, 64400),

Gene: LeeLot_89 Start: 64819, Stop: 64598, Start Num: 6
Candidate Starts for LeeLot_89:
(Start: 6 @64819 has 301 MA's), (Start: 7 @64810 has 1 MA's), (9, 64786), (14, 64753), (15, 64744),

Gene: Lego3393_89 Start: 64936, Stop: 64715, Start Num: 6
Candidate Starts for Lego3393_89:
(Start: 6 @64936 has 301 MA's), (Start: 7 @64927 has 1 MA's), (9, 64903), (14, 64870), (15, 64861),

Gene: Legolas_92 Start: 64563, Stop: 64342, Start Num: 6
Candidate Starts for Legolas_92:
(Start: 6 @64563 has 301 MA's), (Start: 7 @64554 has 1 MA's), (9, 64530), (14, 64497), (15, 64488),

Gene: Lehmann_92 Start: 64826, Stop: 64605, Start Num: 6
Candidate Starts for Lehmann_92:
(Start: 6 @64826 has 301 MA's), (Start: 7 @64817 has 1 MA's), (9, 64793), (14, 64760), (15, 64751),

Gene: LeiMonet_94 Start: 64697, Stop: 64476, Start Num: 6
Candidate Starts for LeiMonet_94:
(Start: 6 @64697 has 301 MA's), (Start: 7 @64688 has 1 MA's), (9, 64664), (14, 64631), (15, 64622),

Gene: LemonSlice_91 Start: 64222, Stop: 64001, Start Num: 6
Candidate Starts for LemonSlice_91:
(Start: 6 @64222 has 301 MA's), (Start: 7 @64213 has 1 MA's), (9, 64189), (14, 64156), (15, 64147),

Gene: Leopard_100 Start: 66137, Stop: 66388, Start Num: 6
Candidate Starts for Leopard_100:
(4, 66089), (Start: 6 @66137 has 301 MA's), (Start: 7 @66146 has 1 MA's), (14, 66203), (16, 66215),
(17, 66233), (19, 66245),

Gene: LilMcDreamy_79 Start: 63285, Stop: 63025, Start Num: 8
Candidate Starts for LilMcDreamy_79:
(Start: 8 @63285 has 1 MA's), (17, 63210),

Gene: LittleMinkey_98 Start: 67143, Stop: 66892, Start Num: 6
Candidate Starts for LittleMinkey_98:
(Start: 6 @67143 has 301 MA's), (11, 67098), (15, 67068), (29, 66939), (30, 66936),

Gene: Longacauda_92 Start: 64716, Stop: 64495, Start Num: 6
Candidate Starts for Longacauda_92:
(Start: 6 @64716 has 301 MA's), (Start: 7 @64707 has 1 MA's), (9, 64683), (14, 64650), (15, 64641),

Gene: LostAndPhound_90 Start: 64764, Stop: 64543, Start Num: 6
Candidate Starts for LostAndPhound_90:

(Start: 6 @64764 has 301 MA's), (Start: 7 @64755 has 1 MA's), (9, 64731), (14, 64698), (15, 64689),

Gene: LuckyMarjie_88 Start: 63974, Stop: 63753, Start Num: 6
Candidate Starts for LuckyMarjie_88:
(Start: 6 @63974 has 301 MA's), (Start: 7 @63965 has 1 MA's), (9, 63941), (14, 63908), (15, 63899),

Gene: Lulumae_86 Start: 63955, Stop: 63734, Start Num: 6
Candidate Starts for Lulumae_86:
(Start: 6 @63955 has 301 MA's), (Start: 7 @63946 has 1 MA's), (9, 63922), (14, 63889), (15, 63880),

Gene: Lulwa_88 Start: 63588, Stop: 63367, Start Num: 6
Candidate Starts for Lulwa_88:
(Start: 6 @63588 has 301 MA's), (Start: 7 @63579 has 1 MA's), (9, 63555), (14, 63522), (15, 63513),

Gene: Lumine_92 Start: 64413, Stop: 64192, Start Num: 6
Candidate Starts for Lumine_92:
(Start: 6 @64413 has 301 MA's), (Start: 7 @64404 has 1 MA's), (9, 64380), (14, 64347), (15, 64338),

Gene: MRabcd_91 Start: 64690, Stop: 64469, Start Num: 6
Candidate Starts for MRabcd_91:
(Start: 6 @64690 has 301 MA's), (Start: 7 @64681 has 1 MA's), (9, 64657), (14, 64624), (15, 64615),

Gene: Mag7_89 Start: 64174, Stop: 63953, Start Num: 6
Candidate Starts for Mag7_89:
(Start: 6 @64174 has 301 MA's), (Start: 7 @64165 has 1 MA's), (9, 64141), (14, 64108), (15, 64099),

Gene: Magic8_90 Start: 64542, Stop: 64321, Start Num: 6
Candidate Starts for Magic8_90:
(Start: 6 @64542 has 301 MA's), (Start: 7 @64533 has 1 MA's), (9, 64509), (14, 64476), (15, 64467),

Gene: Mana_88 Start: 64378, Stop: 64157, Start Num: 6
Candidate Starts for Mana_88:
(Start: 6 @64378 has 301 MA's), (Start: 7 @64369 has 1 MA's), (9, 64345), (14, 64312), (15, 64303),

Gene: Manad_90 Start: 64488, Stop: 64267, Start Num: 6
Candidate Starts for Manad_90:
(Start: 6 @64488 has 301 MA's), (Start: 7 @64479 has 1 MA's), (9, 64455), (14, 64422), (15, 64413),

Gene: Maru_91 Start: 64826, Stop: 64605, Start Num: 6
Candidate Starts for Maru_91:
(Start: 6 @64826 has 301 MA's), (Start: 7 @64817 has 1 MA's), (9, 64793), (14, 64760), (15, 64751),

Gene: Maskar_92 Start: 64738, Stop: 64517, Start Num: 6
Candidate Starts for Maskar_92:
(Start: 6 @64738 has 301 MA's), (Start: 7 @64729 has 1 MA's), (9, 64705), (14, 64672), (15, 64663),

Gene: Matalotodo_89 Start: 65222, Stop: 65001, Start Num: 6
Candidate Starts for Matalotodo_89:
(Start: 6 @65222 has 301 MA's), (Start: 7 @65213 has 1 MA's), (9, 65189), (14, 65156), (15, 65147),

Gene: Mcshane_90 Start: 64236, Stop: 64015, Start Num: 6
Candidate Starts for Mcshane_90:
(Start: 6 @64236 has 301 MA's), (Start: 7 @64227 has 1 MA's), (9, 64203), (14, 64170), (15, 64161),

Gene: Mecca_91 Start: 64790, Stop: 64569, Start Num: 6
Candidate Starts for Mecca_91:
(Start: 6 @64790 has 301 MA's), (Start: 7 @64781 has 1 MA's), (9, 64757), (14, 64724), (15, 64715),

Gene: Megamind20_91 Start: 64200, Stop: 63979, Start Num: 6
Candidate Starts for Megamind20_91:
(Start: 6 @64200 has 301 MA's), (Start: 7 @64191 has 1 MA's), (9, 64167), (14, 64134), (15, 64125),

Gene: Megatron_92 Start: 64908, Stop: 64687, Start Num: 6
Candidate Starts for Megatron_92:
(Start: 6 @64908 has 301 MA's), (Start: 7 @64899 has 1 MA's), (9, 64875), (14, 64842), (15, 64833),

Gene: Melc17_88 Start: 64858, Stop: 64637, Start Num: 6
Candidate Starts for Melc17_88:
(Start: 6 @64858 has 301 MA's), (Start: 7 @64849 has 1 MA's), (9, 64825), (14, 64792), (15, 64783),

Gene: MelsMeow_90 Start: 64498, Stop: 64277, Start Num: 6
Candidate Starts for MelsMeow_90:
(Start: 6 @64498 has 301 MA's), (Start: 7 @64489 has 1 MA's), (9, 64465), (14, 64432), (15, 64423),

Gene: Mesh1_92 Start: 64951, Stop: 64730, Start Num: 6
Candidate Starts for Mesh1_92:
(Start: 6 @64951 has 301 MA's), (Start: 7 @64942 has 1 MA's), (9, 64918), (14, 64885), (15, 64876),

Gene: Mesmerelda_90 Start: 64789, Stop: 64568, Start Num: 6
Candidate Starts for Mesmerelda_90:
(Start: 6 @64789 has 301 MA's), (Start: 7 @64780 has 1 MA's), (9, 64756), (14, 64723), (15, 64714),

Gene: MichaelPhcott_89 Start: 64171, Stop: 63950, Start Num: 6
Candidate Starts for MichaelPhcott_89:
(Start: 6 @64171 has 301 MA's), (Start: 7 @64162 has 1 MA's), (9, 64138), (14, 64105), (15, 64096),

Gene: Mikota_86 Start: 63942, Stop: 63721, Start Num: 6
Candidate Starts for Mikota_86:
(Start: 6 @63942 has 301 MA's), (Start: 7 @63933 has 1 MA's), (9, 63909), (14, 63876), (15, 63867),

Gene: MiniBoss_87 Start: 63542, Stop: 63321, Start Num: 6
Candidate Starts for MiniBoss_87:
(Start: 6 @63542 has 301 MA's), (Start: 7 @63533 has 1 MA's), (9, 63509), (14, 63476), (15, 63467),

Gene: MitKao_91 Start: 64392, Stop: 64171, Start Num: 6
Candidate Starts for MitKao_91:
(Start: 6 @64392 has 301 MA's), (Start: 7 @64383 has 1 MA's), (9, 64359), (14, 64326), (15, 64317),

Gene: Morgushi_88 Start: 64206, Stop: 63985, Start Num: 6
Candidate Starts for Morgushi_88:
(Start: 6 @64206 has 301 MA's), (Start: 7 @64197 has 1 MA's), (9, 64173), (14, 64140), (15, 64131),

Gene: Morty_91 Start: 64778, Stop: 64557, Start Num: 6
Candidate Starts for Morty_91:
(Start: 6 @64778 has 301 MA's), (Start: 7 @64769 has 1 MA's), (9, 64745), (14, 64712), (15, 64703),

Gene: Mosaic_88 Start: 64388, Stop: 64167, Start Num: 6
Candidate Starts for Mosaic_88:
(Start: 6 @64388 has 301 MA's), (Start: 7 @64379 has 1 MA's), (9, 64355), (14, 64322), (15, 64313),

Gene: MrPhizzler_94 Start: 64686, Stop: 64465, Start Num: 6
Candidate Starts for MrPhizzler_94:
(Start: 6 @64686 has 301 MA's), (Start: 7 @64677 has 1 MA's), (14, 64620), (15, 64611),

Gene: Mulan_90 Start: 64420, Stop: 64199, Start Num: 6
Candidate Starts for Mulan_90:
(Start: 6 @64420 has 301 MA's), (Start: 7 @64411 has 1 MA's), (9, 64387), (14, 64354), (15, 64345),

Gene: Murdoc_87 Start: 64499, Stop: 64278, Start Num: 6
Candidate Starts for Murdoc_87:
(Start: 6 @64499 has 301 MA's), (Start: 7 @64490 has 1 MA's), (9, 64466), (14, 64433), (15, 64424),

Gene: Mutante_92 Start: 64393, Stop: 64172, Start Num: 6
Candidate Starts for Mutante_92:
(Start: 6 @64393 has 301 MA's), (Start: 7 @64384 has 1 MA's), (9, 64360), (14, 64327), (15, 64318),

Gene: Nacho_0093 Start: 65464, Stop: 65243, Start Num: 6
Candidate Starts for Nacho_0093:
(Start: 6 @65464 has 301 MA's), (Start: 7 @65455 has 1 MA's), (9, 65431), (14, 65398), (15, 65389),

Gene: Nathan_91 Start: 64919, Stop: 64698, Start Num: 6
Candidate Starts for Nathan_91:
(Start: 6 @64919 has 301 MA's), (Start: 7 @64910 has 1 MA's), (9, 64886), (14, 64853), (15, 64844),

Gene: Nehme_87 Start: 64582, Stop: 64361, Start Num: 6
Candidate Starts for Nehme_87:
(Start: 6 @64582 has 301 MA's), (Start: 7 @64573 has 1 MA's), (9, 64549), (14, 64516), (15, 64507),

Gene: Newman_87 Start: 64741, Stop: 64520, Start Num: 6
Candidate Starts for Newman_87:
(Start: 6 @64741 has 301 MA's), (Start: 7 @64732 has 1 MA's), (9, 64708), (14, 64675), (15, 64666),

Gene: NiaNia_92 Start: 64265, Stop: 64044, Start Num: 6
Candidate Starts for NiaNia_92:
(Start: 6 @64265 has 301 MA's), (Start: 7 @64256 has 1 MA's), (9, 64232), (14, 64199), (15, 64190),

Gene: Nicole21_92 Start: 64526, Stop: 64305, Start Num: 6
Candidate Starts for Nicole21_92:
(Start: 6 @64526 has 301 MA's), (Start: 7 @64517 has 1 MA's), (9, 64493), (14, 64460), (15, 64451),

Gene: Nova1_90 Start: 64372, Stop: 64151, Start Num: 6
Candidate Starts for Nova1_90:
(Start: 6 @64372 has 301 MA's), (Start: 7 @64363 has 1 MA's), (9, 64339), (14, 64306), (15, 64297),

Gene: Numberten_90 Start: 64508, Stop: 64287, Start Num: 6
Candidate Starts for Numberten_90:
(Start: 6 @64508 has 301 MA's), (Start: 7 @64499 has 1 MA's), (9, 64475), (14, 64442), (15, 64433),

Gene: Nyala_90 Start: 64242, Stop: 64021, Start Num: 6

Candidate Starts for Nyala_90:
(Start: 6 @64242 has 301 MA's), (Start: 7 @64233 has 1 MA's), (9, 64209), (14, 64176), (15, 64167),

Gene: OSmaximus_92 Start: 65073, Stop: 64852, Start Num: 6
Candidate Starts for OSmaximus_92:
(Start: 6 @65073 has 301 MA's), (Start: 7 @65064 has 1 MA's), (9, 65040), (14, 65007), (15, 64998),

Gene: Olak_90 Start: 64406, Stop: 64185, Start Num: 6
Candidate Starts for Olak_90:
(Start: 6 @64406 has 301 MA's), (Start: 7 @64397 has 1 MA's), (9, 64373), (14, 64340), (15, 64331),

Gene: Oline_90 Start: 64397, Stop: 64176, Start Num: 6
Candidate Starts for Oline_90:
(Start: 6 @64397 has 301 MA's), (Start: 7 @64388 has 1 MA's), (9, 64364), (14, 64331), (15, 64322),

Gene: Olive_87 Start: 64638, Stop: 64417, Start Num: 6
Candidate Starts for Olive_87:
(Start: 6 @64638 has 301 MA's), (Start: 7 @64629 has 1 MA's), (9, 64605), (14, 64572), (15, 64563),

Gene: OliverWalter_90 Start: 64693, Stop: 64472, Start Num: 6
Candidate Starts for OliverWalter_90:
(Start: 6 @64693 has 301 MA's), (Start: 7 @64684 has 1 MA's), (9, 64660), (14, 64627), (15, 64618),

Gene: Omniscient_92 Start: 65096, Stop: 64875, Start Num: 6
Candidate Starts for Omniscient_92:
(Start: 6 @65096 has 301 MA's), (Start: 7 @65087 has 1 MA's), (9, 65063), (14, 65030), (15, 65021),

Gene: OneBrain_93 Start: 64657, Stop: 64436, Start Num: 6
Candidate Starts for OneBrain_93:
(Start: 6 @64657 has 301 MA's), (Start: 7 @64648 has 1 MA's), (9, 64624), (14, 64591), (15, 64582),

Gene: Oosterbaan_91 Start: 64633, Stop: 64412, Start Num: 6
Candidate Starts for Oosterbaan_91:
(Start: 6 @64633 has 301 MA's), (Start: 7 @64624 has 1 MA's), (9, 64600), (14, 64567), (15, 64558),

Gene: Orfeu_90 Start: 64756, Stop: 64535, Start Num: 6
Candidate Starts for Orfeu_90:
(Start: 6 @64756 has 301 MA's), (Start: 7 @64747 has 1 MA's), (9, 64723), (14, 64690), (15, 64681),

Gene: Orion_89 Start: 64326, Stop: 64105, Start Num: 6
Candidate Starts for Orion_89:
(Start: 6 @64326 has 301 MA's), (Start: 7 @64317 has 1 MA's), (9, 64293), (14, 64260), (15, 64251),

Gene: Orwigg_90 Start: 64162, Stop: 63941, Start Num: 6
Candidate Starts for Orwigg_90:
(Start: 6 @64162 has 301 MA's), (Start: 7 @64153 has 1 MA's), (9, 64129), (14, 64096), (15, 64087),

Gene: PG1_89 Start: 64898, Stop: 64677, Start Num: 6
Candidate Starts for PG1_89:
(Start: 6 @64898 has 301 MA's), (Start: 7 @64889 has 1 MA's), (9, 64865), (14, 64832), (15, 64823),

Gene: Pacifista_90 Start: 64247, Stop: 64026, Start Num: 6
Candidate Starts for Pacifista_90:

(Start: 6 @64247 has 301 MA's), (Start: 7 @64238 has 1 MA's), (9, 64214), (14, 64181), (15, 64172),

Gene: PallasAthena_92 Start: 64228, Stop: 64007, Start Num: 6
Candidate Starts for PallasAthena_92:
(Start: 6 @64228 has 301 MA's), (Start: 7 @64219 has 1 MA's), (9, 64195), (14, 64162), (15, 64153),

Gene: Phamished_90 Start: 64414, Stop: 64193, Start Num: 6
Candidate Starts for Phamished_90:
(Start: 6 @64414 has 301 MA's), (Start: 7 @64405 has 1 MA's), (9, 64381), (14, 64348), (15, 64339),

Gene: Phareon_88 Start: 63939, Stop: 63718, Start Num: 6
Candidate Starts for Phareon_88:
(Start: 6 @63939 has 301 MA's), (Start: 7 @63930 has 1 MA's), (9, 63906), (14, 63873), (15, 63864),

Gene: PhatCats2014_90 Start: 64898, Stop: 64677, Start Num: 6
Candidate Starts for PhatCats2014_90:
(Start: 6 @64898 has 301 MA's), (Start: 7 @64889 has 1 MA's), (9, 64865), (14, 64832), (15, 64823),

Gene: PhatLouie_93 Start: 64772, Stop: 64551, Start Num: 6
Candidate Starts for PhatLouie_93:
(Start: 6 @64772 has 301 MA's), (Start: 7 @64763 has 1 MA's), (9, 64739), (14, 64706), (15, 64697),

Gene: PhenghisKhan_91 Start: 64403, Stop: 64182, Start Num: 6
Candidate Starts for PhenghisKhan_91:
(Start: 6 @64403 has 301 MA's), (Start: 7 @64394 has 1 MA's), (9, 64370), (14, 64337), (15, 64328),

Gene: Pherdinand_92 Start: 64618, Stop: 64397, Start Num: 6
Candidate Starts for Pherdinand_92:
(Start: 6 @64618 has 301 MA's), (Start: 7 @64609 has 1 MA's), (9, 64585), (14, 64552), (15, 64543),

Gene: Phergie_91 Start: 64392, Stop: 64171, Start Num: 6
Candidate Starts for Phergie_91:
(Start: 6 @64392 has 301 MA's), (Start: 7 @64383 has 1 MA's), (9, 64359), (14, 64326), (15, 64317),

Gene: Phipps_89 Start: 64470, Stop: 64249, Start Num: 6
Candidate Starts for Phipps_89:
(Start: 6 @64470 has 301 MA's), (Start: 7 @64461 has 1 MA's), (9, 64437), (14, 64404), (15, 64395),

Gene: Phleuron_88 Start: 64204, Stop: 63983, Start Num: 6
Candidate Starts for Phleuron_88:
(Start: 6 @64204 has 301 MA's), (Start: 7 @64195 has 1 MA's), (9, 64171), (14, 64138), (15, 64129),

Gene: PhrankReynolds_89 Start: 64397, Stop: 64176, Start Num: 6
Candidate Starts for PhrankReynolds_89:
(Start: 6 @64397 has 301 MA's), (Start: 7 @64388 has 1 MA's), (9, 64364), (14, 64331), (15, 64322),

Gene: PhrodoBaggins_93 Start: 64773, Stop: 64552, Start Num: 6
Candidate Starts for PhrodoBaggins_93:
(Start: 6 @64773 has 301 MA's), (Start: 7 @64764 has 1 MA's), (9, 64740), (14, 64707), (15, 64698),

Gene: Phunky_88 Start: 64276, Stop: 64055, Start Num: 6
Candidate Starts for Phunky_88:
(Start: 6 @64276 has 301 MA's), (Start: 7 @64267 has 1 MA's), (9, 64243), (14, 64210), (15, 64201),

Gene: Piglet_0090 Start: 64892, Stop: 64671, Start Num: 6
Candidate Starts for Piglet_0090:
(Start: 6 @64892 has 301 MA's), (Start: 7 @64883 has 1 MA's), (9, 64859), (14, 64826), (15, 64817),

Gene: PinheadLarry_90 Start: 64543, Stop: 64322, Start Num: 6
Candidate Starts for PinheadLarry_90:
(Start: 6 @64543 has 301 MA's), (Start: 7 @64534 has 1 MA's), (9, 64510), (14, 64477), (15, 64468),

Gene: Pinkman_90 Start: 64616, Stop: 64395, Start Num: 6
Candidate Starts for Pinkman_90:
(Start: 6 @64616 has 301 MA's), (Start: 7 @64607 has 1 MA's), (9, 64583), (14, 64550), (15, 64541),

Gene: Pipsqueak_88 Start: 64229, Stop: 64008, Start Num: 6
Candidate Starts for Pipsqueak_88:
(Start: 6 @64229 has 301 MA's), (Start: 7 @64220 has 1 MA's), (9, 64196), (14, 64163), (15, 64154),

Gene: Placalicious_89 Start: 65262, Stop: 65041, Start Num: 6
Candidate Starts for Placalicious_89:
(Start: 6 @65262 has 301 MA's), (Start: 7 @65253 has 1 MA's), (9, 65229), (14, 65196), (15, 65187),

Gene: Plata_90 Start: 64484, Stop: 64263, Start Num: 6
Candidate Starts for Plata_90:
(Start: 6 @64484 has 301 MA's), (Start: 7 @64475 has 1 MA's), (9, 64451), (14, 64418), (15, 64409),

Gene: Plmatters_88 Start: 64217, Stop: 63996, Start Num: 6
Candidate Starts for Plmatters_88:
(Start: 6 @64217 has 301 MA's), (Start: 7 @64208 has 1 MA's), (9, 64184), (14, 64151), (15, 64142),

Gene: Podrick_89 Start: 64305, Stop: 64084, Start Num: 6
Candidate Starts for Podrick_89:
(Start: 6 @64305 has 301 MA's), (Start: 7 @64296 has 1 MA's), (9, 64272), (14, 64239), (15, 64230),

Gene: Pops_88 Start: 64407, Stop: 64186, Start Num: 6
Candidate Starts for Pops_88:
(Start: 6 @64407 has 301 MA's), (Start: 7 @64398 has 1 MA's), (9, 64374), (14, 64341), (15, 64332),

Gene: Potter_85 Start: 64226, Stop: 64005, Start Num: 6
Candidate Starts for Potter_85:
(Start: 6 @64226 has 301 MA's), (Start: 7 @64217 has 1 MA's), (9, 64193), (14, 64160), (15, 64151),

Gene: Prickles_92 Start: 64595, Stop: 64374, Start Num: 6
Candidate Starts for Prickles_92:
(Start: 6 @64595 has 301 MA's), (Start: 7 @64586 has 1 MA's), (9, 64562), (14, 64529), (15, 64520),

Gene: ProfessorX_89 Start: 64263, Stop: 64042, Start Num: 6
Candidate Starts for ProfessorX_89:
(Start: 6 @64263 has 301 MA's), (Start: 7 @64254 has 1 MA's), (9, 64230), (14, 64197), (15, 64188),

Gene: Puhltonio_87 Start: 64500, Stop: 64279, Start Num: 6
Candidate Starts for Puhltonio_87:
(Start: 6 @64500 has 301 MA's), (Start: 7 @64491 has 1 MA's), (9, 64467), (14, 64434), (15, 64425),

Gene: QueenBeane_91 Start: 64549, Stop: 64328, Start Num: 6
Candidate Starts for QueenBeane_91:
(Start: 6 @64549 has 301 MA's), (Start: 7 @64540 has 1 MA's), (9, 64516), (14, 64483), (15, 64474),

Gene: Quisquiliae_93 Start: 64560, Stop: 64339, Start Num: 6
Candidate Starts for Quisquiliae_93:
(Start: 6 @64560 has 301 MA's), (Start: 7 @64551 has 1 MA's), (9, 64527), (14, 64494), (15, 64485),

Gene: RedMaple_90 Start: 65163, Stop: 64942, Start Num: 6
Candidate Starts for RedMaple_90:
(Start: 6 @65163 has 301 MA's), (Start: 7 @65154 has 1 MA's), (9, 65130), (14, 65097), (15, 65088),

Gene: RedRaider89_90 Start: 64849, Stop: 64628, Start Num: 6
Candidate Starts for RedRaider89_90:
(Start: 6 @64849 has 301 MA's), (Start: 7 @64840 has 1 MA's), (9, 64816), (14, 64783), (15, 64774),

Gene: Ricotta_91 Start: 64245, Stop: 64024, Start Num: 6
Candidate Starts for Ricotta_91:
(Start: 6 @64245 has 301 MA's), (Start: 7 @64236 has 1 MA's), (9, 64212), (14, 64179), (15, 64170),

Gene: Riggan_92 Start: 64730, Stop: 64509, Start Num: 6
Candidate Starts for Riggan_92:
(Start: 6 @64730 has 301 MA's), (Start: 7 @64721 has 1 MA's), (9, 64697), (14, 64664), (15, 64655),

Gene: Rimu_89 Start: 64709, Stop: 64488, Start Num: 6
Candidate Starts for Rimu_89:
(Start: 6 @64709 has 301 MA's), (Start: 7 @64700 has 1 MA's), (14, 64643), (15, 64634),

Gene: Rinkes_80 Start: 64444, Stop: 64160, Start Num: 6
Candidate Starts for Rinkes_80:
(Start: 6 @64444 has 301 MA's), (15, 64366), (18, 64336), (21, 64309), (25, 64249), (28, 64228),

Gene: Riverton_90 Start: 64480, Stop: 64268, Start Num: 7
Candidate Starts for Riverton_90:
(Start: 6 @64489 has 301 MA's), (Start: 7 @64480 has 1 MA's), (9, 64456), (14, 64423), (15, 64414),

Gene: Robyn_93 Start: 64997, Stop: 64755, Start Num: 6
Candidate Starts for Robyn_93:
(Start: 6 @64997 has 301 MA's), (Start: 7 @64988 has 1 MA's), (9, 64964), (14, 64931), (15, 64922), (22, 64850),

Gene: Roliet_88 Start: 63590, Stop: 63369, Start Num: 6
Candidate Starts for Roliet_88:
(Start: 6 @63590 has 301 MA's), (Start: 7 @63581 has 1 MA's), (9, 63557), (14, 63524), (15, 63515),

Gene: Roscoe_90 Start: 64850, Stop: 64629, Start Num: 6
Candidate Starts for Roscoe_90:
(Start: 6 @64850 has 301 MA's), (Start: 7 @64841 has 1 MA's), (9, 64817), (14, 64784), (15, 64775),

Gene: Roy17_88 Start: 63955, Stop: 63734, Start Num: 6
Candidate Starts for Roy17_88:
(Start: 6 @63955 has 301 MA's), (Start: 7 @63946 has 1 MA's), (9, 63922), (14, 63889), (15, 63880),

Gene: SDcharge11_90 Start: 63883, Stop: 63662, Start Num: 6
Candidate Starts for SDcharge11_90:
(Start: 6 @63883 has 301 MA's), (Start: 7 @63874 has 1 MA's), (9, 63850), (14, 63817), (15, 63808),

Gene: Salazzle_89 Start: 64409, Stop: 64188, Start Num: 6
Candidate Starts for Salazzle_89:
(Start: 6 @64409 has 301 MA's), (Start: 7 @64400 has 1 MA's), (9, 64376), (14, 64343), (15, 64334),

Gene: SallyH_94 Start: 64480, Stop: 64268, Start Num: 7
Candidate Starts for SallyH_94:
(Start: 6 @64489 has 301 MA's), (Start: 7 @64480 has 1 MA's), (9, 64456), (14, 64423), (15, 64414),

Gene: Samaymay_91 Start: 64549, Stop: 64328, Start Num: 6
Candidate Starts for Samaymay_91:
(Start: 6 @64549 has 301 MA's), (Start: 7 @64540 has 1 MA's), (9, 64516), (14, 64483), (15, 64474),

Gene: SassyCat97_89 Start: 64217, Stop: 63996, Start Num: 6
Candidate Starts for SassyCat97_89:
(Start: 6 @64217 has 301 MA's), (Start: 7 @64208 has 1 MA's), (9, 64184), (14, 64151), (15, 64142),

Gene: Schueller_89 Start: 64491, Stop: 64270, Start Num: 6
Candidate Starts for Schueller_89:
(Start: 6 @64491 has 301 MA's), (Start: 7 @64482 has 1 MA's), (9, 64458), (14, 64425), (15, 64416),

Gene: Scoot17C_91 Start: 64330, Stop: 64109, Start Num: 6
Candidate Starts for Scoot17C_91:
(Start: 6 @64330 has 301 MA's), (Start: 7 @64321 has 1 MA's), (9, 64297), (14, 64264), (15, 64255),

Gene: Scrick_90 Start: 64231, Stop: 64010, Start Num: 6
Candidate Starts for Scrick_90:
(Start: 6 @64231 has 301 MA's), (Start: 7 @64222 has 1 MA's), (9, 64198), (14, 64165), (15, 64156),

Gene: Selr12_92 Start: 64272, Stop: 64051, Start Num: 6
Candidate Starts for Selr12_92:
(Start: 6 @64272 has 301 MA's), (Start: 7 @64263 has 1 MA's), (9, 64239), (14, 64206), (15, 64197),

Gene: Septica_92 Start: 64697, Stop: 64476, Start Num: 6
Candidate Starts for Septica_92:
(Start: 6 @64697 has 301 MA's), (Start: 7 @64688 has 1 MA's), (9, 64664), (14, 64631), (15, 64622),

Gene: Serendipity_90 Start: 64703, Stop: 64482, Start Num: 6
Candidate Starts for Serendipity_90:
(Start: 6 @64703 has 301 MA's), (Start: 7 @64694 has 1 MA's), (9, 64670), (14, 64637), (15, 64628),

Gene: Serpentine_0092 Start: 64784, Stop: 64563, Start Num: 6
Candidate Starts for Serpentine_0092:
(Start: 6 @64784 has 301 MA's), (Start: 7 @64775 has 1 MA's), (9, 64751), (14, 64718), (15, 64709),

Gene: ShadowBud_91 Start: 64557, Stop: 64336, Start Num: 6
Candidate Starts for ShadowBud_91:
(Start: 6 @64557 has 301 MA's), (Start: 7 @64548 has 1 MA's), (9, 64524), (14, 64491), (15, 64482),

Gene: Sheila_85 Start: 63796, Stop: 63575, Start Num: 6

Candidate Starts for Sheila_85:
(Start: 6 @63796 has 301 MA's), (Start: 7 @63787 has 1 MA's), (9, 63763), (14, 63730), (15, 63721),

Gene: ShiVal_89 Start: 64254, Stop: 64033, Start Num: 6
Candidate Starts for ShiVal_89:
(Start: 6 @64254 has 301 MA's), (Start: 7 @64245 has 1 MA's), (9, 64221), (14, 64188), (15, 64179),

Gene: Sigman_90 Start: 64211, Stop: 63990, Start Num: 6
Candidate Starts for Sigman_90:
(Start: 6 @64211 has 301 MA's), (Start: 7 @64202 has 1 MA's), (9, 64178), (14, 64145), (15, 64136),

Gene: SilverBell_92 Start: 64664, Stop: 64443, Start Num: 6
Candidate Starts for SilverBell_92:
(Start: 6 @64664 has 301 MA's), (Start: 7 @64655 has 1 MA's), (9, 64631), (14, 64598), (15, 64589),

Gene: Simielle_90 Start: 64196, Stop: 63975, Start Num: 6
Candidate Starts for Simielle_90:
(Start: 6 @64196 has 301 MA's), (Start: 7 @64187 has 1 MA's), (9, 64163), (14, 64130), (15, 64121),

Gene: SirBeauregard_92 Start: 64777, Stop: 64556, Start Num: 6
Candidate Starts for SirBeauregard_92:
(Start: 6 @64777 has 301 MA's), (Start: 7 @64768 has 1 MA's), (9, 64744), (14, 64711), (15, 64702),

Gene: Skippy_91 Start: 64625, Stop: 64404, Start Num: 6
Candidate Starts for Skippy_91:
(Start: 6 @64625 has 301 MA's), (Start: 7 @64616 has 1 MA's), (9, 64592), (14, 64559), (15, 64550),

Gene: Slatt_91 Start: 64512, Stop: 64291, Start Num: 6
Candidate Starts for Slatt_91:
(Start: 6 @64512 has 301 MA's), (Start: 7 @64503 has 1 MA's), (9, 64479), (14, 64446), (15, 64437),

Gene: Soile_92 Start: 64750, Stop: 64529, Start Num: 6
Candidate Starts for Soile_92:
(Start: 6 @64750 has 301 MA's), (Start: 7 @64741 has 1 MA's), (9, 64717), (14, 64684), (15, 64675),

Gene: Solosis_89 Start: 64218, Stop: 63997, Start Num: 6
Candidate Starts for Solosis_89:
(Start: 6 @64218 has 301 MA's), (Start: 7 @64209 has 1 MA's), (9, 64185), (14, 64152), (15, 64143),

Gene: Sophia_89 Start: 64206, Stop: 63985, Start Num: 6
Candidate Starts for Sophia_89:
(Start: 6 @64206 has 301 MA's), (Start: 7 @64197 has 1 MA's), (9, 64173), (14, 64140), (15, 64131),

Gene: Soto_88 Start: 63923, Stop: 63702, Start Num: 6
Candidate Starts for Soto_88:
(Start: 6 @63923 has 301 MA's), (Start: 7 @63914 has 1 MA's), (9, 63890), (14, 63857), (15, 63848),

Gene: Spartan300_90 Start: 64468, Stop: 64247, Start Num: 6
Candidate Starts for Spartan300_90:
(Start: 6 @64468 has 301 MA's), (Start: 7 @64459 has 1 MA's), (9, 64435), (14, 64402), (15, 64393),

Gene: Squid_90 Start: 64497, Stop: 64276, Start Num: 6
Candidate Starts for Squid_90:

(Start: 6 @64497 has 301 MA's), (Start: 7 @64488 has 1 MA's), (9, 64464), (14, 64431), (15, 64422),

Gene: Squiggle_90 Start: 64225, Stop: 64004, Start Num: 6
Candidate Starts for Squiggle_90:
(Start: 6 @64225 has 301 MA's), (Start: 7 @64216 has 1 MA's), (9, 64192), (14, 64159), (15, 64150),

Gene: Struggle_91 Start: 64323, Stop: 64102, Start Num: 6
Candidate Starts for Struggle_91:
(Start: 6 @64323 has 301 MA's), (Start: 7 @64314 has 1 MA's), (9, 64290), (14, 64257), (15, 64248),

Gene: Surely_91 Start: 64788, Stop: 64567, Start Num: 6
Candidate Starts for Surely_91:
(Start: 6 @64788 has 301 MA's), (Start: 7 @64779 has 1 MA's), (9, 64755), (14, 64722), (15, 64713),

Gene: Swiphy_93 Start: 64772, Stop: 64551, Start Num: 6
Candidate Starts for Swiphy_93:
(Start: 6 @64772 has 301 MA's), (Start: 7 @64763 has 1 MA's), (9, 64739), (14, 64706), (15, 64697),

Gene: Swish_92 Start: 64634, Stop: 64413, Start Num: 6
Candidate Starts for Swish_92:
(Start: 6 @64634 has 301 MA's), (Start: 7 @64625 has 1 MA's), (9, 64601), (14, 64568), (15, 64559),

Gene: TallGrassMM_90 Start: 64283, Stop: 64062, Start Num: 6
Candidate Starts for TallGrassMM_90:
(Start: 6 @64283 has 301 MA's), (Start: 7 @64274 has 1 MA's), (9, 64250), (14, 64217), (15, 64208),

Gene: Taraxa_91 Start: 64114, Stop: 63893, Start Num: 6
Candidate Starts for Taraxa_91:
(Start: 6 @64114 has 301 MA's), (Start: 7 @64105 has 1 MA's), (9, 64081), (14, 64048), (15, 64039),

Gene: Telesworld_89 Start: 64360, Stop: 64139, Start Num: 6
Candidate Starts for Telesworld_89:
(Start: 6 @64360 has 301 MA's), (Start: 7 @64351 has 1 MA's), (9, 64327), (14, 64294), (15, 64285),

Gene: Thora_89 Start: 64737, Stop: 64516, Start Num: 6
Candidate Starts for Thora_89:
(Start: 6 @64737 has 301 MA's), (Start: 7 @64728 has 1 MA's), (9, 64704), (14, 64671), (15, 64662),

Gene: ThreeOh3D2_92 Start: 64891, Stop: 64670, Start Num: 6
Candidate Starts for ThreeOh3D2_92:
(Start: 6 @64891 has 301 MA's), (Start: 7 @64882 has 1 MA's), (9, 64858), (14, 64825), (15, 64816),

Gene: Thunderbird_91 Start: 64480, Stop: 64259, Start Num: 6
Candidate Starts for Thunderbird_91:
(Start: 6 @64480 has 301 MA's), (Start: 7 @64471 has 1 MA's), (9, 64447), (14, 64414), (15, 64405),

Gene: Timmi_89 Start: 64254, Stop: 64033, Start Num: 6
Candidate Starts for Timmi_89:
(Start: 6 @64254 has 301 MA's), (Start: 7 @64245 has 1 MA's), (9, 64221), (14, 64188), (15, 64179),

Gene: TomBombadil_91 Start: 64781, Stop: 64560, Start Num: 6
Candidate Starts for TomBombadil_91:
(Start: 6 @64781 has 301 MA's), (Start: 7 @64772 has 1 MA's), (9, 64748), (14, 64715), (15, 64706),

Gene: Tomlarah_91 Start: 65087, Stop: 64866, Start Num: 6
Candidate Starts for Tomlarah_91:
(Start: 6 @65087 has 301 MA's), (Start: 7 @65078 has 1 MA's), (9, 65054), (14, 65021), (15, 65012),

Gene: Toni_90 Start: 64683, Stop: 64462, Start Num: 6
Candidate Starts for Toni_90:
(Start: 6 @64683 has 301 MA's), (Start: 7 @64674 has 1 MA's), (9, 64650), (14, 64617), (15, 64608),

Gene: TooFast2Furius_90 Start: 64645, Stop: 64424, Start Num: 6
Candidate Starts for TooFast2Furius_90:
(Start: 6 @64645 has 301 MA's), (Start: 7 @64636 has 1 MA's), (9, 64612), (14, 64579), (15, 64570),

Gene: Tooj_88 Start: 63897, Stop: 63676, Start Num: 6
Candidate Starts for Tooj_88:
(Start: 6 @63897 has 301 MA's), (Start: 7 @63888 has 1 MA's), (9, 63864), (14, 63831), (15, 63822),

Gene: Triad_91 Start: 64131, Stop: 63910, Start Num: 6
Candidate Starts for Triad_91:
(Start: 6 @64131 has 301 MA's), (Start: 7 @64122 has 1 MA's), (9, 64098), (14, 64065), (15, 64056),

Gene: True_89 Start: 64230, Stop: 64009, Start Num: 6
Candidate Starts for True_89:
(Start: 6 @64230 has 301 MA's), (Start: 7 @64221 has 1 MA's), (9, 64197), (14, 64164), (15, 64155),

Gene: Trypo_91 Start: 64952, Stop: 64731, Start Num: 6
Candidate Starts for Trypo_91:
(Start: 6 @64952 has 301 MA's), (Start: 7 @64943 has 1 MA's), (9, 64919), (14, 64886), (15, 64877),

Gene: TyrionL_91 Start: 64314, Stop: 64093, Start Num: 6
Candidate Starts for TyrionL_91:
(Start: 6 @64314 has 301 MA's), (Start: 7 @64305 has 1 MA's), (9, 64281), (14, 64248), (15, 64239),

Gene: UAch1_92 Start: 64581, Stop: 64360, Start Num: 6
Candidate Starts for UAch1_92:
(Start: 6 @64581 has 301 MA's), (Start: 7 @64572 has 1 MA's), (9, 64548), (14, 64515), (15, 64506),

Gene: UncleHowie_87 Start: 63918, Stop: 63697, Start Num: 6
Candidate Starts for UncleHowie_87:
(Start: 6 @63918 has 301 MA's), (Start: 7 @63909 has 1 MA's), (9, 63885), (14, 63852), (15, 63843),

Gene: Usavi_91 Start: 65078, Stop: 64857, Start Num: 6
Candidate Starts for Usavi_91:
(Start: 6 @65078 has 301 MA's), (Start: 7 @65069 has 1 MA's), (9, 65045), (14, 65012), (15, 65003),

Gene: Vaishali24_92 Start: 64678, Stop: 64436, Start Num: 6
Candidate Starts for Vaishali24_92:
(Start: 6 @64678 has 301 MA's), (Start: 7 @64669 has 1 MA's), (9, 64645), (14, 64612), (15, 64603), (22, 64531),

Gene: Valjean_89 Start: 64472, Stop: 64251, Start Num: 6
Candidate Starts for Valjean_89:
(Start: 6 @64472 has 301 MA's), (Start: 7 @64463 has 1 MA's), (9, 64439), (14, 64406), (15, 64397),

Gene: Vaticameos_88 Start: 62787, Stop: 62566, Start Num: 6
Candidate Starts for Vaticameos_88:
(Start: 6 @62787 has 301 MA's), (Start: 7 @62778 has 1 MA's), (9, 62754), (14, 62721), (15, 62712),

Gene: Vectra_90 Start: 64371, Stop: 64150, Start Num: 6
Candidate Starts for Vectra_90:
(Start: 6 @64371 has 301 MA's), (Start: 7 @64362 has 1 MA's), (9, 64338), (14, 64305), (15, 64296),

Gene: Veritas_90 Start: 64395, Stop: 64174, Start Num: 6
Candidate Starts for Veritas_90:
(Start: 6 @64395 has 301 MA's), (Start: 7 @64386 has 1 MA's), (9, 64362), (14, 64329), (15, 64320),

Gene: Virapocalypse_92 Start: 64580, Stop: 64359, Start Num: 6
Candidate Starts for Virapocalypse_92:
(Start: 6 @64580 has 301 MA's), (Start: 7 @64571 has 1 MA's), (9, 64547), (14, 64514), (15, 64505),

Gene: Virgeve_89 Start: 64199, Stop: 63978, Start Num: 6
Candidate Starts for Virgeve_89:
(Start: 6 @64199 has 301 MA's), (Start: 7 @64190 has 1 MA's), (9, 64166), (14, 64133), (15, 64124),

Gene: Vista_90 Start: 64393, Stop: 64172, Start Num: 6
Candidate Starts for Vista_90:
(Start: 6 @64393 has 301 MA's), (Start: 7 @64384 has 1 MA's), (9, 64360), (14, 64327), (15, 64318),

Gene: Vivaldi_91 Start: 64659, Stop: 64438, Start Num: 6
Candidate Starts for Vivaldi_91:
(Start: 6 @64659 has 301 MA's), (Start: 7 @64650 has 1 MA's), (9, 64626), (14, 64593), (15, 64584),

Gene: Vortex_89 Start: 64500, Stop: 64279, Start Num: 6
Candidate Starts for Vortex_89:
(Start: 6 @64500 has 301 MA's), (Start: 7 @64491 has 1 MA's), (9, 64467), (14, 64434), (15, 64425),

Gene: Wallhey_92 Start: 64501, Stop: 64280, Start Num: 6
Candidate Starts for Wallhey_92:
(Start: 6 @64501 has 301 MA's), (Start: 7 @64492 has 1 MA's), (9, 64468), (14, 64435), (15, 64426),

Gene: Waterdiva_92 Start: 64767, Stop: 64546, Start Num: 6
Candidate Starts for Waterdiva_92:
(Start: 6 @64767 has 301 MA's), (Start: 7 @64758 has 1 MA's), (9, 64734), (14, 64701), (15, 64692),

Gene: Weher20_88 Start: 64838, Stop: 64617, Start Num: 6
Candidate Starts for Weher20_88:
(Start: 6 @64838 has 301 MA's), (Start: 7 @64829 has 1 MA's), (9, 64805), (14, 64772), (15, 64763),

Gene: Windsor_91 Start: 64783, Stop: 64562, Start Num: 6
Candidate Starts for Windsor_91:
(Start: 6 @64783 has 301 MA's), (Start: 7 @64774 has 1 MA's), (9, 64750), (14, 64717), (15, 64708),

Gene: Xavier_90 Start: 64392, Stop: 64171, Start Num: 6
Candidate Starts for Xavier_90:
(Start: 6 @64392 has 301 MA's), (Start: 7 @64383 has 1 MA's), (9, 64359), (14, 64326), (15, 64317),

Gene: Yoshand_92 Start: 64617, Stop: 64396, Start Num: 6
Candidate Starts for Yoshand_92:
(Start: 6 @64617 has 301 MA's), (Start: 7 @64608 has 1 MA's), (9, 64584), (14, 64551), (15, 64542),

Gene: YouGoGlencoco_91 Start: 64507, Stop: 64286, Start Num: 6
Candidate Starts for YouGoGlencoco_91:
(Start: 6 @64507 has 301 MA's), (Start: 7 @64498 has 1 MA's), (9, 64474), (14, 64441), (15, 64432),

Gene: Zaider_92 Start: 64882, Stop: 64661, Start Num: 6
Candidate Starts for Zaider_92:
(Start: 6 @64882 has 301 MA's), (Start: 7 @64873 has 1 MA's), (9, 64849), (14, 64816), (15, 64807),

Gene: Zelda_91 Start: 64838, Stop: 64617, Start Num: 6
Candidate Starts for Zelda_91:
(Start: 6 @64838 has 301 MA's), (Start: 7 @64829 has 1 MA's), (9, 64805), (14, 64772), (15, 64763),

Gene: Zenteno07_95 Start: 66788, Stop: 66540, Start Num: 6
Candidate Starts for Zenteno07_95:
(Start: 6 @66788 has 301 MA's), (15, 66713), (29, 66587), (30, 66584),

Gene: Zonia_91 Start: 64949, Stop: 64728, Start Num: 6
Candidate Starts for Zonia_91:
(Start: 6 @64949 has 301 MA's), (Start: 7 @64940 has 1 MA's), (9, 64916), (14, 64883), (15, 64874),