



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 192283 Report

This analysis was run 11/02/24 on database version 579.

Pham number 192283 has 275 members, 12 are drafts.

Phages represented in each track:

- Track 1 : Cosmolli16_88, IsaacEli_88, Iridoclysis_85, CharlieGBrown_84, TyrionL_86, Rimu_89, Wallhey_87, HenryJackson_86, BatteryCK_84, Anderson_88, Pinkman_85, PinheadLarry_85, Squiggle_85, Lumine_87, Longacauda_87, DonSanchon_82, Cannibal_87, DaddyDaniels_89, Numberten_85, Brilliant_89, Lulumae_82, Carthage_87, Placalicious_84, Gwilliam_86, Kikipoo_88, TallGrassMM_85, Harvey_83, Newman_83, Oline_85, Podrick_85, Struggle_86, TomBombadil_86, Chorkpop_87, Andre_88, Durga_88, Jiraiya_90, Sigman_85, Chah_88, Hocus_84, Quisquilliae_88, Dingo_83, HSavage_84, Doddsville_83, Etaye_85, Chaelin_87, Held_84, Labeouficaum_86, Boehler_84, Soto_83, Banjo_83, MitKao_86, Childish_86, Pheuron_83, Daffy_85, Robyn_88, Phamished_86, JacAttac_86, Frankicide_84, Derpp_85, Kwksand96_87, Inverness_84, Antonia_85, Orfeu_85, Matalotodo_84, FriarPreacher_83, LeeLot_84, Maskar_87, JDog_85, MelsMeow_85, Inchworm_87, EmpTee_85, Fringe_90, Vaishali24_87, Zonia_86, Thunderbird_86, Cher_86, Spartan300_85, Badfish_87, PhrodoBaggins_88, Hetaeria_86, LuckyMarjie_83, Mecca_86, SassyCat97_84, DuchessDung_83, Hertubise_85, Dione_84, Mcshane_85, Orwigg_86, Gareth_86, Manad_85, Plmatters_84, DirtJuice_86, Haimas_83, Phareon_84, Virapocalypse_87, Sheila_81, Emiris_88, Roscoe_86, Katniss_88, Basato_85, LeiMonet_88, Ricotta_86, Grand2040_84, Usavi_87, Squid_85, Pipsqueak_83, AltPhacts_84, Morgushi_83, KLucky39_84, Kahve_86, Suffolk_82, RedMaple_85, Vivaldi_86, Bluephacebaby_85, JakeO_87, ABU_84, Soile_87, Legolas_87, LemonSlice_86, Olive_83, Tooj_83, CheetO_83, Zaider_87, Melc17_83, Crownjwl_83, Slatt_86, Morty_87, KlimbOn_85, Phipps_84, Buckeye_85, Keitherie_89, Vaticameos_83, DoesntMatter_83, Skippy_86, Nacho_0088, MRabcd_86, Scrick_85, Roliet_83, PhenghisKhan_86, Eremos_84, KingTut_77, Freya_83, ImtiyazSitla_87, Mosaic_83, Pacifista_85, MrPhizzler_85, Horchata_82, HighStump_87, Veritas_85, Maru_86, Vortex_84, Charles1_87, PG1_84, Ashraf_87, Mutante_87, BlueHusk_87, MichaelPhcott_84, Roy17_83, GeneCoco_86, Mana_84, Magic8_85, Dati_83, DelRivs_84, Orion_84, Kimbrough_87, Swish_87, Burr_86, Gyarad_0085, Dice_85, Mag7_84, Piglet_0086, Potter_81, Surely_86, ProfessorX_84, Jillium_87, ThreeOh3D2_87, Solosis_84, Mikota_82, LasagnaCat_87, Windsor_86, Gophee_86, Hartsy_84, Serpentine_0087, Valjean_85, Duggie_86, Murdoc_82, PhrankReynolds_84, Jiminy_86, Megamind20_86, Craff_88, Schueller_85, Megatron_87, CampRoach_87, UAch1_87, Scoot17C_86, Xavier_85, Lulwa_83, Pops_83, PhatCats2014_85, Puhltonio_82, Schadenfreude_86, Serendipity_85, Chunky_85, Kailash_84, UncleHowie_82, True_84, Weher20_83, Timmi_85, JangoPhett_84, SDcharge11_85, Trypo_86, Mesh1_87, Phergie_86

- Track 2 : Virgeve_84, Samaymay_86, Altwerkus_84, SilverBell_87, Pherdinand_87, Aelin_85, Cornobble_84, Vista_85, Bishoperium_86, Nicole21_87, Lego3393_84, Hamish_83, Toni_85, OliverWalter_86, BlackStallion_85, Prickles_87, Olak_85, ShiVal_84, FluffyNinja_87, KingVeVeVe_84, Riggan_87, Omniscient_87, Tomlarah_87, Selr12_87, Beaglebox_83, Kwadwo_85, Adriana_86, Waterdiva_87, Zelda_86, Coletti_88, Fozzie_83, MiniBoss_82, Yoshand_87, Eugenia_88, Nyala_85, Lasso_85, Colbert_84, FugateOSU_86, Sophia_84, Haleema_85, Apizium_84, YouGoGlencoco_86, Phunky_84, Chute_86, LostAndPhound_85, Mulan_85, Fang_87, PhatLouie_88, Daka_88, OSmaximus_87, AbsoluteMadLad_84, Giraffe_86, QueenBeane_86, Cobra_86, Swiphy_90, Simielle_85, Kloppinator_86, CamL_86, Telesworld_84
- Track 3 : Oosterbaan_86, Thora_84
- Track 4 : Lopsy_82

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

The start number called the most often in the published annotations is 5, it was called in 262 of the 263 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_84, AbsoluteMadLad_84, Adriana_86, Aelin_85, AltPhacts_84, Altwerkus_84, Anderson_88, Andre_88, Antonia_85, Apizium_84, Ashraf_87, Badfish_87, Banjo_83, Basato_85, BatteryCK_84, Beaglebox_83, Bishoperium_86, BlackStallion_85, BlueHusk_87, Bluephacebaby_85, Bohler_84, Brilliant_89, Buckeye_85, Burr_86, CamL_86, CampRoach_87, Cannibal_87, Carthage_87, Chaelin_87, Chah_88, Charles1_87, CharlieGBrown_84, CheetO_83, Cher_86, Childish_86, Chorkpop_87, Chunky_85, Chute_86, Cobra_86, Colbert_84, Coletti_88, Cornobble_84, Cosmolli16_88, Craff_88, Crownjwl_83, DaddyDaniels_89, Daffy_85, Daka_88, Dati_83, DelRivs_84, Derpp_85, Dice_85, Dingo_83, Dione_84, DirtJuice_86, Doddsville_83, DoesntMatter_83, DonSanchon_82, DuchessDung_83, Duggie_86, Durga_88, Emiris_88, EmpTee_85, Eremos_84, Etaye_85, Eugenia_88, Fang_87, FluffyNinja_87, Fozzie_83, Frankicide_84, Freya_83, FriarPreacher_83, Fringe_90, FugateOSU_86, Gareth_86, GeneCoco_86, Giraffe_86, Gophee_86, Grand2040_84, Gwilliam_86, Gyarad_0085, HSavage_84, Haimas_83, Haleema_85, Hamish_83, Hartsy_84, Harvey_83, Held_84, HenryJackson_86, Hertubise_85, Hetaeria_86, HighStump_87, Hocus_84, Horchata_82, ImtiyazSitla_87, Inchworm_87, Inverness_84, Iridoclysis_85, IsaacEli_88, JDog_85, JacAttac_86, JakeO_87, JangoPhett_84, Jillium_87, Jiminy_86, Jiraiya_90, KLucky39_84, Kahve_86, Kailash_84, Katniss_88, Keitherie_89, Kikipoo_88, Kimbrough_87, KingTut_77, KingVeVeVe_84, KlimbOn_85, Kloppinator_86, Kwadwo_85, Kwksand96_87, Labeouficaum_86, LasagnaCat_87, Lasso_85, LeeLot_84, Lego3393_84, Legolas_87, LeiMonet_88, LemonSlice_86, Longacauda_87, LostAndPhound_85, LuckyMarjie_83, Lulumae_82, Lulwa_83, Lumine_87, MRabcd_86, Mag7_84, Magic8_85, Mana_84, Manad_85, Maru_86, Maskar_87, Matalotodo_84, Mcshane_85, Mecca_86, Megamind20_86, Megatron_87, Melc17_83, MelsMeow_85, Mesh1_87, MichaelPhcott_84, Mikota_82, MiniBoss_82, MitKao_86, Morgushi_83, Morty_87, Mosaic_83, MrPhizzler_85, Mulan_85, Murdoc_82, Mutante_87, Nacho_0088, Newman_83, Nicole21_87, Numberten_85, Nyala_85, OSmaximus_87, Olak_85, Oline_85, Olive_83, OliverWalter_86, Omniscient_87, Oosterbaan_86, Orfeu_85, Orion_84, Orwig_86, PG1_84, Pacifista_85,

Phamished_86, Phareon_84, PhatCats2014_85, PhatLouie_88, PhenghisKhan_86, Pherdinand_87, Phergie_86, Phipps_84, Phleuron_83, PhrankReynolds_84, PhrodoBaggins_88, Phunky_84, Piglet_0086, PinheadLarry_85, Pinkman_85, Pipsqueak_83, Placalicious_84, Plmatters_84, Podrick_85, Pops_83, Potter_81, Prickles_87, ProfessorX_84, Puhltonio_82, QueenBeane_86, Quisquilliae_88, RedMaple_85, Ricotta_86, Riggan_87, Rimu_89, Robyn_88, Roliet_83, Roscoe_86, Roy17_83, SDcharge11_85, Samaymay_86, SassyCat97_84, Schadenfreude_86, Schueller_85, Scoot17C_86, Scrick_85, Selr12_87, Serendipity_85, Serpentine_0087, Sheila_81, ShiVal_84, Sigman_85, SilverBell_87, Simielle_85, Skippy_86, Slatt_86, Soile_87, Solosis_84, Sophia_84, Soto_83, Spartan300_85, Squid_85, Squiggle_85, Struggle_86, Suffolk_82, Surely_86, Swiphy_90, Swish_87, TallGrassMM_85, Telesworld_84, Thora_84, ThreeOh3D2_87, Thunderbird_86, Timmi_85, TomBombadil_86, Tomlarah_87, Toni_85, Tooj_83, True_84, Trypo_86, TyrionL_86, UAch1_87, UncleHowie_82, Usavi_87, Vaishali24_87, Valjean_85, Vaticameos_83, Veritas_85, Virapocalypse_87, Virgeve_84, Vista_85, Vivaldi_86, Vortex_84, Wallhey_87, Waterdiva_87, Weher20_83, Windsor_86, Xavier_85, Yoshand_87, YouGoGlencoco_86, Zaider_87, Zelda_86, Zonia_86,

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

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

- Lopsy_82,

Summary by start number:

Start 3:

- Found in 1 of 275 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 263
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lopsy_82 (B1),

Start 5:

- Found in 274 of 275 (99.6%) of genes in pham
- Manual Annotations of this start: 262 of 263
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ABU_84 (B1), AbsoluteMadLad_84 (B1), Adriana_86 (B1), Aelin_85 (B1), AltPhacts_84 (B1), Altwerkus_84 (B1), Anderson_88 (B1), Andre_88 (B1), Antonia_85 (B1), Apizium_84 (B1), Ashraf_87 (B1), Badfish_87 (B1), Banjo_83 (B1), Basato_85 (B1), BatteryCK_84 (B1), Beaglebox_83 (B1), Bishoperium_86 (B1), BlackStallion_85 (B1), BlueHusk_87 (B1), Bluephacebaby_85 (B1), Boehler_84 (B1), Brilliant_89 (B1), Buckeye_85 (B1), Burr_86 (B1), CamL_86 (B1), CampRoach_87 (B1), Cannibal_87 (B1), Carthage_87 (B1), Chaelin_87 (B1), Chah_88 (B1), Charles1_87 (B1), CharlieGBrown_84 (B1), CheetO_83 (B1), Cher_86 (B1), Childish_86 (B1), Chorkpop_87 (B1), Chunky_85 (B1), Chute_86 (B1), Cobra_86 (B1), Colbert_84 (B1), Coletti_88 (B1), Cornobble_84 (B1), Cosmolli16_88 (B1), Craff_88 (B1), Crownjwl_83 (B1), DaddyDaniels_89 (B1), Daffy_85 (B1), Daka_88 (B1), Dati_83 (B1), DelRivs_84 (B1), Derpp_85 (B1), Dice_85 (B1), Dingo_83 (B1), Dione_84 (B1), DirtJuice_86 (B1), Doddsville_83 (B1), DoesntMatter_83 (B1), DonSanchon_82 (B1), DuchessDung_83 (B1), Duggie_86 (B1), Durga_88 (B1), Emiris_88 (B1), EmpTee_85 (B1), Eremos_84 (B1), Etaye_85 (B1), Eugenia_88 (B1), Fang_87 (B1), FluffyNinja_87 (B1), Fozzie_83 (B1), Frankicide_84 (B1), Freya_83 (B1), FriarPreacher_83 (B1), Fringe_90 (B1),

FugateOSU_86 (B1), Gareth_86 (B1), GeneCoco_86 (B1), Giraffe_86 (B1), Gophe_86 (B1), Grand2040_84 (B1), Gwilliam_86 (B1), Gyarad_0085 (B1), HSavage_84 (B1), Haimas_83 (B1), Haleema_85 (B1), Hamish_83 (B1), Hartsy_84 (B1), Harvey_83 (B1), Held_84 (B1), HenryJackson_86 (B1), Hertubise_85 (B1), Hetaeria_86 (B1), HighStump_87 (B1), Hocus_84 (B1), Horchata_82 (B1), ImtiyazSitla_87 (B1), Inchworm_87 (B1), Inverness_84 (B1), Iridoclysis_85 (B1), IsaacEli_88 (B1), JDog_85 (B1), JacAttac_86 (B1), JakeO_87 (B1), JangoPhett_84 (B1), Jillium_87 (B1), Jiminy_86 (B1), Jiraiya_90 (B1), KLucky39_84 (B1), Kahve_86 (B1), Kailash_84 (B1), Katniss_88 (B1), Keitherie_89 (B1), Kikipoo_88 (B1), Kimbrough_87 (B1), KingTut_77 (B1), KingVeVeVe_84 (B1), KlimbOn_85 (B1), Kloppinator_86 (B1), Kwadwo_85 (B1), Kwksand96_87 (B1), Labeouficaum_86 (B1), LasagnaCat_87 (B1), Lasso_85 (B1), LeeLot_84 (B1), Lego3393_84 (B1), Legolas_87 (B1), LeiMonet_88 (B1), LemonSlice_86 (B1), Longacauda_87 (B1), LostAndPhound_85 (B1), LuckyMarjie_83 (B1), Lulumae_82 (B1), Lulwa_83 (B1), Lumine_87 (B1), MRabcd_86 (B1), Mag7_84 (B1), Magic8_85 (B1), Mana_84 (B1), Manad_85 (B1), Maru_86 (B1), Maskar_87 (B1), Matalotodo_84 (B1), Mcshane_85 (B1), Mecca_86 (B1), Megamind20_86 (B1), Megatron_87 (B1), Melc17_83 (B1), MelsMeow_85 (B1), Mesh1_87 (B1), MichaelPhcott_84 (B1), Mikota_82 (B1), MiniBoss_82 (B1), MitKao_86 (B1), Morgushi_83 (B1), Morty_87 (B1), Mosaic_83 (B1), MrPhizzler_85 (B1), Mulan_85 (B1), Murdoc_82 (B1), Mutante_87 (B1), Nacho_0088 (B1), Newman_83 (B1), Nicole21_87 (B1), Numberten_85 (B1), Nyala_85 (B1), OSmaximus_87 (B1), Olak_85 (B1), Oline_85 (B1), Olive_83 (B1), OliverWalter_86 (B1), Omniscient_87 (B1), Oosterbaan_86 (B1), Orfeu_85 (B1), Orion_84 (B1), Orwigg_86 (B1), PG1_84 (B1), Pacifista_85 (B1), Phamished_86 (B1), Phareon_84 (B1), PhatCats2014_85 (B1), PhatLouie_88 (B1), PhenghisKhan_86 (B1), Pherdinand_87 (B1), Phergie_86 (B1), Phipps_84 (B1), Phleuron_83 (B1), PhrankReynolds_84 (B1), PhrodoBaggins_88 (B1), Phunky_84 (B1), Piglet_0086 (B1), PinheadLarry_85 (B1), Pinkman_85 (B1), Pipsqueak_83 (B1), Placalicious_84 (B1), Plmatters_84 (B1), Podrick_85 (B1), Pops_83 (B1), Potter_81 (B1), Prickles_87 (B1), ProfessorX_84 (B1), Puhltonio_82 (B1), QueenBeane_86 (B1), Quisquilliae_88 (B1), RedMaple_85 (B1), Ricotta_86 (B1), Riggan_87 (B1), Rimu_89 (B1), Robyn_88 (B1), Roliet_83 (B1), Roscoe_86 (B1), Roy17_83 (B1), SDcharge11_85 (B1), Samaymay_86 (B1), SassyCat97_84 (B1), Schadenfreude_86 (B1), Schueller_85 (B1), Scoot17C_86 (B1), Scrick_85 (B1), Selr12_87 (B1), Serendipity_85 (B1), Serpentine_0087 (B1), Sheila_81 (B1), ShiVal_84 (B1), Sigman_85 (B1), SilverBell_87 (B1), Simielle_85 (B1), Skippy_86 (B1), Slatt_86 (B1), Soile_87 (B1), Solosis_84 (B1), Sophia_84 (B1), Soto_83 (B1), Spartan300_85 (B1), Squid_85 (B1), Squiggle_85 (B1), Struggle_86 (B1), Suffolk_82 (B1), Surely_86 (B1), Swiphy_90 (B1), Swish_87 (B1), TallGrassMM_85 (B1), Telesworld_84 (B1), Thora_84 (B1), ThreeOh3D2_87 (B1), Thunderbird_86 (B1), Timmi_85 (B1), TomBombadil_86 (B1), Tomlarah_87 (B1), Toni_85 (B1), Tooj_83 (B1), True_84 (B1), Trypo_86 (B1), TyrionL_86 (B1), UAch1_87 (B1), UncleHowie_82 (B1), Usavi_87 (B1), Vaishali24_87 (B1), Valjean_85 (B1), Vaticameos_83 (B1), Veritas_85 (B1), Virapocalypse_87 (B1), Virgeve_84 (B1), Vista_85 (B1), Vivaldi_86 (B1), Vortex_84 (B1), Wallhey_87 (B1), Waterdiva_87 (B1), Weher20_83 (B1), Windsor_86 (B1), Xavier_85 (B1), Yoshand_87 (B1), YouGoGlencoco_86 (B1), Zaider_87 (B1), Zelda_86 (B1), Zonia_86 (B1),

Summary by clusters:

There is one cluster represented in this pham: B1

Info for manual annotations of cluster B1:

- Start number 3 was manually annotated 1 time for cluster B1.
- Start number 5 was manually annotated 262 times for cluster B1.

Gene Information:

Gene: ABU_84 Start: 63664, Stop: 63485, Start Num: 5

Candidate Starts for ABU_84:

(Start: 5 @63664 has 262 MA's), (7, 63595), (8, 63541), (9, 63505), (10, 63502), (11, 63499),

Gene: AbsoluteMadLad_84 Start: 63618, Stop: 63439, Start Num: 5

Candidate Starts for AbsoluteMadLad_84:

(2, 63669), (Start: 5 @63618 has 262 MA's), (7, 63549), (8, 63495), (9, 63459), (10, 63456), (11, 63453),

Gene: Adriana_86 Start: 64180, Stop: 64001, Start Num: 5

Candidate Starts for Adriana_86:

(2, 64231), (Start: 5 @64180 has 262 MA's), (7, 64111), (8, 64057), (9, 64021), (10, 64018), (11, 64015),

Gene: Aelin_85 Start: 63122, Stop: 62943, Start Num: 5

Candidate Starts for Aelin_85:

(2, 63173), (Start: 5 @63122 has 262 MA's), (7, 63053), (8, 62999), (9, 62963), (10, 62960), (11, 62957),

Gene: AltPhacts_84 Start: 62883, Stop: 62704, Start Num: 5

Candidate Starts for AltPhacts_84:

(Start: 5 @62883 has 262 MA's), (7, 62814), (8, 62760), (9, 62724), (10, 62721), (11, 62718),

Gene: Altwerkus_84 Start: 62994, Stop: 62815, Start Num: 5

Candidate Starts for Altwerkus_84:

(2, 63045), (Start: 5 @62994 has 262 MA's), (7, 62925), (8, 62871), (9, 62835), (10, 62832), (11, 62829),

Gene: Anderson_88 Start: 63540, Stop: 63361, Start Num: 5

Candidate Starts for Anderson_88:

(Start: 5 @63540 has 262 MA's), (7, 63471), (8, 63417), (9, 63381), (10, 63378), (11, 63375),

Gene: Andre_88 Start: 63562, Stop: 63383, Start Num: 5

Candidate Starts for Andre_88:

(Start: 5 @63562 has 262 MA's), (7, 63493), (8, 63439), (9, 63403), (10, 63400), (11, 63397),

Gene: Antonia_85 Start: 63166, Stop: 62987, Start Num: 5

Candidate Starts for Antonia_85:

(Start: 5 @63166 has 262 MA's), (7, 63097), (8, 63043), (9, 63007), (10, 63004), (11, 63001),

Gene: Apizium_84 Start: 62822, Stop: 62643, Start Num: 5

Candidate Starts for Apizium_84:

(2, 62873), (Start: 5 @62822 has 262 MA's), (7, 62753), (8, 62699), (9, 62663), (10, 62660), (11, 62657),

Gene: Ashraf_87 Start: 63653, Stop: 63474, Start Num: 5

Candidate Starts for Ashraf_87:

(Start: 5 @63653 has 262 MA's), (7, 63584), (8, 63530), (9, 63494), (10, 63491), (11, 63488),

Gene: Badfish_87 Start: 63844, Stop: 63665, Start Num: 5

Candidate Starts for Badfish_87:

(Start: 5 @63844 has 262 MA's), (7, 63775), (8, 63721), (9, 63685), (10, 63682), (11, 63679),

Gene: Banjo_83 Start: 63110, Stop: 62931, Start Num: 5

Candidate Starts for Banjo_83:

(Start: 5 @63110 has 262 MA's), (7, 63041), (8, 62987), (9, 62951), (10, 62948), (11, 62945),

Gene: Basato_85 Start: 63575, Stop: 63396, Start Num: 5

Candidate Starts for Basato_85:

(Start: 5 @63575 has 262 MA's), (7, 63506), (8, 63452), (9, 63416), (10, 63413), (11, 63410),

Gene: BatteryCK_84 Start: 63101, Stop: 62922, Start Num: 5

Candidate Starts for BatteryCK_84:

(Start: 5 @63101 has 262 MA's), (7, 63032), (8, 62978), (9, 62942), (10, 62939), (11, 62936),

Gene: Beaglebox_83 Start: 63233, Stop: 63054, Start Num: 5

Candidate Starts for Beaglebox_83:

(2, 63284), (Start: 5 @63233 has 262 MA's), (7, 63164), (8, 63110), (9, 63074), (10, 63071), (11, 63068),

Gene: Bishoperium_86 Start: 63680, Stop: 63501, Start Num: 5

Candidate Starts for Bishoperium_86:

(2, 63731), (Start: 5 @63680 has 262 MA's), (7, 63611), (8, 63557), (9, 63521), (10, 63518), (11, 63515),

Gene: BlackStallion_85 Start: 63530, Stop: 63351, Start Num: 5

Candidate Starts for BlackStallion_85:

(2, 63581), (Start: 5 @63530 has 262 MA's), (7, 63461), (8, 63407), (9, 63371), (10, 63368), (11, 63365),

Gene: BlueHusk_87 Start: 63353, Stop: 63174, Start Num: 5

Candidate Starts for BlueHusk_87:

(Start: 5 @63353 has 262 MA's), (7, 63284), (8, 63230), (9, 63194), (10, 63191), (11, 63188),

Gene: Bluephacebaby_85 Start: 63713, Stop: 63534, Start Num: 5

Candidate Starts for Bluephacebaby_85:

(Start: 5 @63713 has 262 MA's), (7, 63644), (8, 63590), (9, 63554), (10, 63551), (11, 63548),

Gene: Boehler_84 Start: 63504, Stop: 63325, Start Num: 5

Candidate Starts for Boehler_84:

(Start: 5 @63504 has 262 MA's), (7, 63435), (8, 63381), (9, 63345), (10, 63342), (11, 63339),

Gene: Brilliant_89 Start: 63693, Stop: 63514, Start Num: 5

Candidate Starts for Brilliant_89:

(Start: 5 @63693 has 262 MA's), (7, 63624), (8, 63570), (9, 63534), (10, 63531), (11, 63528),

Gene: Buckeye_85 Start: 64231, Stop: 64052, Start Num: 5

Candidate Starts for Buckeye_85:

(Start: 5 @64231 has 262 MA's), (7, 64162), (8, 64108), (9, 64072), (10, 64069), (11, 64066),

Gene: Burr_86 Start: 63165, Stop: 62986, Start Num: 5

Candidate Starts for Burr_86:

(Start: 5 @63165 has 262 MA's), (7, 63096), (8, 63042), (9, 63006), (10, 63003), (11, 63000),

Gene: CamL_86 Start: 63465, Stop: 63286, Start Num: 5

Candidate Starts for CamL_86:

(2, 63516), (Start: 5 @63465 has 262 MA's), (7, 63396), (8, 63342), (9, 63306), (10, 63303), (11, 63300),

Gene: CampRoach_87 Start: 63561, Stop: 63382, Start Num: 5

Candidate Starts for CampRoach_87:

(Start: 5 @63561 has 262 MA's), (7, 63492), (8, 63438), (9, 63402), (10, 63399), (11, 63396),

Gene: Cannibal_87 Start: 63567, Stop: 63388, Start Num: 5

Candidate Starts for Cannibal_87:

(Start: 5 @63567 has 262 MA's), (7, 63498), (8, 63444), (9, 63408), (10, 63405), (11, 63402),

Gene: Carthage_87 Start: 63235, Stop: 63056, Start Num: 5

Candidate Starts for Carthage_87:

(Start: 5 @63235 has 262 MA's), (7, 63166), (8, 63112), (9, 63076), (10, 63073), (11, 63070),

Gene: Chaelin_87 Start: 63695, Stop: 63516, Start Num: 5

Candidate Starts for Chaelin_87:

(Start: 5 @63695 has 262 MA's), (7, 63626), (8, 63572), (9, 63536), (10, 63533), (11, 63530),

Gene: Chah_88 Start: 63264, Stop: 63085, Start Num: 5

Candidate Starts for Chah_88:

(Start: 5 @63264 has 262 MA's), (7, 63195), (8, 63141), (9, 63105), (10, 63102), (11, 63099),

Gene: Charles1_87 Start: 63473, Stop: 63294, Start Num: 5

Candidate Starts for Charles1_87:

(Start: 5 @63473 has 262 MA's), (7, 63404), (8, 63350), (9, 63314), (10, 63311), (11, 63308),

Gene: CharlieGBrown_84 Start: 63196, Stop: 63017, Start Num: 5

Candidate Starts for CharlieGBrown_84:

(Start: 5 @63196 has 262 MA's), (7, 63127), (8, 63073), (9, 63037), (10, 63034), (11, 63031),

Gene: CheetO_83 Start: 63570, Stop: 63391, Start Num: 5

Candidate Starts for CheetO_83:

(Start: 5 @63570 has 262 MA's), (7, 63501), (8, 63447), (9, 63411), (10, 63408), (11, 63405),

Gene: Cher_86 Start: 63667, Stop: 63488, Start Num: 5

Candidate Starts for Cher_86:

(Start: 5 @63667 has 262 MA's), (7, 63598), (8, 63544), (9, 63508), (10, 63505), (11, 63502),

Gene: Childish_86 Start: 63858, Stop: 63679, Start Num: 5

Candidate Starts for Childish_86:

(Start: 5 @63858 has 262 MA's), (7, 63789), (8, 63735), (9, 63699), (10, 63696), (11, 63693),

Gene: Chorkpop_87 Start: 63321, Stop: 63142, Start Num: 5

Candidate Starts for Chorkpop_87:

(Start: 5 @63321 has 262 MA's), (7, 63252), (8, 63198), (9, 63162), (10, 63159), (11, 63156),

Gene: Chunky_85 Start: 63166, Stop: 62987, Start Num: 5

Candidate Starts for Chunky_85:

(Start: 5 @63166 has 262 MA's), (7, 63097), (8, 63043), (9, 63007), (10, 63004), (11, 63001),

Gene: Chute_86 Start: 63860, Stop: 63681, Start Num: 5

Candidate Starts for Chute_86:

(2, 63911), (Start: 5 @63860 has 262 MA's), (7, 63791), (8, 63737), (9, 63701), (10, 63698), (11, 63695),

Gene: Cobra_86 Start: 63691, Stop: 63512, Start Num: 5

Candidate Starts for Cobra_86:

(2, 63742), (Start: 5 @63691 has 262 MA's), (7, 63622), (8, 63568), (9, 63532), (10, 63529), (11, 63526),

Gene: Colbert_84 Start: 62589, Stop: 62410, Start Num: 5

Candidate Starts for Colbert_84:

(2, 62640), (Start: 5 @62589 has 262 MA's), (7, 62520), (8, 62466), (9, 62430), (10, 62427), (11, 62424),

Gene: Coletti_88 Start: 64216, Stop: 64037, Start Num: 5

Candidate Starts for Coletti_88:

(2, 64267), (Start: 5 @64216 has 262 MA's), (7, 64147), (8, 64093), (9, 64057), (10, 64054), (11, 64051),

Gene: Cornobble_84 Start: 63159, Stop: 62980, Start Num: 5

Candidate Starts for Cornobble_84:

(2, 63210), (Start: 5 @63159 has 262 MA's), (7, 63090), (8, 63036), (9, 63000), (10, 62997), (11, 62994),

Gene: Cosmolli16_88 Start: 64036, Stop: 63857, Start Num: 5

Candidate Starts for Cosmolli16_88:

(Start: 5 @64036 has 262 MA's), (7, 63967), (8, 63913), (9, 63877), (10, 63874), (11, 63871),

Gene: Craff_88 Start: 64079, Stop: 63900, Start Num: 5

Candidate Starts for Craff_88:

(Start: 5 @64079 has 262 MA's), (7, 64010), (8, 63956), (9, 63920), (10, 63917), (11, 63914),

Gene: Crownjwl_83 Start: 63345, Stop: 63166, Start Num: 5

Candidate Starts for Crownjwl_83:

(Start: 5 @63345 has 262 MA's), (7, 63276), (8, 63222), (9, 63186), (10, 63183), (11, 63180),

Gene: DaddyDaniels_89 Start: 63812, Stop: 63633, Start Num: 5

Candidate Starts for DaddyDaniels_89:

(Start: 5 @63812 has 262 MA's), (7, 63743), (8, 63689), (9, 63653), (10, 63650), (11, 63647),

Gene: Daffy_85 Start: 63306, Stop: 63127, Start Num: 5

Candidate Starts for Daffy_85:

(Start: 5 @63306 has 262 MA's), (7, 63237), (8, 63183), (9, 63147), (10, 63144), (11, 63141),

Gene: Daka_88 Start: 63512, Stop: 63333, Start Num: 5

Candidate Starts for Daka_88:

(2, 63563), (Start: 5 @63512 has 262 MA's), (7, 63443), (8, 63389), (9, 63353), (10, 63350), (11, 63347),

Gene: Dati_83 Start: 63490, Stop: 63311, Start Num: 5

Candidate Starts for Dati_83:

(Start: 5 @63490 has 262 MA's), (7, 63421), (8, 63367), (9, 63331), (10, 63328), (11, 63325),

Gene: DelRivs_84 Start: 63119, Stop: 62940, Start Num: 5

Candidate Starts for DelRivs_84:

(Start: 5 @63119 has 262 MA's), (7, 63050), (8, 62996), (9, 62960), (10, 62957), (11, 62954),

Gene: Derpp_85 Start: 63229, Stop: 63050, Start Num: 5

Candidate Starts for Derpp_85:

(Start: 5 @63229 has 262 MA's), (7, 63160), (8, 63106), (9, 63070), (10, 63067), (11, 63064),

Gene: Dice_85 Start: 63151, Stop: 62972, Start Num: 5

Candidate Starts for Dice_85:

(Start: 5 @63151 has 262 MA's), (7, 63082), (8, 63028), (9, 62992), (10, 62989), (11, 62986),

Gene: Dingo_83 Start: 62872, Stop: 62693, Start Num: 5

Candidate Starts for Dingo_83:

(Start: 5 @62872 has 262 MA's), (7, 62803), (8, 62749), (9, 62713), (10, 62710), (11, 62707),

Gene: Dione_84 Start: 62871, Stop: 62692, Start Num: 5

Candidate Starts for Dione_84:

(Start: 5 @62871 has 262 MA's), (7, 62802), (8, 62748), (9, 62712), (10, 62709), (11, 62706),

Gene: DirtJuice_86 Start: 63611, Stop: 63432, Start Num: 5

Candidate Starts for DirtJuice_86:

(Start: 5 @63611 has 262 MA's), (7, 63542), (8, 63488), (9, 63452), (10, 63449), (11, 63446),

Gene: Doddsville_83 Start: 63311, Stop: 63132, Start Num: 5

Candidate Starts for Doddsville_83:

(Start: 5 @63311 has 262 MA's), (7, 63242), (8, 63188), (9, 63152), (10, 63149), (11, 63146),

Gene: DoesntMatter_83 Start: 63147, Stop: 62968, Start Num: 5

Candidate Starts for DoesntMatter_83:

(Start: 5 @63147 has 262 MA's), (7, 63078), (8, 63024), (9, 62988), (10, 62985), (11, 62982),

Gene: DonSanchon_82 Start: 62829, Stop: 62650, Start Num: 5

Candidate Starts for DonSanchon_82:

(Start: 5 @62829 has 262 MA's), (7, 62760), (8, 62706), (9, 62670), (10, 62667), (11, 62664),

Gene: DuchessDung_83 Start: 62827, Stop: 62648, Start Num: 5

Candidate Starts for DuchessDung_83:

(Start: 5 @62827 has 262 MA's), (7, 62758), (8, 62704), (9, 62668), (10, 62665), (11, 62662),

Gene: Duggie_86 Start: 63453, Stop: 63274, Start Num: 5

Candidate Starts for Duggie_86:

(Start: 5 @63453 has 262 MA's), (7, 63384), (8, 63330), (9, 63294), (10, 63291), (11, 63288),

Gene: Durga_88 Start: 63935, Stop: 63756, Start Num: 5

Candidate Starts for Durga_88:

(Start: 5 @63935 has 262 MA's), (7, 63866), (8, 63812), (9, 63776), (10, 63773), (11, 63770),

Gene: Emiris_88 Start: 63841, Stop: 63662, Start Num: 5

Candidate Starts for Emiris_88:

(Start: 5 @63841 has 262 MA's), (7, 63772), (8, 63718), (9, 63682), (10, 63679), (11, 63676),

Gene: EmpTee_85 Start: 63243, Stop: 63064, Start Num: 5

Candidate Starts for EmpTee_85:

(Start: 5 @63243 has 262 MA's), (7, 63174), (8, 63120), (9, 63084), (10, 63081), (11, 63078),

Gene: Eremos_84 Start: 63533, Stop: 63354, Start Num: 5

Candidate Starts for Eremos_84:

(Start: 5 @63533 has 262 MA's), (7, 63464), (8, 63410), (9, 63374), (10, 63371), (11, 63368),

Gene: Etaye_85 Start: 64019, Stop: 63840, Start Num: 5

Candidate Starts for Etaye_85:

(Start: 5 @64019 has 262 MA's), (7, 63950), (8, 63896), (9, 63860), (10, 63857), (11, 63854),

Gene: Eugenia_88 Start: 63954, Stop: 63775, Start Num: 5

Candidate Starts for Eugenia_88:

(2, 64005), (Start: 5 @63954 has 262 MA's), (7, 63885), (8, 63831), (9, 63795), (10, 63792), (11, 63789),

Gene: Fang_87 Start: 63662, Stop: 63483, Start Num: 5

Candidate Starts for Fang_87:

(2, 63713), (Start: 5 @63662 has 262 MA's), (7, 63593), (8, 63539), (9, 63503), (10, 63500), (11, 63497),

Gene: FluffyNinja_87 Start: 63532, Stop: 63353, Start Num: 5

Candidate Starts for FluffyNinja_87:

(2, 63583), (Start: 5 @63532 has 262 MA's), (7, 63463), (8, 63409), (9, 63373), (10, 63370), (11, 63367),

Gene: Fozzie_83 Start: 63858, Stop: 63679, Start Num: 5

Candidate Starts for Fozzie_83:

(2, 63909), (Start: 5 @63858 has 262 MA's), (7, 63789), (8, 63735), (9, 63699), (10, 63696), (11, 63693),

Gene: Frankicide_84 Start: 63357, Stop: 63178, Start Num: 5

Candidate Starts for Frankicide_84:

(Start: 5 @63357 has 262 MA's), (7, 63288), (8, 63234), (9, 63198), (10, 63195), (11, 63192),

Gene: Freya_83 Start: 62849, Stop: 62670, Start Num: 5

Candidate Starts for Freya_83:

(Start: 5 @62849 has 262 MA's), (7, 62780), (8, 62726), (9, 62690), (10, 62687), (11, 62684),

Gene: FriarPreacher_83 Start: 63230, Stop: 63051, Start Num: 5

Candidate Starts for FriarPreacher_83:

(Start: 5 @63230 has 262 MA's), (7, 63161), (8, 63107), (9, 63071), (10, 63068), (11, 63065),

Gene: Fringe_90 Start: 64007, Stop: 63828, Start Num: 5

Candidate Starts for Fringe_90:

(Start: 5 @64007 has 262 MA's), (7, 63938), (8, 63884), (9, 63848), (10, 63845), (11, 63842),

Gene: FugateOSU_86 Start: 64291, Stop: 64112, Start Num: 5
Candidate Starts for FugateOSU_86:
(2, 64342), (Start: 5 @64291 has 262 MA's), (7, 64222), (8, 64168), (9, 64132), (10, 64129), (11, 64126),

Gene: Gareth_86 Start: 63679, Stop: 63500, Start Num: 5
Candidate Starts for Gareth_86:
(Start: 5 @63679 has 262 MA's), (7, 63610), (8, 63556), (9, 63520), (10, 63517), (11, 63514),

Gene: GeneCoco_86 Start: 63859, Stop: 63680, Start Num: 5
Candidate Starts for GeneCoco_86:
(Start: 5 @63859 has 262 MA's), (7, 63790), (8, 63736), (9, 63700), (10, 63697), (11, 63694),

Gene: Giraffe_86 Start: 63684, Stop: 63505, Start Num: 5
Candidate Starts for Giraffe_86:
(2, 63735), (Start: 5 @63684 has 262 MA's), (7, 63615), (8, 63561), (9, 63525), (10, 63522), (11, 63519),

Gene: Gophee_86 Start: 63670, Stop: 63491, Start Num: 5
Candidate Starts for Gophee_86:
(Start: 5 @63670 has 262 MA's), (7, 63601), (8, 63547), (9, 63511), (10, 63508), (11, 63505),

Gene: Grand2040_84 Start: 63648, Stop: 63469, Start Num: 5
Candidate Starts for Grand2040_84:
(Start: 5 @63648 has 262 MA's), (7, 63579), (8, 63525), (9, 63489), (10, 63486), (11, 63483),

Gene: Gwilliam_86 Start: 64214, Stop: 64035, Start Num: 5
Candidate Starts for Gwilliam_86:
(Start: 5 @64214 has 262 MA's), (7, 64145), (8, 64091), (9, 64055), (10, 64052), (11, 64049),

Gene: Gyarad_0085 Start: 63168, Stop: 62989, Start Num: 5
Candidate Starts for Gyarad_0085:
(Start: 5 @63168 has 262 MA's), (7, 63099), (8, 63045), (9, 63009), (10, 63006), (11, 63003),

Gene: HSavage_84 Start: 63185, Stop: 63006, Start Num: 5
Candidate Starts for HSavage_84:
(Start: 5 @63185 has 262 MA's), (7, 63116), (8, 63062), (9, 63026), (10, 63023), (11, 63020),

Gene: Haimas_83 Start: 63110, Stop: 62931, Start Num: 5
Candidate Starts for Haimas_83:
(Start: 5 @63110 has 262 MA's), (7, 63041), (8, 62987), (9, 62951), (10, 62948), (11, 62945),

Gene: Haleema_85 Start: 63230, Stop: 63051, Start Num: 5
Candidate Starts for Haleema_85:
(2, 63281), (Start: 5 @63230 has 262 MA's), (7, 63161), (8, 63107), (9, 63071), (10, 63068), (11, 63065),

Gene: Hamish_83 Start: 63399, Stop: 63220, Start Num: 5
Candidate Starts for Hamish_83:
(2, 63450), (Start: 5 @63399 has 262 MA's), (7, 63330), (8, 63276), (9, 63240), (10, 63237), (11, 63234),

Gene: Hartsy_84 Start: 63347, Stop: 63168, Start Num: 5
Candidate Starts for Hartsy_84:
(Start: 5 @63347 has 262 MA's), (7, 63278), (8, 63224), (9, 63188), (10, 63185), (11, 63182),

Gene: Harvey_83 Start: 63007, Stop: 62828, Start Num: 5
Candidate Starts for Harvey_83:
(Start: 5 @63007 has 262 MA's), (7, 62938), (8, 62884), (9, 62848), (10, 62845), (11, 62842),

Gene: Held_84 Start: 63128, Stop: 62949, Start Num: 5
Candidate Starts for Held_84:
(Start: 5 @63128 has 262 MA's), (7, 63059), (8, 63005), (9, 62969), (10, 62966), (11, 62963),

Gene: HenryJackson_86 Start: 63847, Stop: 63668, Start Num: 5
Candidate Starts for HenryJackson_86:
(Start: 5 @63847 has 262 MA's), (7, 63778), (8, 63724), (9, 63688), (10, 63685), (11, 63682),

Gene: Hertubise_85 Start: 63489, Stop: 63310, Start Num: 5
Candidate Starts for Hertubise_85:
(Start: 5 @63489 has 262 MA's), (7, 63420), (8, 63366), (9, 63330), (10, 63327), (11, 63324),

Gene: Hetaeria_86 Start: 63496, Stop: 63317, Start Num: 5
Candidate Starts for Hetaeria_86:
(Start: 5 @63496 has 262 MA's), (7, 63427), (8, 63373), (9, 63337), (10, 63334), (11, 63331),

Gene: HighStump_87 Start: 63634, Stop: 63455, Start Num: 5
Candidate Starts for HighStump_87:
(Start: 5 @63634 has 262 MA's), (7, 63565), (8, 63511), (9, 63475), (10, 63472), (11, 63469),

Gene: Hocus_84 Start: 63148, Stop: 62969, Start Num: 5
Candidate Starts for Hocus_84:
(Start: 5 @63148 has 262 MA's), (7, 63079), (8, 63025), (9, 62989), (10, 62986), (11, 62983),

Gene: Horchata_82 Start: 63325, Stop: 63146, Start Num: 5
Candidate Starts for Horchata_82:
(Start: 5 @63325 has 262 MA's), (7, 63256), (8, 63202), (9, 63166), (10, 63163), (11, 63160),

Gene: ImtiyazSitla_87 Start: 63653, Stop: 63474, Start Num: 5
Candidate Starts for ImtiyazSitla_87:
(Start: 5 @63653 has 262 MA's), (7, 63584), (8, 63530), (9, 63494), (10, 63491), (11, 63488),

Gene: Inchworm_87 Start: 63521, Stop: 63342, Start Num: 5
Candidate Starts for Inchworm_87:
(Start: 5 @63521 has 262 MA's), (7, 63452), (8, 63398), (9, 63362), (10, 63359), (11, 63356),

Gene: Inverness_84 Start: 63322, Stop: 63143, Start Num: 5
Candidate Starts for Inverness_84:
(Start: 5 @63322 has 262 MA's), (7, 63253), (8, 63199), (9, 63163), (10, 63160), (11, 63157),

Gene: Iridoclysis_85 Start: 63412, Stop: 63233, Start Num: 5
Candidate Starts for Iridoclysis_85:
(Start: 5 @63412 has 262 MA's), (7, 63343), (8, 63289), (9, 63253), (10, 63250), (11, 63247),

Gene: IsaacEli_88 Start: 63652, Stop: 63473, Start Num: 5

Candidate Starts for IsaacEli_88:

(Start: 5 @63652 has 262 MA's), (7, 63583), (8, 63529), (9, 63493), (10, 63490), (11, 63487),

Gene: JDog_85 Start: 63682, Stop: 63503, Start Num: 5

Candidate Starts for JDog_85:

(Start: 5 @63682 has 262 MA's), (7, 63613), (8, 63559), (9, 63523), (10, 63520), (11, 63517),

Gene: JacAttac_86 Start: 63126, Stop: 62947, Start Num: 5

Candidate Starts for JacAttac_86:

(Start: 5 @63126 has 262 MA's), (7, 63057), (8, 63003), (9, 62967), (10, 62964), (11, 62961),

Gene: JakeO_87 Start: 63410, Stop: 63231, Start Num: 5

Candidate Starts for JakeO_87:

(Start: 5 @63410 has 262 MA's), (7, 63341), (8, 63287), (9, 63251), (10, 63248), (11, 63245),

Gene: JangoPhett_84 Start: 63486, Stop: 63307, Start Num: 5

Candidate Starts for JangoPhett_84:

(Start: 5 @63486 has 262 MA's), (7, 63417), (8, 63363), (9, 63327), (10, 63324), (11, 63321),

Gene: Jillium_87 Start: 63842, Stop: 63663, Start Num: 5

Candidate Starts for Jillium_87:

(Start: 5 @63842 has 262 MA's), (7, 63773), (8, 63719), (9, 63683), (10, 63680), (11, 63677),

Gene: Jiminy_86 Start: 63346, Stop: 63167, Start Num: 5

Candidate Starts for Jiminy_86:

(Start: 5 @63346 has 262 MA's), (7, 63277), (8, 63223), (9, 63187), (10, 63184), (11, 63181),

Gene: Jiraiya_90 Start: 63430, Stop: 63251, Start Num: 5

Candidate Starts for Jiraiya_90:

(Start: 5 @63430 has 262 MA's), (7, 63361), (8, 63307), (9, 63271), (10, 63268), (11, 63265),

Gene: KLucky39_84 Start: 63205, Stop: 63026, Start Num: 5

Candidate Starts for KLucky39_84:

(Start: 5 @63205 has 262 MA's), (7, 63136), (8, 63082), (9, 63046), (10, 63043), (11, 63040),

Gene: Kahve_86 Start: 63845, Stop: 63666, Start Num: 5

Candidate Starts for Kahve_86:

(Start: 5 @63845 has 262 MA's), (7, 63776), (8, 63722), (9, 63686), (10, 63683), (11, 63680),

Gene: Kailash_84 Start: 63545, Stop: 63366, Start Num: 5

Candidate Starts for Kailash_84:

(Start: 5 @63545 has 262 MA's), (7, 63476), (8, 63422), (9, 63386), (10, 63383), (11, 63380),

Gene: Katniss_88 Start: 63261, Stop: 63082, Start Num: 5

Candidate Starts for Katniss_88:

(Start: 5 @63261 has 262 MA's), (7, 63192), (8, 63138), (9, 63102), (10, 63099), (11, 63096),

Gene: Keitherie_89 Start: 63903, Stop: 63724, Start Num: 5

Candidate Starts for Keitherie_89:

(Start: 5 @63903 has 262 MA's), (7, 63834), (8, 63780), (9, 63744), (10, 63741), (11, 63738),

Gene: Kikipoo_88 Start: 63652, Stop: 63473, Start Num: 5

Candidate Starts for Kikipoo_88:

(Start: 5 @63652 has 262 MA's), (7, 63583), (8, 63529), (9, 63493), (10, 63490), (11, 63487),

Gene: Kimbrough_87 Start: 63724, Stop: 63545, Start Num: 5

Candidate Starts for Kimbrough_87:

(Start: 5 @63724 has 262 MA's), (7, 63655), (8, 63601), (9, 63565), (10, 63562), (11, 63559),

Gene: KingTut_77 Start: 59884, Stop: 59705, Start Num: 5

Candidate Starts for KingTut_77:

(Start: 5 @59884 has 262 MA's), (7, 59815), (8, 59761), (9, 59725), (10, 59722), (11, 59719),

Gene: KingVeVeVe_84 Start: 62859, Stop: 62680, Start Num: 5

Candidate Starts for KingVeVeVe_84:

(2, 62910), (Start: 5 @62859 has 262 MA's), (7, 62790), (8, 62736), (9, 62700), (10, 62697), (11, 62694),

Gene: KlimbOn_85 Start: 63164, Stop: 62985, Start Num: 5

Candidate Starts for KlimbOn_85:

(Start: 5 @63164 has 262 MA's), (7, 63095), (8, 63041), (9, 63005), (10, 63002), (11, 62999),

Gene: Kloppinator_86 Start: 63295, Stop: 63116, Start Num: 5

Candidate Starts for Kloppinator_86:

(2, 63346), (Start: 5 @63295 has 262 MA's), (7, 63226), (8, 63172), (9, 63136), (10, 63133), (11, 63130),

Gene: Kwadwo_85 Start: 63150, Stop: 62971, Start Num: 5

Candidate Starts for Kwadwo_85:

(2, 63201), (Start: 5 @63150 has 262 MA's), (7, 63081), (8, 63027), (9, 62991), (10, 62988), (11, 62985),

Gene: Kwksand96_87 Start: 63416, Stop: 63237, Start Num: 5

Candidate Starts for Kwksand96_87:

(Start: 5 @63416 has 262 MA's), (7, 63347), (8, 63293), (9, 63257), (10, 63254), (11, 63251),

Gene: Labeouficaum_86 Start: 63229, Stop: 63050, Start Num: 5

Candidate Starts for Labeouficaum_86:

(Start: 5 @63229 has 262 MA's), (7, 63160), (8, 63106), (9, 63070), (10, 63067), (11, 63064),

Gene: LasagnaCat_87 Start: 63531, Stop: 63352, Start Num: 5

Candidate Starts for LasagnaCat_87:

(Start: 5 @63531 has 262 MA's), (7, 63462), (8, 63408), (9, 63372), (10, 63369), (11, 63366),

Gene: Lasso_85 Start: 63391, Stop: 63212, Start Num: 5

Candidate Starts for Lasso_85:

(2, 63442), (Start: 5 @63391 has 262 MA's), (7, 63322), (8, 63268), (9, 63232), (10, 63229), (11, 63226),

Gene: LeeLot_84 Start: 63734, Stop: 63555, Start Num: 5

Candidate Starts for LeeLot_84:

(Start: 5 @63734 has 262 MA's), (7, 63665), (8, 63611), (9, 63575), (10, 63572), (11, 63569),

Gene: Lego3393_84 Start: 63852, Stop: 63673, Start Num: 5

Candidate Starts for Lego3393_84:

(2, 63903), (Start: 5 @63852 has 262 MA's), (7, 63783), (8, 63729), (9, 63693), (10, 63690), (11, 63687),

Gene: Legolas_87 Start: 63478, Stop: 63299, Start Num: 5

Candidate Starts for Legolas_87:

(Start: 5 @63478 has 262 MA's), (7, 63409), (8, 63355), (9, 63319), (10, 63316), (11, 63313),

Gene: LeiMonet_88 Start: 63612, Stop: 63433, Start Num: 5

Candidate Starts for LeiMonet_88:

(Start: 5 @63612 has 262 MA's), (7, 63543), (8, 63489), (9, 63453), (10, 63450), (11, 63447),

Gene: LemonSlice_86 Start: 63137, Stop: 62958, Start Num: 5

Candidate Starts for LemonSlice_86:

(Start: 5 @63137 has 262 MA's), (7, 63068), (8, 63014), (9, 62978), (10, 62975), (11, 62972),

Gene: Longacauda_87 Start: 63631, Stop: 63452, Start Num: 5

Candidate Starts for Longacauda_87:

(Start: 5 @63631 has 262 MA's), (7, 63562), (8, 63508), (9, 63472), (10, 63469), (11, 63466),

Gene: Lopsy_82 Start: 62851, Stop: 62639, Start Num: 3

Candidate Starts for Lopsy_82:

(1, 62932), (Start: 3 @62851 has 1 MA's), (4, 62818), (7, 62749), (8, 62695), (9, 62659), (10, 62656), (11, 62653),

Gene: LostAndPhound_85 Start: 63680, Stop: 63501, Start Num: 5

Candidate Starts for LostAndPhound_85:

(2, 63731), (Start: 5 @63680 has 262 MA's), (7, 63611), (8, 63557), (9, 63521), (10, 63518), (11, 63515),

Gene: LuckyMarjie_83 Start: 62889, Stop: 62710, Start Num: 5

Candidate Starts for LuckyMarjie_83:

(Start: 5 @62889 has 262 MA's), (7, 62820), (8, 62766), (9, 62730), (10, 62727), (11, 62724),

Gene: Lulumae_82 Start: 62870, Stop: 62691, Start Num: 5

Candidate Starts for Lulumae_82:

(Start: 5 @62870 has 262 MA's), (7, 62801), (8, 62747), (9, 62711), (10, 62708), (11, 62705),

Gene: Lulwa_83 Start: 62503, Stop: 62324, Start Num: 5

Candidate Starts for Lulwa_83:

(Start: 5 @62503 has 262 MA's), (7, 62434), (8, 62380), (9, 62344), (10, 62341), (11, 62338),

Gene: Lumine_87 Start: 63328, Stop: 63149, Start Num: 5

Candidate Starts for Lumine_87:

(Start: 5 @63328 has 262 MA's), (7, 63259), (8, 63205), (9, 63169), (10, 63166), (11, 63163),

Gene: MRabcd_86 Start: 63605, Stop: 63426, Start Num: 5

Candidate Starts for MRabcd_86:

(Start: 5 @63605 has 262 MA's), (7, 63536), (8, 63482), (9, 63446), (10, 63443), (11, 63440),

Gene: Mag7_84 Start: 63089, Stop: 62910, Start Num: 5

Candidate Starts for Mag7_84:

(Start: 5 @63089 has 262 MA's), (7, 63020), (8, 62966), (9, 62930), (10, 62927), (11, 62924),

Gene: Magic8_85 Start: 63457, Stop: 63278, Start Num: 5
Candidate Starts for Magic8_85:
(Start: 5 @63457 has 262 MA's), (7, 63388), (8, 63334), (9, 63298), (10, 63295), (11, 63292),

Gene: Mana_84 Start: 63293, Stop: 63114, Start Num: 5
Candidate Starts for Mana_84:
(Start: 5 @63293 has 262 MA's), (7, 63224), (8, 63170), (9, 63134), (10, 63131), (11, 63128),

Gene: Manad_85 Start: 63403, Stop: 63224, Start Num: 5
Candidate Starts for Manad_85:
(Start: 5 @63403 has 262 MA's), (7, 63334), (8, 63280), (9, 63244), (10, 63241), (11, 63238),

Gene: Maru_86 Start: 63741, Stop: 63562, Start Num: 5
Candidate Starts for Maru_86:
(Start: 5 @63741 has 262 MA's), (7, 63672), (8, 63618), (9, 63582), (10, 63579), (11, 63576),

Gene: Maskar_87 Start: 63653, Stop: 63474, Start Num: 5
Candidate Starts for Maskar_87:
(Start: 5 @63653 has 262 MA's), (7, 63584), (8, 63530), (9, 63494), (10, 63491), (11, 63488),

Gene: Matalotodo_84 Start: 64137, Stop: 63958, Start Num: 5
Candidate Starts for Matalotodo_84:
(Start: 5 @64137 has 262 MA's), (7, 64068), (8, 64014), (9, 63978), (10, 63975), (11, 63972),

Gene: Mcshane_85 Start: 63151, Stop: 62972, Start Num: 5
Candidate Starts for Mcshane_85:
(Start: 5 @63151 has 262 MA's), (7, 63082), (8, 63028), (9, 62992), (10, 62989), (11, 62986),

Gene: Mecca_86 Start: 63705, Stop: 63526, Start Num: 5
Candidate Starts for Mecca_86:
(Start: 5 @63705 has 262 MA's), (7, 63636), (8, 63582), (9, 63546), (10, 63543), (11, 63540),

Gene: Megamind20_86 Start: 63115, Stop: 62936, Start Num: 5
Candidate Starts for Megamind20_86:
(Start: 5 @63115 has 262 MA's), (7, 63046), (8, 62992), (9, 62956), (10, 62953), (11, 62950),

Gene: Megatron_87 Start: 63823, Stop: 63644, Start Num: 5
Candidate Starts for Megatron_87:
(Start: 5 @63823 has 262 MA's), (7, 63754), (8, 63700), (9, 63664), (10, 63661), (11, 63658),

Gene: Melc17_83 Start: 63773, Stop: 63594, Start Num: 5
Candidate Starts for Melc17_83:
(Start: 5 @63773 has 262 MA's), (7, 63704), (8, 63650), (9, 63614), (10, 63611), (11, 63608),

Gene: MelsMeow_85 Start: 63413, Stop: 63234, Start Num: 5
Candidate Starts for MelsMeow_85:
(Start: 5 @63413 has 262 MA's), (7, 63344), (8, 63290), (9, 63254), (10, 63251), (11, 63248),

Gene: Mesh1_87 Start: 63869, Stop: 63690, Start Num: 5
Candidate Starts for Mesh1_87:
(Start: 5 @63869 has 262 MA's), (7, 63800), (8, 63746), (9, 63710), (10, 63707), (11, 63704),

Gene: MichaelPhcott_84 Start: 63086, Stop: 62907, Start Num: 5

Candidate Starts for MichaelPhcott_84:

(Start: 5 @63086 has 262 MA's), (7, 63017), (8, 62963), (9, 62927), (10, 62924), (11, 62921),

Gene: Mikota_82 Start: 62857, Stop: 62678, Start Num: 5

Candidate Starts for Mikota_82:

(Start: 5 @62857 has 262 MA's), (7, 62788), (8, 62734), (9, 62698), (10, 62695), (11, 62692),

Gene: MiniBoss_82 Start: 62458, Stop: 62279, Start Num: 5

Candidate Starts for MiniBoss_82:

(2, 62509), (Start: 5 @62458 has 262 MA's), (7, 62389), (8, 62335), (9, 62299), (10, 62296), (11, 62293),

Gene: MitKao_86 Start: 63307, Stop: 63128, Start Num: 5

Candidate Starts for MitKao_86:

(Start: 5 @63307 has 262 MA's), (7, 63238), (8, 63184), (9, 63148), (10, 63145), (11, 63142),

Gene: Morgushi_83 Start: 63121, Stop: 62942, Start Num: 5

Candidate Starts for Morgushi_83:

(Start: 5 @63121 has 262 MA's), (7, 63052), (8, 62998), (9, 62962), (10, 62959), (11, 62956),

Gene: Morty_87 Start: 63693, Stop: 63514, Start Num: 5

Candidate Starts for Morty_87:

(Start: 5 @63693 has 262 MA's), (7, 63624), (8, 63570), (9, 63534), (10, 63531), (11, 63528),

Gene: Mosaic_83 Start: 63303, Stop: 63124, Start Num: 5

Candidate Starts for Mosaic_83:

(Start: 5 @63303 has 262 MA's), (7, 63234), (8, 63180), (9, 63144), (10, 63141), (11, 63138),

Gene: MrPhizzler_85 Start: 63601, Stop: 63422, Start Num: 5

Candidate Starts for MrPhizzler_85:

(Start: 5 @63601 has 262 MA's), (7, 63532), (8, 63478), (9, 63442), (10, 63439), (11, 63436),

Gene: Mulan_85 Start: 63336, Stop: 63157, Start Num: 5

Candidate Starts for Mulan_85:

(2, 63387), (Start: 5 @63336 has 262 MA's), (7, 63267), (8, 63213), (9, 63177), (10, 63174), (11, 63171),

Gene: Murdoc_82 Start: 63414, Stop: 63235, Start Num: 5

Candidate Starts for Murdoc_82:

(Start: 5 @63414 has 262 MA's), (7, 63345), (8, 63291), (9, 63255), (10, 63252), (11, 63249),

Gene: Mutante_87 Start: 63308, Stop: 63129, Start Num: 5

Candidate Starts for Mutante_87:

(Start: 5 @63308 has 262 MA's), (7, 63239), (8, 63185), (9, 63149), (10, 63146), (11, 63143),

Gene: Nacho_0088 Start: 64379, Stop: 64200, Start Num: 5

Candidate Starts for Nacho_0088:

(Start: 5 @64379 has 262 MA's), (7, 64310), (8, 64256), (9, 64220), (10, 64217), (11, 64214),

Gene: Newman_83 Start: 63656, Stop: 63477, Start Num: 5

Candidate Starts for Newman_83:

(Start: 5 @63656 has 262 MA's), (7, 63587), (8, 63533), (9, 63497), (10, 63494), (11, 63491),

Gene: Nicole21_87 Start: 63442, Stop: 63263, Start Num: 5

Candidate Starts for Nicole21_87:

(2, 63493), (Start: 5 @63442 has 262 MA's), (7, 63373), (8, 63319), (9, 63283), (10, 63280), (11, 63277),

Gene: Numberten_85 Start: 63423, Stop: 63244, Start Num: 5

Candidate Starts for Numberten_85:

(Start: 5 @63423 has 262 MA's), (7, 63354), (8, 63300), (9, 63264), (10, 63261), (11, 63258),

Gene: Nyala_85 Start: 63158, Stop: 62979, Start Num: 5

Candidate Starts for Nyala_85:

(2, 63209), (Start: 5 @63158 has 262 MA's), (7, 63089), (8, 63035), (9, 62999), (10, 62996), (11, 62993),

Gene: OSmaximus_87 Start: 63989, Stop: 63810, Start Num: 5

Candidate Starts for OSmaximus_87:

(2, 64040), (Start: 5 @63989 has 262 MA's), (7, 63920), (8, 63866), (9, 63830), (10, 63827), (11, 63824),

Gene: Olak_85 Start: 63322, Stop: 63143, Start Num: 5

Candidate Starts for Olak_85:

(2, 63373), (Start: 5 @63322 has 262 MA's), (7, 63253), (8, 63199), (9, 63163), (10, 63160), (11, 63157),

Gene: Oline_85 Start: 63312, Stop: 63133, Start Num: 5

Candidate Starts for Oline_85:

(Start: 5 @63312 has 262 MA's), (7, 63243), (8, 63189), (9, 63153), (10, 63150), (11, 63147),

Gene: Olive_83 Start: 63553, Stop: 63374, Start Num: 5

Candidate Starts for Olive_83:

(Start: 5 @63553 has 262 MA's), (7, 63484), (8, 63430), (9, 63394), (10, 63391), (11, 63388),

Gene: OliverWalter_86 Start: 63609, Stop: 63430, Start Num: 5

Candidate Starts for OliverWalter_86:

(2, 63660), (Start: 5 @63609 has 262 MA's), (7, 63540), (8, 63486), (9, 63450), (10, 63447), (11, 63444),

Gene: Omniscient_87 Start: 64012, Stop: 63833, Start Num: 5

Candidate Starts for Omniscient_87:

(2, 64063), (Start: 5 @64012 has 262 MA's), (7, 63943), (8, 63889), (9, 63853), (10, 63850), (11, 63847),

Gene: Oosterbaan_86 Start: 63549, Stop: 63370, Start Num: 5

Candidate Starts for Oosterbaan_86:

(2, 63600), (Start: 5 @63549 has 262 MA's), (6, 63507), (7, 63480), (8, 63426), (9, 63390), (10, 63387), (11, 63384),

Gene: Orfeu_85 Start: 63671, Stop: 63492, Start Num: 5

Candidate Starts for Orfeu_85:

(Start: 5 @63671 has 262 MA's), (7, 63602), (8, 63548), (9, 63512), (10, 63509), (11, 63506),

Gene: Orion_84 Start: 63241, Stop: 63062, Start Num: 5

Candidate Starts for Orion_84:

(Start: 5 @63241 has 262 MA's), (7, 63172), (8, 63118), (9, 63082), (10, 63079), (11, 63076),

Gene: Orwigg_86 Start: 63077, Stop: 62898, Start Num: 5

Candidate Starts for Orwigg_86:

(Start: 5 @63077 has 262 MA's), (7, 63008), (8, 62954), (9, 62918), (10, 62915), (11, 62912),

Gene: PG1_84 Start: 63813, Stop: 63634, Start Num: 5

Candidate Starts for PG1_84:

(Start: 5 @63813 has 262 MA's), (7, 63744), (8, 63690), (9, 63654), (10, 63651), (11, 63648),

Gene: Pacifista_85 Start: 63162, Stop: 62983, Start Num: 5

Candidate Starts for Pacifista_85:

(Start: 5 @63162 has 262 MA's), (7, 63093), (8, 63039), (9, 63003), (10, 63000), (11, 62997),

Gene: Phamished_86 Start: 63329, Stop: 63150, Start Num: 5

Candidate Starts for Phamished_86:

(Start: 5 @63329 has 262 MA's), (7, 63260), (8, 63206), (9, 63170), (10, 63167), (11, 63164),

Gene: Phareon_84 Start: 62854, Stop: 62675, Start Num: 5

Candidate Starts for Phareon_84:

(Start: 5 @62854 has 262 MA's), (7, 62785), (8, 62731), (9, 62695), (10, 62692), (11, 62689),

Gene: PhatCats2014_85 Start: 63813, Stop: 63634, Start Num: 5

Candidate Starts for PhatCats2014_85:

(Start: 5 @63813 has 262 MA's), (7, 63744), (8, 63690), (9, 63654), (10, 63651), (11, 63648),

Gene: PhatLouie_88 Start: 63688, Stop: 63509, Start Num: 5

Candidate Starts for PhatLouie_88:

(2, 63739), (Start: 5 @63688 has 262 MA's), (7, 63619), (8, 63565), (9, 63529), (10, 63526), (11, 63523),

Gene: PhenghisKhan_86 Start: 63318, Stop: 63139, Start Num: 5

Candidate Starts for PhenghisKhan_86:

(Start: 5 @63318 has 262 MA's), (7, 63249), (8, 63195), (9, 63159), (10, 63156), (11, 63153),

Gene: Pherdinand_87 Start: 63534, Stop: 63355, Start Num: 5

Candidate Starts for Pherdinand_87:

(2, 63585), (Start: 5 @63534 has 262 MA's), (7, 63465), (8, 63411), (9, 63375), (10, 63372), (11, 63369),

Gene: Phergie_86 Start: 63307, Stop: 63128, Start Num: 5

Candidate Starts for Phergie_86:

(Start: 5 @63307 has 262 MA's), (7, 63238), (8, 63184), (9, 63148), (10, 63145), (11, 63142),

Gene: Phipps_84 Start: 63385, Stop: 63206, Start Num: 5

Candidate Starts for Phipps_84:

(Start: 5 @63385 has 262 MA's), (7, 63316), (8, 63262), (9, 63226), (10, 63223), (11, 63220),

Gene: Phleuron_83 Start: 63119, Stop: 62940, Start Num: 5

Candidate Starts for Phleuron_83:

(Start: 5 @63119 has 262 MA's), (7, 63050), (8, 62996), (9, 62960), (10, 62957), (11, 62954),

Gene: PhrankReynolds_84 Start: 63312, Stop: 63133, Start Num: 5

Candidate Starts for PhrankReynolds_84:

(Start: 5 @63312 has 262 MA's), (7, 63243), (8, 63189), (9, 63153), (10, 63150), (11, 63147),

Gene: PhrodoBaggins_88 Start: 63688, Stop: 63509, Start Num: 5

Candidate Starts for PhrodoBaggins_88:

(Start: 5 @63688 has 262 MA's), (7, 63619), (8, 63565), (9, 63529), (10, 63526), (11, 63523),

Gene: Phunky_84 Start: 63192, Stop: 63013, Start Num: 5

Candidate Starts for Phunky_84:

(2, 63243), (Start: 5 @63192 has 262 MA's), (7, 63123), (8, 63069), (9, 63033), (10, 63030), (11, 63027),

Gene: Piglet_0086 Start: 63807, Stop: 63628, Start Num: 5

Candidate Starts for Piglet_0086:

(Start: 5 @63807 has 262 MA's), (7, 63738), (8, 63684), (9, 63648), (10, 63645), (11, 63642),

Gene: PinheadLarry_85 Start: 63458, Stop: 63279, Start Num: 5

Candidate Starts for PinheadLarry_85:

(Start: 5 @63458 has 262 MA's), (7, 63389), (8, 63335), (9, 63299), (10, 63296), (11, 63293),

Gene: Pinkman_85 Start: 63531, Stop: 63352, Start Num: 5

Candidate Starts for Pinkman_85:

(Start: 5 @63531 has 262 MA's), (7, 63462), (8, 63408), (9, 63372), (10, 63369), (11, 63366),

Gene: Pipsqueak_83 Start: 63144, Stop: 62965, Start Num: 5

Candidate Starts for Pipsqueak_83:

(Start: 5 @63144 has 262 MA's), (7, 63075), (8, 63021), (9, 62985), (10, 62982), (11, 62979),

Gene: Placalicious_84 Start: 64177, Stop: 63998, Start Num: 5

Candidate Starts for Placalicious_84:

(Start: 5 @64177 has 262 MA's), (7, 64108), (8, 64054), (9, 64018), (10, 64015), (11, 64012),

Gene: Plmatters_84 Start: 63132, Stop: 62953, Start Num: 5

Candidate Starts for Plmatters_84:

(Start: 5 @63132 has 262 MA's), (7, 63063), (8, 63009), (9, 62973), (10, 62970), (11, 62967),

Gene: Podrick_85 Start: 63220, Stop: 63041, Start Num: 5

Candidate Starts for Podrick_85:

(Start: 5 @63220 has 262 MA's), (7, 63151), (8, 63097), (9, 63061), (10, 63058), (11, 63055),

Gene: Pops_83 Start: 63322, Stop: 63143, Start Num: 5

Candidate Starts for Pops_83:

(Start: 5 @63322 has 262 MA's), (7, 63253), (8, 63199), (9, 63163), (10, 63160), (11, 63157),

Gene: Potter_81 Start: 63141, Stop: 62962, Start Num: 5

Candidate Starts for Potter_81:

(Start: 5 @63141 has 262 MA's), (7, 63072), (8, 63018), (9, 62982), (10, 62979), (11, 62976),

Gene: Prickles_87 Start: 63511, Stop: 63332, Start Num: 5

Candidate Starts for Prickles_87:

(2, 63562), (Start: 5 @63511 has 262 MA's), (7, 63442), (8, 63388), (9, 63352), (10, 63349), (11, 63346),

Gene: ProfessorX_84 Start: 63178, Stop: 62999, Start Num: 5
Candidate Starts for ProfessorX_84:
(Start: 5 @63178 has 262 MA's), (7, 63109), (8, 63055), (9, 63019), (10, 63016), (11, 63013),

Gene: Puhltonio_82 Start: 63415, Stop: 63236, Start Num: 5
Candidate Starts for Puhltonio_82:
(Start: 5 @63415 has 262 MA's), (7, 63346), (8, 63292), (9, 63256), (10, 63253), (11, 63250),

Gene: QueenBeane_86 Start: 63465, Stop: 63286, Start Num: 5
Candidate Starts for QueenBeane_86:
(2, 63516), (Start: 5 @63465 has 262 MA's), (7, 63396), (8, 63342), (9, 63306), (10, 63303), (11, 63300),

Gene: Quisquilliae_88 Start: 63475, Stop: 63296, Start Num: 5
Candidate Starts for Quisquilliae_88:
(Start: 5 @63475 has 262 MA's), (7, 63406), (8, 63352), (9, 63316), (10, 63313), (11, 63310),

Gene: RedMaple_85 Start: 64078, Stop: 63899, Start Num: 5
Candidate Starts for RedMaple_85:
(Start: 5 @64078 has 262 MA's), (7, 64009), (8, 63955), (9, 63919), (10, 63916), (11, 63913),

Gene: Ricotta_86 Start: 63160, Stop: 62981, Start Num: 5
Candidate Starts for Ricotta_86:
(Start: 5 @63160 has 262 MA's), (7, 63091), (8, 63037), (9, 63001), (10, 62998), (11, 62995),

Gene: Riggan_87 Start: 63646, Stop: 63467, Start Num: 5
Candidate Starts for Riggan_87:
(2, 63697), (Start: 5 @63646 has 262 MA's), (7, 63577), (8, 63523), (9, 63487), (10, 63484), (11, 63481),

Gene: Rimu_89 Start: 63624, Stop: 63445, Start Num: 5
Candidate Starts for Rimu_89:
(Start: 5 @63624 has 262 MA's), (7, 63555), (8, 63501), (9, 63465), (10, 63462), (11, 63459),

Gene: Robyn_88 Start: 63903, Stop: 63724, Start Num: 5
Candidate Starts for Robyn_88:
(Start: 5 @63903 has 262 MA's), (7, 63834), (8, 63780), (9, 63744), (10, 63741), (11, 63738),

Gene: Roliet_83 Start: 62505, Stop: 62326, Start Num: 5
Candidate Starts for Roliet_83:
(Start: 5 @62505 has 262 MA's), (7, 62436), (8, 62382), (9, 62346), (10, 62343), (11, 62340),

Gene: Roscoe_86 Start: 63765, Stop: 63586, Start Num: 5
Candidate Starts for Roscoe_86:
(Start: 5 @63765 has 262 MA's), (7, 63696), (8, 63642), (9, 63606), (10, 63603), (11, 63600),

Gene: Roy17_83 Start: 62870, Stop: 62691, Start Num: 5
Candidate Starts for Roy17_83:
(Start: 5 @62870 has 262 MA's), (7, 62801), (8, 62747), (9, 62711), (10, 62708), (11, 62705),

Gene: SDcharge11_85 Start: 62798, Stop: 62619, Start Num: 5
Candidate Starts for SDcharge11_85:
(Start: 5 @62798 has 262 MA's), (7, 62729), (8, 62675), (9, 62639), (10, 62636), (11, 62633),

Gene: Samaymay_86 Start: 63465, Stop: 63286, Start Num: 5
Candidate Starts for Samaymay_86:
(2, 63516), (Start: 5 @63465 has 262 MA's), (7, 63396), (8, 63342), (9, 63306), (10, 63303), (11, 63300),

Gene: SassyCat97_84 Start: 63132, Stop: 62953, Start Num: 5
Candidate Starts for SassyCat97_84:
(Start: 5 @63132 has 262 MA's), (7, 63063), (8, 63009), (9, 62973), (10, 62970), (11, 62967),

Gene: Schadenfreude_86 Start: 63023, Stop: 62844, Start Num: 5
Candidate Starts for Schadenfreude_86:
(Start: 5 @63023 has 262 MA's), (7, 62954), (8, 62900), (9, 62864), (10, 62861), (11, 62858),

Gene: Schueller_85 Start: 63406, Stop: 63227, Start Num: 5
Candidate Starts for Schueller_85:
(Start: 5 @63406 has 262 MA's), (7, 63337), (8, 63283), (9, 63247), (10, 63244), (11, 63241),

Gene: Scoot17C_86 Start: 63245, Stop: 63066, Start Num: 5
Candidate Starts for Scoot17C_86:
(Start: 5 @63245 has 262 MA's), (7, 63176), (8, 63122), (9, 63086), (10, 63083), (11, 63080),

Gene: Scrick_85 Start: 63146, Stop: 62967, Start Num: 5
Candidate Starts for Scrick_85:
(Start: 5 @63146 has 262 MA's), (7, 63077), (8, 63023), (9, 62987), (10, 62984), (11, 62981),

Gene: Selr12_87 Start: 63188, Stop: 63009, Start Num: 5
Candidate Starts for Selr12_87:
(2, 63239), (Start: 5 @63188 has 262 MA's), (7, 63119), (8, 63065), (9, 63029), (10, 63026), (11, 63023),

Gene: Serendipity_85 Start: 63618, Stop: 63439, Start Num: 5
Candidate Starts for Serendipity_85:
(Start: 5 @63618 has 262 MA's), (7, 63549), (8, 63495), (9, 63459), (10, 63456), (11, 63453),

Gene: Serpentine_0087 Start: 63699, Stop: 63520, Start Num: 5
Candidate Starts for Serpentine_0087:
(Start: 5 @63699 has 262 MA's), (7, 63630), (8, 63576), (9, 63540), (10, 63537), (11, 63534),

Gene: Sheila_81 Start: 62711, Stop: 62532, Start Num: 5
Candidate Starts for Sheila_81:
(Start: 5 @62711 has 262 MA's), (7, 62642), (8, 62588), (9, 62552), (10, 62549), (11, 62546),

Gene: ShiVal_84 Start: 63170, Stop: 62991, Start Num: 5
Candidate Starts for ShiVal_84:
(2, 63221), (Start: 5 @63170 has 262 MA's), (7, 63101), (8, 63047), (9, 63011), (10, 63008), (11, 63005),

Gene: Sigman_85 Start: 63126, Stop: 62947, Start Num: 5
Candidate Starts for Sigman_85:
(Start: 5 @63126 has 262 MA's), (7, 63057), (8, 63003), (9, 62967), (10, 62964), (11, 62961),

Gene: SilverBell_87 Start: 63580, Stop: 63401, Start Num: 5

Candidate Starts for SilverBell_87:

(2, 63631), (Start: 5 @63580 has 262 MA's), (7, 63511), (8, 63457), (9, 63421), (10, 63418), (11, 63415),

Gene: Simielle_85 Start: 63112, Stop: 62933, Start Num: 5

Candidate Starts for Simielle_85:

(2, 63163), (Start: 5 @63112 has 262 MA's), (7, 63043), (8, 62989), (9, 62953), (10, 62950), (11, 62947),

Gene: Skippy_86 Start: 63540, Stop: 63361, Start Num: 5

Candidate Starts for Skippy_86:

(Start: 5 @63540 has 262 MA's), (7, 63471), (8, 63417), (9, 63381), (10, 63378), (11, 63375),

Gene: Slatt_86 Start: 63427, Stop: 63248, Start Num: 5

Candidate Starts for Slatt_86:

(Start: 5 @63427 has 262 MA's), (7, 63358), (8, 63304), (9, 63268), (10, 63265), (11, 63262),

Gene: Soile_87 Start: 63665, Stop: 63486, Start Num: 5

Candidate Starts for Soile_87:

(Start: 5 @63665 has 262 MA's), (7, 63596), (8, 63542), (9, 63506), (10, 63503), (11, 63500),

Gene: Solosis_84 Start: 63133, Stop: 62954, Start Num: 5

Candidate Starts for Solosis_84:

(Start: 5 @63133 has 262 MA's), (7, 63064), (8, 63010), (9, 62974), (10, 62971), (11, 62968),

Gene: Sophia_84 Start: 63122, Stop: 62943, Start Num: 5

Candidate Starts for Sophia_84:

(2, 63173), (Start: 5 @63122 has 262 MA's), (7, 63053), (8, 62999), (9, 62963), (10, 62960), (11, 62957),

Gene: Soto_83 Start: 62838, Stop: 62659, Start Num: 5

Candidate Starts for Soto_83:

(Start: 5 @62838 has 262 MA's), (7, 62769), (8, 62715), (9, 62679), (10, 62676), (11, 62673),

Gene: Spartan300_85 Start: 63383, Stop: 63204, Start Num: 5

Candidate Starts for Spartan300_85:

(Start: 5 @63383 has 262 MA's), (7, 63314), (8, 63260), (9, 63224), (10, 63221), (11, 63218),

Gene: Squid_85 Start: 63412, Stop: 63233, Start Num: 5

Candidate Starts for Squid_85:

(Start: 5 @63412 has 262 MA's), (7, 63343), (8, 63289), (9, 63253), (10, 63250), (11, 63247),

Gene: Squiggle_85 Start: 63140, Stop: 62961, Start Num: 5

Candidate Starts for Squiggle_85:

(Start: 5 @63140 has 262 MA's), (7, 63071), (8, 63017), (9, 62981), (10, 62978), (11, 62975),

Gene: Struggle_86 Start: 63238, Stop: 63059, Start Num: 5

Candidate Starts for Struggle_86:

(Start: 5 @63238 has 262 MA's), (7, 63169), (8, 63115), (9, 63079), (10, 63076), (11, 63073),

Gene: Suffolk_82 Start: 63134, Stop: 62955, Start Num: 5

Candidate Starts for Suffolk_82:

(Start: 5 @63134 has 262 MA's), (7, 63065), (8, 63011), (9, 62975), (10, 62972), (11, 62969),

Gene: Surely_86 Start: 63703, Stop: 63524, Start Num: 5

Candidate Starts for Surely_86:

(Start: 5 @63703 has 262 MA's), (7, 63634), (8, 63580), (9, 63544), (10, 63541), (11, 63538),

Gene: Swiphy_90 Start: 63688, Stop: 63509, Start Num: 5

Candidate Starts for Swiphy_90:

(2, 63739), (Start: 5 @63688 has 262 MA's), (7, 63619), (8, 63565), (9, 63529), (10, 63526), (11, 63523),

Gene: Swish_87 Start: 63549, Stop: 63370, Start Num: 5

Candidate Starts for Swish_87:

(Start: 5 @63549 has 262 MA's), (7, 63480), (8, 63426), (9, 63390), (10, 63387), (11, 63384),

Gene: TallGrassMM_85 Start: 63198, Stop: 63019, Start Num: 5

Candidate Starts for TallGrassMM_85:

(Start: 5 @63198 has 262 MA's), (7, 63129), (8, 63075), (9, 63039), (10, 63036), (11, 63033),

Gene: Telesworld_84 Start: 63276, Stop: 63097, Start Num: 5

Candidate Starts for Telesworld_84:

(2, 63327), (Start: 5 @63276 has 262 MA's), (7, 63207), (8, 63153), (9, 63117), (10, 63114), (11, 63111),

Gene: Thora_84 Start: 63653, Stop: 63474, Start Num: 5

Candidate Starts for Thora_84:

(2, 63704), (Start: 5 @63653 has 262 MA's), (6, 63611), (7, 63584), (8, 63530), (9, 63494), (10, 63491), (11, 63488),

Gene: ThreeOh3D2_87 Start: 63806, Stop: 63627, Start Num: 5

Candidate Starts for ThreeOh3D2_87:

(Start: 5 @63806 has 262 MA's), (7, 63737), (8, 63683), (9, 63647), (10, 63644), (11, 63641),

Gene: Thunderbird_86 Start: 63395, Stop: 63216, Start Num: 5

Candidate Starts for Thunderbird_86:

(Start: 5 @63395 has 262 MA's), (7, 63326), (8, 63272), (9, 63236), (10, 63233), (11, 63230),

Gene: Timmi_85 Start: 63169, Stop: 62990, Start Num: 5

Candidate Starts for Timmi_85:

(Start: 5 @63169 has 262 MA's), (7, 63100), (8, 63046), (9, 63010), (10, 63007), (11, 63004),

Gene: TomBombadil_86 Start: 63696, Stop: 63517, Start Num: 5

Candidate Starts for TomBombadil_86:

(Start: 5 @63696 has 262 MA's), (7, 63627), (8, 63573), (9, 63537), (10, 63534), (11, 63531),

Gene: Tomlarah_87 Start: 64003, Stop: 63824, Start Num: 5

Candidate Starts for Tomlarah_87:

(2, 64054), (Start: 5 @64003 has 262 MA's), (7, 63934), (8, 63880), (9, 63844), (10, 63841), (11, 63838),

Gene: Toni_85 Start: 63599, Stop: 63420, Start Num: 5

Candidate Starts for Toni_85:

(2, 63650), (Start: 5 @63599 has 262 MA's), (7, 63530), (8, 63476), (9, 63440), (10, 63437), (11, 63434),

Gene: Tooj_83 Start: 62812, Stop: 62633, Start Num: 5
Candidate Starts for Tooj_83:
(Start: 5 @62812 has 262 MA's), (7, 62743), (8, 62689), (9, 62653), (10, 62650), (11, 62647),

Gene: True_84 Start: 63145, Stop: 62966, Start Num: 5
Candidate Starts for True_84:
(Start: 5 @63145 has 262 MA's), (7, 63076), (8, 63022), (9, 62986), (10, 62983), (11, 62980),

Gene: Trypo_86 Start: 63867, Stop: 63688, Start Num: 5
Candidate Starts for Trypo_86:
(Start: 5 @63867 has 262 MA's), (7, 63798), (8, 63744), (9, 63708), (10, 63705), (11, 63702),

Gene: TyrionL_86 Start: 63229, Stop: 63050, Start Num: 5
Candidate Starts for TyrionL_86:
(Start: 5 @63229 has 262 MA's), (7, 63160), (8, 63106), (9, 63070), (10, 63067), (11, 63064),

Gene: UAch1_87 Start: 63496, Stop: 63317, Start Num: 5
Candidate Starts for UAch1_87:
(Start: 5 @63496 has 262 MA's), (7, 63427), (8, 63373), (9, 63337), (10, 63334), (11, 63331),

Gene: UncleHowie_82 Start: 62833, Stop: 62654, Start Num: 5
Candidate Starts for UncleHowie_82:
(Start: 5 @62833 has 262 MA's), (7, 62764), (8, 62710), (9, 62674), (10, 62671), (11, 62668),

Gene: Usavi_87 Start: 63993, Stop: 63814, Start Num: 5
Candidate Starts for Usavi_87:
(Start: 5 @63993 has 262 MA's), (7, 63924), (8, 63870), (9, 63834), (10, 63831), (11, 63828),

Gene: Vaishali24_87 Start: 63602, Stop: 63423, Start Num: 5
Candidate Starts for Vaishali24_87:
(Start: 5 @63602 has 262 MA's), (7, 63533), (8, 63479), (9, 63443), (10, 63440), (11, 63437),

Gene: Valjean_85 Start: 63387, Stop: 63208, Start Num: 5
Candidate Starts for Valjean_85:
(Start: 5 @63387 has 262 MA's), (7, 63318), (8, 63264), (9, 63228), (10, 63225), (11, 63222),

Gene: Vaticameos_83 Start: 61702, Stop: 61523, Start Num: 5
Candidate Starts for Vaticameos_83:
(Start: 5 @61702 has 262 MA's), (7, 61633), (8, 61579), (9, 61543), (10, 61540), (11, 61537),

Gene: Veritas_85 Start: 63310, Stop: 63131, Start Num: 5
Candidate Starts for Veritas_85:
(Start: 5 @63310 has 262 MA's), (7, 63241), (8, 63187), (9, 63151), (10, 63148), (11, 63145),

Gene: Virapocalypse_87 Start: 63495, Stop: 63316, Start Num: 5
Candidate Starts for Virapocalypse_87:
(Start: 5 @63495 has 262 MA's), (7, 63426), (8, 63372), (9, 63336), (10, 63333), (11, 63330),

Gene: Virgeve_84 Start: 63115, Stop: 62936, Start Num: 5
Candidate Starts for Virgeve_84:
(2, 63166), (Start: 5 @63115 has 262 MA's), (7, 63046), (8, 62992), (9, 62956), (10, 62953), (11, 62950),

Gene: Vista_85 Start: 63309, Stop: 63130, Start Num: 5
Candidate Starts for Vista_85:
(2, 63360), (Start: 5 @63309 has 262 MA's), (7, 63240), (8, 63186), (9, 63150), (10, 63147), (11, 63144),

Gene: Vivaldi_86 Start: 63574, Stop: 63395, Start Num: 5
Candidate Starts for Vivaldi_86:
(Start: 5 @63574 has 262 MA's), (7, 63505), (8, 63451), (9, 63415), (10, 63412), (11, 63409),

Gene: Vortex_84 Start: 63415, Stop: 63236, Start Num: 5
Candidate Starts for Vortex_84:
(Start: 5 @63415 has 262 MA's), (7, 63346), (8, 63292), (9, 63256), (10, 63253), (11, 63250),

Gene: Wallhey_87 Start: 63416, Stop: 63237, Start Num: 5
Candidate Starts for Wallhey_87:
(Start: 5 @63416 has 262 MA's), (7, 63347), (8, 63293), (9, 63257), (10, 63254), (11, 63251),

Gene: Waterdiva_87 Start: 63683, Stop: 63504, Start Num: 5
Candidate Starts for Waterdiva_87:
(2, 63734), (Start: 5 @63683 has 262 MA's), (7, 63614), (8, 63560), (9, 63524), (10, 63521), (11, 63518),

Gene: Weher20_83 Start: 63753, Stop: 63574, Start Num: 5
Candidate Starts for Weher20_83:
(Start: 5 @63753 has 262 MA's), (7, 63684), (8, 63630), (9, 63594), (10, 63591), (11, 63588),

Gene: Windsor_86 Start: 63698, Stop: 63519, Start Num: 5
Candidate Starts for Windsor_86:
(Start: 5 @63698 has 262 MA's), (7, 63629), (8, 63575), (9, 63539), (10, 63536), (11, 63533),

Gene: Xavier_85 Start: 63307, Stop: 63128, Start Num: 5
Candidate Starts for Xavier_85:
(Start: 5 @63307 has 262 MA's), (7, 63238), (8, 63184), (9, 63148), (10, 63145), (11, 63142),

Gene: Yoshand_87 Start: 63533, Stop: 63354, Start Num: 5
Candidate Starts for Yoshand_87:
(2, 63584), (Start: 5 @63533 has 262 MA's), (7, 63464), (8, 63410), (9, 63374), (10, 63371), (11, 63368),

Gene: YouGoGlencoco_86 Start: 63423, Stop: 63244, Start Num: 5
Candidate Starts for YouGoGlencoco_86:
(2, 63474), (Start: 5 @63423 has 262 MA's), (7, 63354), (8, 63300), (9, 63264), (10, 63261), (11, 63258),

Gene: Zaider_87 Start: 63797, Stop: 63618, Start Num: 5
Candidate Starts for Zaider_87:
(Start: 5 @63797 has 262 MA's), (7, 63728), (8, 63674), (9, 63638), (10, 63635), (11, 63632),

Gene: Zelda_86 Start: 63754, Stop: 63575, Start Num: 5
Candidate Starts for Zelda_86:
(2, 63805), (Start: 5 @63754 has 262 MA's), (7, 63685), (8, 63631), (9, 63595), (10, 63592), (11, 63589),

Gene: Zonia_86 Start: 63864, Stop: 63685, Start Num: 5

Candidate Starts for Zonia_86:

(Start: 5 @63864 has 262 MA's), (7, 63795), (8, 63741), (9, 63705), (10, 63702), (11, 63699),