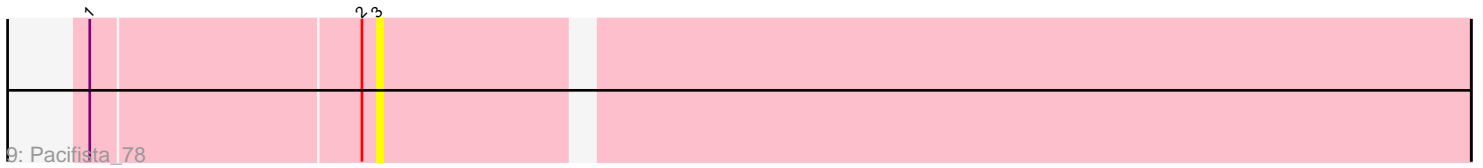
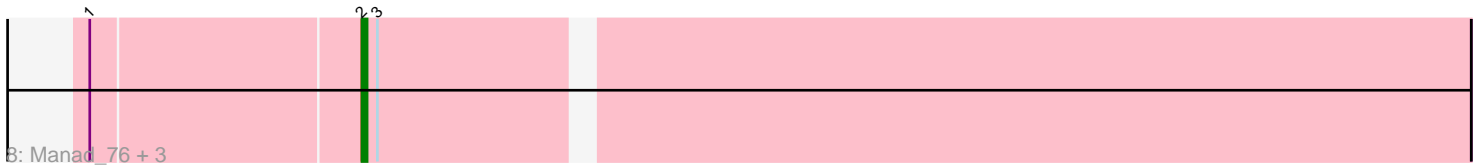
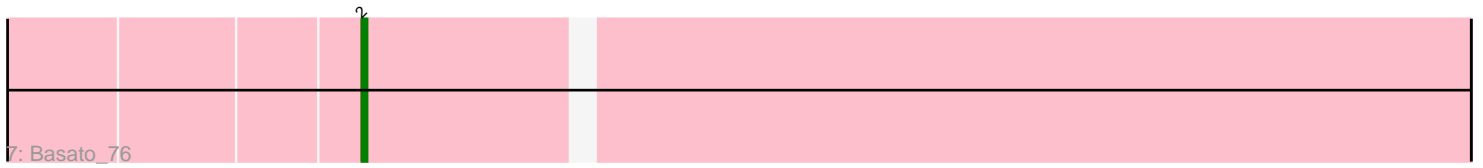
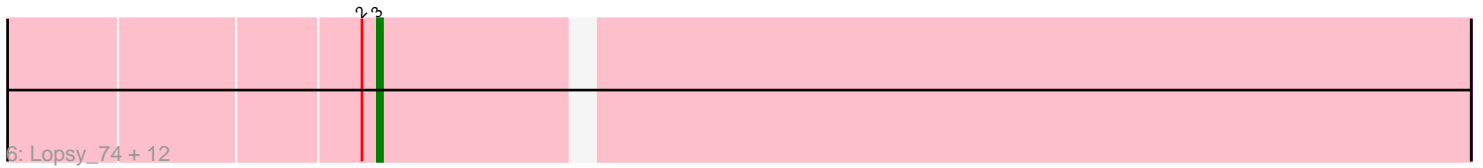
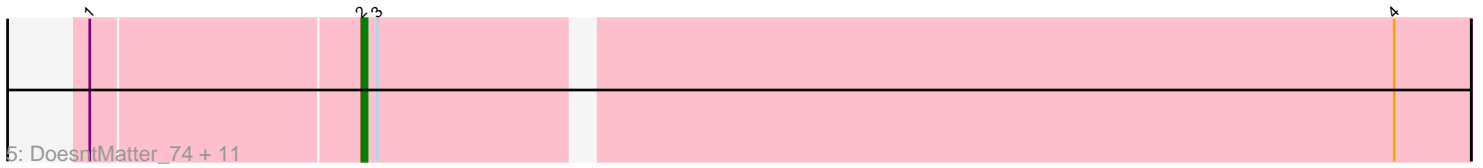
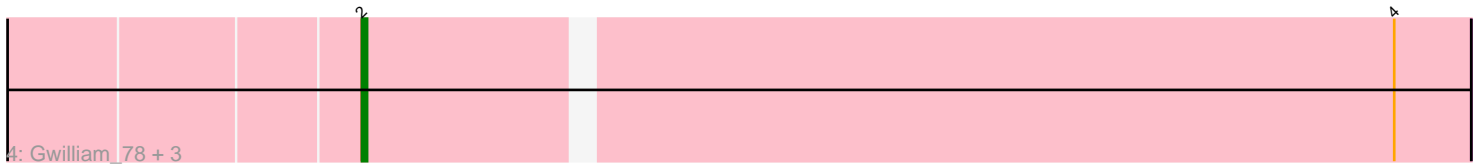
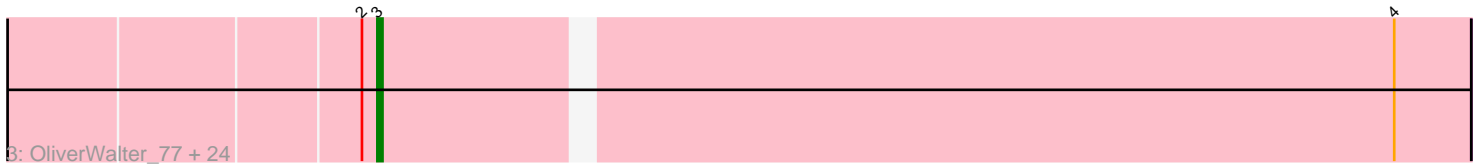
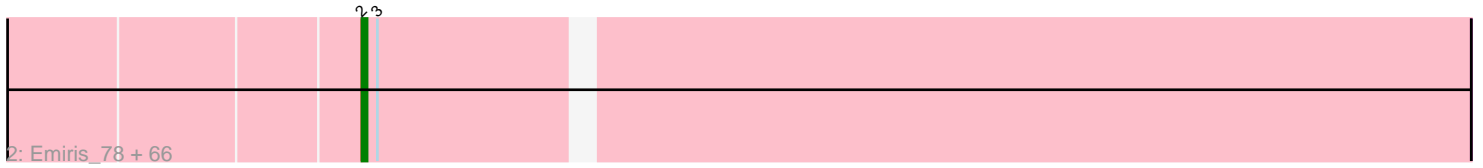
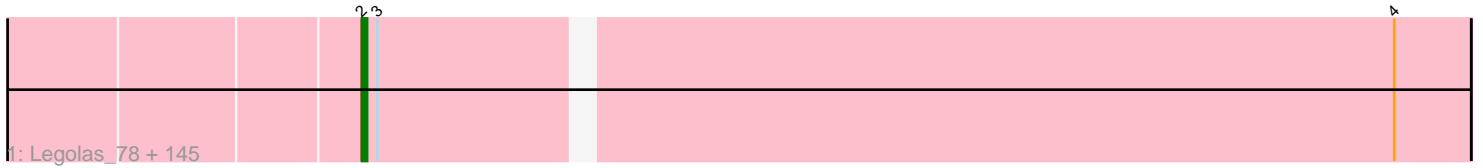


Pham 235



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 235 Report

This analysis was run 07/09/24 on database version 566.

Pham number 235 has 273 members, 21 are drafts.

Phages represented in each track:

- Track 1 : Legolas_78, BatteryCK_75, Potter_73, LemonSlice_77, Boehler_76, JangoPhett_75, KingVeVeVe_75, FluffyNinja_78, Vaticameos_74, ImtiyazSitla_78, PhatLouie_79, Phareon_75, Virgeve_75, Horchata_74, Toni_77, Inverness_75, LeiMonet_79, Nacho_0080, DonSanchon_73, MrPhizzler_76, FriarPreacher_75, Zelda_77, ShiVal_75, Badfish_78, Eugenia_78, EmpTee_76, KLucky39_75, Murdoc_74, IsaacEli_79, Serendipity_77, Eremos_76, Mag7_75, Dingo_74, Durga_79, Gyarad_0076, Beaglebox_74, Katniss_79, Doddsville_75, Squid_76, HSavage_75, HighStump_78, TallGrassMM_76, Brilliant_80, LasagnaCat_78, Chute_77, Jiraiya_80, Apizium_76, CampRoach_78, Lasso_76, Tooj_74, SDcharge11_76, Phleuron_75, Gareth_77, PhrodoBaggins_79, Duggie_77, Nyala_76, Dice_77, KlimbOn_76, Cornobble_75, MichaelPhcott_75, Harvey_74, MRabcd_77, Suffolk_74, Xavier_77, JacAttac_77, ProfessorX_75, Kwadwo_76, Kailash_75, OSmaximus_77, Tomlarah_78, Kikipoo_79, Telesworld_75, Chah_79, Swiphy_80, True_75, Nicole21_78, Veritas_76, GeneCoco_78, Schueller_76, SassyCat97_75, Wallhey_78, Grand2040_75, Kahve_78, Coletti_79, Mikota_74, Chorkpop_78, RedMaple_77, DuchessDung_75, Daka_79, Morgushi_75, Timmi_76, Jiminy_77, Solosis_75, Freya_74, MitKao_77, Phunky_75, Iridoclysis_76, Hetaeria_77, Banjo_74, Virapocalypse_78, Selr12_78, Gophee_77, PhatCats2014_78, Megamind20_77, Hamish_74, Crownjwl_75, Newman_75, Bishoperium_77, Trypo_78, Burr_77, Maskar_78, Held_75, Mana_75, JakeO_78, Cher_77, Puhltonio_75, Mecca_77, Sheila_73, Simielle_76, Schadenfreude_77, Struggle_77, Olive_75, UAch1_78, Mcshane_76, UncleHowie_74, BlackStallion_78, Pops_75, Haleema_76, Thunderbird_77, Fozzie_75, Ashraf_78, Olak_77, Magic8_76, Usavi_78, MiniBoss_74, Kloppinator_77, Rimu_80, Soto_74, Kwksand96_78, Pherdinand_78, Mulan_76, Sigman_77, Inchworm_78, LostAndPhound_76, Daffy_76, Prickles_78
- Track 2 : Emiris_78, Roy17_75, Vista_76, Bluephacebaby_76, ThreeOh3D2_79, Matalotodo_77, Orwigg_77, Windsor_77, Pipsqueak_74, Cobra_77, Fang_78, Charles1_78, LeeLot_76, Podrick_76, Skippy_78, Mutante_78, PhenghisKhan_77, CamL_77, PinheadLarry_76, Lulwa_74, Robyn_78, CharlieGBrown_75, Thora_76, Placalicious_76, Phergie_77, Jillium_78, Cosmolli16_79, Labeouficaum_77, TyrionL_77, Mosaic_75, ABU_76, Quisquiliae_79, Chaelin_78, Haimas_75, Carthage_77, Phipps_76, Megatron_78, Numberten_76, PG1_77, KingTut_68, QueenBeane_77, Hertubise_77, Waterdiva_78, Surely_77, Hocus_75, PhrankReynolds_76, Valjean_76, Mesh1_78, Hartsy_76, Plmatters_75, Samaymay_77, Morty_78, Lego3393_75, Anderson_79, FugateOSU_77, Lumine_78, Derpp_77, Vaishali24_78, Buckeye_77, Oosterbaan_77, Lulumae_74, Oline_76,

Phamished_77, Scoot17C_78, Serpentine_0078, MelsMeow_76, Piglet_0077

- Track 3 : OliverWalter_77, Melc17_74, Giraffe_77, DelRivs_75, YouGoGlencoco_77, Dati_74, Frankicide_76, LuckyMarjie_74, Roscoe_77, DaddyDaniels_80, Spartan300_76, Altwerkus_76, Dione_75, Sophia_75, Roliet_74, Omniscient_78, JDog_76, Adriana_77, Kimbrough_78, Riggan_78, Zaider_78, Orion_77, HenryJackson_78, Soile_78, DirtJuice_77
- Track 4 : Gwilliam_78, Colbert_75, AbsoluteMadLad_76, Chunky_77
- Track 5 : DoesntMatter_74, Yoshand_78, Vivaldi_77, Zonia_78, Aelin_76, Andre_78, Swish_78, Fringe_81, Vortex_76, Antonia_76, Pinkman_77, BlueHusk_78
- Track 6 : Lopsy_74, Etaye_76, Slatt_77, TomBombadil_77, Keitherie_80, Maru_77, Cannibal_78, Childish_77, Scrick_76, Weher20_74, Ricotta_74, Craff_79, Orfeu_76
- Track 7 : Basato_76
- Track 8 : Manad_76, Squiggle_76, Longacauda_78, AltPhacts_75
- Track 9 : Pacifista_78

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

The start number called the most often in the published annotations is 2, it was called in 216 of the 252 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_76, AbsoluteMadLad_76, Aelin_76, AltPhacts_75, Anderson_79, Andre_78, Antonia_76, Apizium_76, Ashraf_78, Badfish_78, Banjo_74, Basato_76, BatteryCK_75, Beaglebox_74, Bishoperium_77, BlackStallion_78, BlueHusk_78, Bluephacebaby_76, Boehler_76, Brilliant_80, Buckeye_77, Burr_77, CamL_77, CampRoach_78, Carthage_77, Chaelin_78, Chah_79, Charles1_78, CharlieGBrown_75, Cher_77, Chorkpop_78, Chunky_77, Chute_77, Cobra_77, Colbert_75, Coletti_79, Cornobble_75, Cosmolli16_79, Crownjwl_75, Daffy_76, Daka_79, Derpp_77, Dice_77, Dingo_74, Doddsville_75, DoesntMatter_74, DonSanchon_73, DuchessDung_75, Duggie_77, Durga_79, Emiris_78, EmpTee_76, Eremos_76, Eugenia_78, Fang_78, FluffyNinja_78, Fozzie_75, Freya_74, FriarPreacher_75, Fringe_81, FugateOSU_77, Gareth_77, GeneCoco_78, Gophee_77, Grand2040_75, Gwilliam_78, Gyarad_0076, HSavage_75, Haimas_75, Haleema_76, Hamish_74, Hartsy_76, Harvey_74, Held_75, Hertubise_77, Hetaeria_77, HighStump_78, Hocus_75, Horchata_74, ImtiyazSitla_78, Inchworm_78, Inverness_75, Iridoclysis_76, IsaacEli_79, JacAttac_77, JakeO_78, JangoPhett_75, Jillium_78, Jiminy_77, Jiraiya_80, KLucky39_75, Kahve_78, Kailash_75, Katniss_79, Kikipoo_79, KingTut_68, KingVeVeVe_75, KlimbOn_76, Kloppinator_77, Kwadwo_76, Kwksand96_78, Labeouficaum_77, LasagnaCat_78, Lasso_76, LeeLot_76, Lego3393_75, Legolas_78, LeiMonet_79, LemonSlice_77, Longacauda_78, LostAndPhound_76, Lulumae_74, Lulwa_74, Lumine_78, MRabcd_77, Mag7_75, Magic8_76, Mana_75, Manad_76, Maskar_78, Matalotodo_77, Mcshane_76, Mecca_77, Megamind20_77, Megatron_78, MelsMeow_76, Mesh1_78, MichaelPhcott_75, Mikota_74, MiniBoss_74, MitKao_77, Morgushi_75, Morty_78, Mosaic_75, MrPhizzler_76, Mulan_76, Murdoc_74, Mutante_78, Nacho_0080, Newman_75, Nicole21_78, Numberten_76, Nyala_76, OSmaximus_77, Olak_77, Oline_76, Olive_75, Oosterbaan_77, Orwigg_77, PG1_77, Phamished_77, Phareon_75, PhatCats2014_78, PhatLouie_79, PhenghisKhan_77, Pherdinand_78, Phergie_77, Phipps_76, Phleuron_75, PhrankReynolds_76, PhrodoBaggins_79, Phunky_75, Piglet_0077, PinheadLarry_76, Pinkman_77,

Pipsqueak_74, Placalicious_76, Plmatters_75, Podrick_76, Pops_75, Potter_73, Prickles_78, ProfessorX_75, Puhltonio_75, QueenBeane_77, Quisquillae_79, RedMaple_77, Rimu_80, Robyn_78, Roy17_75, SDcharge11_76, Samaymay_77, SassyCat97_75, Schadenfreude_77, Schueller_76, Scoot17C_78, Selr12_78, Serendipity_77, Serpentine_0078, Sheila_73, ShiVal_75, Sigman_77, Simielle_76, Skippy_78, Solosis_75, Soto_74, Squid_76, Squiggle_76, Struggle_77, Suffolk_74, Surely_77, Swiphy_80, Swish_78, TallGrassMM_76, Telesworld_75, Thora_76, ThreeOh3D2_79, Thunderbird_77, Timmi_76, Tomlarah_78, Toni_77, Tooj_74, True_75, Trypo_78, TyrionL_77, UAch1_78, UncleHowie_74, Usavi_78, Vaishali24_78, Valjean_76, Vaticameos_74, Veritas_76, Virapocalypse_78, Virgeve_75, Vista_76, Vivaldi_77, Vortex_76, Wallhey_78, Waterdiva_78, Windsor_77, Xavier_77, Yoshand_78, Zelda_77, Zonia_78,

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

- Adriana_77, Altwerkus_76, Cannibal_78, Childish_77, Craff_79, DaddyDaniels_80, Dati_74, DelRivs_75, Dione_75, DirtJuice_77, Etaye_76, Frankicide_76, Giraffe_77, HenryJackson_78, JDog_76, Keitherie_80, Kimbrough_78, Lopsy_74, LuckyMarjie_74, Maru_77, Melc17_74, OliverWalter_77, Omniscient_78, Orfeu_76, Orion_77, Pacifista_78, Ricotta_74, Riggan_78, Roliet_74, Roscoe_77, Scrick_76, Slatt_77, Soile_78, Sophia_75, Spartan300_76, TomBombadil_77, Weher20_74, YouGoGlencoco_77, Zaider_78,

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

-

Summary by start number:

Start 2:

- Found in 273 of 273 (100.0%) of genes in pham
- Manual Annotations of this start: 216 of 252
- Called 85.7% of time when present
- Phage (with cluster) where this start called: ABU_76 (B1), AbsoluteMadLad_76 (B1), Aelin_76 (B1), AltPhacts_75 (B1), Anderson_79 (B1), Andre_78 (B1), Antonia_76 (B1), Apizium_76 (B1), Ashraf_78 (B1), Badfish_78 (B1), Banjo_74 (B1), Basato_76 (B1), BatteryCK_75 (B1), Beaglebox_74 (B1), Bishoperium_77 (B1), BlackStallion_78 (B1), BlueHusk_78 (B1), Bluephacebaby_76 (B1), Boehler_76 (B1), Brilliant_80 (B1), Buckeye_77 (B1), Burr_77 (B1), CamL_77 (B1), CampRoach_78 (B1), Carthage_77 (B1), Chaelin_78 (B1), Chah_79 (B1), Charles1_78 (B1), CharlieGBrown_75 (B1), Cher_77 (B1), Chorkpop_78 (B1), Chunky_77 (B1), Chute_77 (B1), Cobra_77 (B1), Colbert_75 (B1), Coletti_79 (B1), Cornobble_75 (B1), Cosmolli16_79 (B1), Crownjwl_75 (B1), Daffy_76 (B1), Daka_79 (B1), Derpp_77 (B1), Dice_77 (B1), Dingo_74 (B1), Doddsville_75 (B1), DoesntMatter_74 (B1), DonSanchon_73 (B1), DuchessDung_75 (B1), Duggie_77 (B1), Durga_79 (B1), Emiris_78 (B1), EmpTee_76 (B1), Eremos_76 (B1), Eugenia_78 (B1), Fang_78 (B1), FluffyNinja_78 (B1), Fozzie_75 (B1), Freya_74 (B1), FriarPreacher_75 (B1), Fringe_81 (B1), FugateOSU_77 (B1), Gareth_77 (B1), GeneCoco_78 (B1), Gophee_77 (B1), Grand2040_75 (B1), Gwilliam_78 (B1), Gyarad_0076 (B1), HSavage_75 (B1), Haimas_75 (B1), Haleema_76 (B1), Hamish_74 (B1), Hartsy_76 (B1), Harvey_74 (B1), Held_75 (B1), Hertubise_77 (B1), Hetaeria_77 (B1), HighStump_78 (B1), Hocus_75 (B1), Horchata_74 (B1), ImtiyazSitla_78 (B1), Inchworm_78 (B1), Inverness_75 (B1), Iridoclysis_76 (B1), IsaacEli_79 (B1), JacAttac_77 (B1), JakeO_78 (B1), JangoPhett_75 (B1), Jillium_78 (B1), Jiminy_77 (B1), Jiraiya_80 (B1), KLUcky39_75 (B1), Kahve_78 (B1), Kailash_75 (B1),

Katniss_79 (B1), Kikipoo_79 (B1), KingTut_68 (B1), KingVeVeVe_75 (B1), KlimbOn_76 (B1), Kloppinator_77 (B1), Kwadwo_76 (B1), Kwksand96_78 (B1), Labeouficaum_77 (B1), LasagnaCat_78 (B1), Lasso_76 (B1), LeeLot_76 (B1), Lego3393_75 (B1), Legolas_78 (B1), LeiMonet_79 (B1), LemonSlice_77 (B1), Longacauda_78 (B1), LostAndPhound_76 (B1), Lulumae_74 (B1), Lulwa_74 (B1), Lumine_78 (B1), MRabcd_77 (B1), Mag7_75 (B1), Magic8_76 (B1), Mana_75 (B1), Manad_76 (B1), Maskar_78 (B1), Matalotodo_77 (B1), Mcshane_76 (B1), Mecca_77 (B1), Megamind20_77 (B1), Megatron_78 (B1), MelsMeow_76 (B1), Mesh1_78 (B1), MichaelPhcott_75 (B1), Mikota_74 (B1), MiniBoss_74 (B1), MitKao_77 (B1), Morgushi_75 (B1), Morty_78 (B1), Mosaic_75 (B1), MrPhizzler_76 (B1), Mulan_76 (B1), Murdoc_74 (B1), Mutante_78 (B1), Nacho_0080 (B1), Newman_75 (B1), Nicole21_78 (B1), Numberten_76 (B1), Nyala_76 (B1), OSmaximus_77 (B1), Olak_77 (B1), Oline_76 (B1), Olive_75 (B1), Oosterbaan_77 (B1), Orwigg_77 (B1), PG1_77 (B1), Phamished_77 (B1), Phareon_75 (B1), PhatCats2014_78 (B1), PhatLouie_79 (B1), PhenghisKhan_77 (B1), Pherdinand_78 (B1), Phergie_77 (B1), Phipps_76 (B1), Phleuron_75 (B1), PhrankReynolds_76 (B1), PhrodoBaggins_79 (B1), Phunky_75 (B1), Piglet_0077 (B1), PinheadLarry_76 (B1), Pinkman_77 (B1), Pipsqueak_74 (B1), Placalicious_76 (B1), Plmatters_75 (B1), Podrick_76 (B1), Pops_75 (B1), Potter_73 (B1), Prickles_78 (B1), ProfessorX_75 (B1), Puhltonio_75 (B1), QueenBeane_77 (B1), Quisquillae_79 (B1), RedMaple_77 (B1), Rimu_80 (B1), Robyn_78 (B1), Roy17_75 (B1), SDcharge11_76 (B1), Samaymay_77 (B1), SassyCat97_75 (B1), Schadenfreude_77 (B1), Schueller_76 (B1), Scoot17C_78 (B1), Selr12_78 (B1), Serendipity_77 (B1), Serpentine_0078 (B1), Sheila_73 (B1), ShiVal_75 (B1), Sigman_77 (B1), Simielle_76 (B1), Skippy_78 (B1), Solosis_75 (B1), Soto_74 (B1), Squid_76 (B1), Squiggle_76 (B1), Struggle_77 (B1), Suffolk_74 (B1), Surely_77 (B1), Swiphy_80 (B1), Swish_78 (B1), TallGrassMM_76 (B1), Telesworld_75 (B1), Thora_76 (B1), ThreeOh3D2_79 (B1), Thunderbird_77 (B1), Timmi_76 (B1), Tomlarah_78 (B1), Toni_77 (B1), Tooj_74 (B1), True_75 (B1), Trypo_78 (B1), TyrionL_77 (B1), UAch1_78 (B1), UncleHowie_74 (B1), Usavi_78 (B1), Vaishali24_78 (B1), Valjean_76 (B1), Vaticameos_74 (B1), Veritas_76 (B1), Virapocalypse_78 (B1), Virgeve_75 (B1), Vista_76 (B1), Vivaldi_77 (B1), Vortex_76 (B1), Wallhey_78 (B1), Waterdiva_78 (B1), Windsor_77 (B1), Xavier_77 (B1), Yoshand_78 (B1), Zelda_77 (B1), Zonia_78 (B1),

Start 3:

- Found in 268 of 273 (98.2%) of genes in pham
- Manual Annotations of this start: 36 of 252
- Called 14.6% of time when present
- Phage (with cluster) where this start called: Adriana_77 (B1), Altwerkus_76 (B1), Cannibal_78 (B1), Childish_77 (B1), Craff_79 (B1), DaddyDaniels_80 (B1), Dati_74 (B1), DelRivs_75 (B1), Dione_75 (B1), DirtJuice_77 (B1), Etaye_76 (B1), Frankicide_76 (B1), Giraffe_77 (B1), HenryJackson_78 (B1), JDog_76 (B1), Keitherie_80 (B1), Kimbrough_78 (B1), Lopsy_74 (B1), LuckyMarjie_74 (B1), Maru_77 (B1), Melc17_74 (B1), OliverWalter_77 (B1), Omniscient_78 (B1), Orfeu_76 (B1), Orion_77 (B1), Pacifista_78 (B1), Ricotta_74 (B1), Riggan_78 (B1), Roliet_74 (B1), Roscoe_77 (B1), Scrick_76 (B1), Slatt_77 (B1), Soile_78 (B1), Sophia_75 (B1), Spartan300_76 (B1), TomBombadil_77 (B1), Weher20_74 (B1), YouGoGlencoco_77 (B1), Zaider_78 (B1),

Summary by clusters:

There is one cluster represented in this pham: B1

Info for manual annotations of cluster B1:

- Start number 2 was manually annotated 216 times for cluster B1.
- Start number 3 was manually annotated 36 times for cluster B1.

Gene Information:

Gene: ABU_76 Start: 61271, Stop: 61062, Start Num: 2

Candidate Starts for ABU_76:

(Start: 2 @61271 has 216 MA's), (Start: 3 @61268 has 36 MA's),

Gene: AbsoluteMadLad_76 Start: 61225, Stop: 61016, Start Num: 2

Candidate Starts for AbsoluteMadLad_76:

(Start: 2 @61225 has 216 MA's), (4, 61030),

Gene: Adriana_77 Start: 61802, Stop: 61596, Start Num: 3

Candidate Starts for Adriana_77:

(Start: 2 @61805 has 216 MA's), (Start: 3 @61802 has 36 MA's), (4, 61610),

Gene: Aelin_76 Start: 60748, Stop: 60539, Start Num: 2

Candidate Starts for Aelin_76:

(1, 60799), (Start: 2 @60748 has 216 MA's), (Start: 3 @60745 has 36 MA's), (4, 60553),

Gene: AltPhacts_75 Start: 60313, Stop: 60104, Start Num: 2

Candidate Starts for AltPhacts_75:

(1, 60364), (Start: 2 @60313 has 216 MA's), (Start: 3 @60310 has 36 MA's),

Gene: Altwerkus_76 Start: 60586, Stop: 60380, Start Num: 3

Candidate Starts for Altwerkus_76:

(Start: 2 @60589 has 216 MA's), (Start: 3 @60586 has 36 MA's), (4, 60394),

Gene: Anderson_79 Start: 61147, Stop: 60938, Start Num: 2

Candidate Starts for Anderson_79:

(Start: 2 @61147 has 216 MA's), (Start: 3 @61144 has 36 MA's),

Gene: Andre_78 Start: 61164, Stop: 60955, Start Num: 2

Candidate Starts for Andre_78:

(1, 61215), (Start: 2 @61164 has 216 MA's), (Start: 3 @61161 has 36 MA's), (4, 60969),

Gene: Antonia_76 Start: 60792, Stop: 60583, Start Num: 2

Candidate Starts for Antonia_76:

(1, 60843), (Start: 2 @60792 has 216 MA's), (Start: 3 @60789 has 36 MA's), (4, 60597),

Gene: Apizium_76 Start: 60427, Stop: 60218, Start Num: 2

Candidate Starts for Apizium_76:

(Start: 2 @60427 has 216 MA's), (Start: 3 @60424 has 36 MA's), (4, 60232),

Gene: Ashraf_78 Start: 61140, Stop: 60931, Start Num: 2

Candidate Starts for Ashraf_78:

(Start: 2 @61140 has 216 MA's), (Start: 3 @61137 has 36 MA's), (4, 60945),

Gene: Badfish_78 Start: 61445, Stop: 61236, Start Num: 2

Candidate Starts for Badfish_78:
(Start: 2 @61445 has 216 MA's), (Start: 3 @61442 has 36 MA's), (4, 61250),

Gene: Banjo_74 Start: 60734, Stop: 60525, Start Num: 2
Candidate Starts for Banjo_74:
(Start: 2 @60734 has 216 MA's), (Start: 3 @60731 has 36 MA's), (4, 60539),

Gene: Basato_76 Start: 61007, Stop: 60798, Start Num: 2
Candidate Starts for Basato_76:
(Start: 2 @61007 has 216 MA's),

Gene: BatteryCK_75 Start: 60707, Stop: 60498, Start Num: 2
Candidate Starts for BatteryCK_75:
(Start: 2 @60707 has 216 MA's), (Start: 3 @60704 has 36 MA's), (4, 60512),

Gene: Beaglebox_74 Start: 60845, Stop: 60636, Start Num: 2
Candidate Starts for Beaglebox_74:
(Start: 2 @60845 has 216 MA's), (Start: 3 @60842 has 36 MA's), (4, 60650),

Gene: Bishoperium_77 Start: 61286, Stop: 61077, Start Num: 2
Candidate Starts for Bishoperium_77:
(Start: 2 @61286 has 216 MA's), (Start: 3 @61283 has 36 MA's), (4, 61091),

Gene: BlackStallion_78 Start: 61154, Stop: 60945, Start Num: 2
Candidate Starts for BlackStallion_78:
(Start: 2 @61154 has 216 MA's), (Start: 3 @61151 has 36 MA's), (4, 60959),

Gene: BlueHusk_78 Start: 60781, Stop: 60572, Start Num: 2
Candidate Starts for BlueHusk_78:
(1, 60832), (Start: 2 @60781 has 216 MA's), (Start: 3 @60778 has 36 MA's), (4, 60586),

Gene: Bluephacebaby_76 Start: 61320, Stop: 61111, Start Num: 2
Candidate Starts for Bluephacebaby_76:
(Start: 2 @61320 has 216 MA's), (Start: 3 @61317 has 36 MA's),

Gene: Boehler_76 Start: 60937, Stop: 60728, Start Num: 2
Candidate Starts for Boehler_76:
(Start: 2 @60937 has 216 MA's), (Start: 3 @60934 has 36 MA's), (4, 60742),

Gene: Brilliant_80 Start: 61300, Stop: 61091, Start Num: 2
Candidate Starts for Brilliant_80:
(Start: 2 @61300 has 216 MA's), (Start: 3 @61297 has 36 MA's), (4, 61105),

Gene: Buckeye_77 Start: 61834, Stop: 61625, Start Num: 2
Candidate Starts for Buckeye_77:
(Start: 2 @61834 has 216 MA's), (Start: 3 @61831 has 36 MA's),

Gene: Burr_77 Start: 60752, Stop: 60543, Start Num: 2
Candidate Starts for Burr_77:
(Start: 2 @60752 has 216 MA's), (Start: 3 @60749 has 36 MA's), (4, 60557),

Gene: CamL_77 Start: 61061, Stop: 60852, Start Num: 2
Candidate Starts for CamL_77:

(Start: 2 @61061 has 216 MA's), (Start: 3 @61058 has 36 MA's),

Gene: CampRoach_78 Start: 61167, Stop: 60958, Start Num: 2

Candidate Starts for CampRoach_78:

(Start: 2 @61167 has 216 MA's), (Start: 3 @61164 has 36 MA's), (4, 60972),

Gene: Cannibal_78 Start: 61171, Stop: 60965, Start Num: 3

Candidate Starts for Cannibal_78:

(Start: 2 @61174 has 216 MA's), (Start: 3 @61171 has 36 MA's),

Gene: Carthage_77 Start: 60642, Stop: 60433, Start Num: 2

Candidate Starts for Carthage_77:

(Start: 2 @60642 has 216 MA's), (Start: 3 @60639 has 36 MA's),

Gene: Chaelin_78 Start: 61301, Stop: 61092, Start Num: 2

Candidate Starts for Chaelin_78:

(Start: 2 @61301 has 216 MA's), (Start: 3 @61298 has 36 MA's),

Gene: Chah_79 Start: 60888, Stop: 60679, Start Num: 2

Candidate Starts for Chah_79:

(Start: 2 @60888 has 216 MA's), (Start: 3 @60885 has 36 MA's), (4, 60693),

Gene: Charles1_78 Start: 61076, Stop: 60867, Start Num: 2

Candidate Starts for Charles1_78:

(Start: 2 @61076 has 216 MA's), (Start: 3 @61073 has 36 MA's),

Gene: CharlieGBrown_75 Start: 60683, Stop: 60474, Start Num: 2

Candidate Starts for CharlieGBrown_75:

(Start: 2 @60683 has 216 MA's), (Start: 3 @60680 has 36 MA's),

Gene: Cher_77 Start: 61263, Stop: 61054, Start Num: 2

Candidate Starts for Cher_77:

(Start: 2 @61263 has 216 MA's), (Start: 3 @61260 has 36 MA's), (4, 61068),

Gene: Childish_77 Start: 61462, Stop: 61256, Start Num: 3

Candidate Starts for Childish_77:

(Start: 2 @61465 has 216 MA's), (Start: 3 @61462 has 36 MA's),

Gene: Chorkpop_78 Start: 60927, Stop: 60718, Start Num: 2

Candidate Starts for Chorkpop_78:

(Start: 2 @60927 has 216 MA's), (Start: 3 @60924 has 36 MA's), (4, 60732),

Gene: Chunky_77 Start: 60598, Stop: 60389, Start Num: 2

Candidate Starts for Chunky_77:

(Start: 2 @60598 has 216 MA's), (4, 60403),

Gene: Chute_77 Start: 61320, Stop: 61111, Start Num: 2

Candidate Starts for Chute_77:

(Start: 2 @61320 has 216 MA's), (Start: 3 @61317 has 36 MA's), (4, 61125),

Gene: Cobra_77 Start: 61298, Stop: 61089, Start Num: 2

Candidate Starts for Cobra_77:

(Start: 2 @61298 has 216 MA's), (Start: 3 @61295 has 36 MA's),

Gene: Colbert_75 Start: 60347, Stop: 60138, Start Num: 2

Candidate Starts for Colbert_75:

(Start: 2 @60347 has 216 MA's), (4, 60152),

Gene: Coletti_79 Start: 61823, Stop: 61614, Start Num: 2

Candidate Starts for Coletti_79:

(Start: 2 @61823 has 216 MA's), (Start: 3 @61820 has 36 MA's), (4, 61628),

Gene: Cornobble_75 Start: 60785, Stop: 60576, Start Num: 2

Candidate Starts for Cornobble_75:

(Start: 2 @60785 has 216 MA's), (Start: 3 @60782 has 36 MA's), (4, 60590),

Gene: Cosmolli16_79 Start: 61643, Stop: 61434, Start Num: 2

Candidate Starts for Cosmolli16_79:

(Start: 2 @61643 has 216 MA's), (Start: 3 @61640 has 36 MA's),

Gene: Craff_79 Start: 61683, Stop: 61477, Start Num: 3

Candidate Starts for Craff_79:

(Start: 2 @61686 has 216 MA's), (Start: 3 @61683 has 36 MA's),

Gene: Crownjwl_75 Start: 60777, Stop: 60568, Start Num: 2

Candidate Starts for Crownjwl_75:

(Start: 2 @60777 has 216 MA's), (Start: 3 @60774 has 36 MA's), (4, 60582),

Gene: DaddyDaniels_80 Start: 61406, Stop: 61200, Start Num: 3

Candidate Starts for DaddyDaniels_80:

(Start: 2 @61409 has 216 MA's), (Start: 3 @61406 has 36 MA's), (4, 61214),

Gene: Daffy_76 Start: 60912, Stop: 60703, Start Num: 2

Candidate Starts for Daffy_76:

(Start: 2 @60912 has 216 MA's), (Start: 3 @60909 has 36 MA's), (4, 60717),

Gene: Daka_79 Start: 61270, Stop: 61061, Start Num: 2

Candidate Starts for Daka_79:

(Start: 2 @61270 has 216 MA's), (Start: 3 @61267 has 36 MA's), (4, 61075),

Gene: Dati_74 Start: 61082, Stop: 60876, Start Num: 3

Candidate Starts for Dati_74:

(Start: 2 @61085 has 216 MA's), (Start: 3 @61082 has 36 MA's), (4, 60890),

Gene: DelRivs_75 Start: 60722, Stop: 60516, Start Num: 3

Candidate Starts for DelRivs_75:

(Start: 2 @60725 has 216 MA's), (Start: 3 @60722 has 36 MA's), (4, 60530),

Gene: Derpp_77 Start: 60832, Stop: 60623, Start Num: 2

Candidate Starts for Derpp_77:

(Start: 2 @60832 has 216 MA's), (Start: 3 @60829 has 36 MA's),

Gene: Dice_77 Start: 60750, Stop: 60541, Start Num: 2

Candidate Starts for Dice_77:

(Start: 2 @60750 has 216 MA's), (Start: 3 @60747 has 36 MA's), (4, 60555),

Gene: Dingo_74 Start: 60304, Stop: 60095, Start Num: 2
Candidate Starts for Dingo_74:
(Start: 2 @60304 has 216 MA's), (Start: 3 @60301 has 36 MA's), (4, 60109),

Gene: Dione_75 Start: 60484, Stop: 60278, Start Num: 3
Candidate Starts for Dione_75:
(Start: 2 @60487 has 216 MA's), (Start: 3 @60484 has 36 MA's), (4, 60292),

Gene: DirtJuice_77 Start: 61052, Stop: 60846, Start Num: 3
Candidate Starts for DirtJuice_77:
(Start: 2 @61055 has 216 MA's), (Start: 3 @61052 has 36 MA's), (4, 60860),

Gene: Doddsville_75 Start: 60797, Stop: 60588, Start Num: 2
Candidate Starts for Doddsville_75:
(Start: 2 @60797 has 216 MA's), (Start: 3 @60794 has 36 MA's), (4, 60602),

Gene: DoesntMatter_74 Start: 60774, Stop: 60565, Start Num: 2
Candidate Starts for DoesntMatter_74:
(1, 60825), (Start: 2 @60774 has 216 MA's), (Start: 3 @60771 has 36 MA's), (4, 60579),

Gene: DonSanchon_73 Start: 60435, Stop: 60226, Start Num: 2
Candidate Starts for DonSanchon_73:
(Start: 2 @60435 has 216 MA's), (Start: 3 @60432 has 36 MA's), (4, 60240),

Gene: DuchessDung_75 Start: 60313, Stop: 60104, Start Num: 2
Candidate Starts for DuchessDung_75:
(Start: 2 @60313 has 216 MA's), (Start: 3 @60310 has 36 MA's), (4, 60118),

Gene: Duggie_77 Start: 61054, Stop: 60845, Start Num: 2
Candidate Starts for Duggie_77:
(Start: 2 @61054 has 216 MA's), (Start: 3 @61051 has 36 MA's), (4, 60859),

Gene: Durga_79 Start: 61534, Stop: 61325, Start Num: 2
Candidate Starts for Durga_79:
(Start: 2 @61534 has 216 MA's), (Start: 3 @61531 has 36 MA's), (4, 61339),

Gene: Emiris_78 Start: 61447, Stop: 61238, Start Num: 2
Candidate Starts for Emiris_78:
(Start: 2 @61447 has 216 MA's), (Start: 3 @61444 has 36 MA's),

Gene: EmpTee_76 Start: 60994, Stop: 60785, Start Num: 2
Candidate Starts for EmpTee_76:
(Start: 2 @60994 has 216 MA's), (Start: 3 @60991 has 36 MA's), (4, 60799),

Gene: Eremos_76 Start: 60965, Stop: 60756, Start Num: 2
Candidate Starts for Eremos_76:
(Start: 2 @60965 has 216 MA's), (Start: 3 @60962 has 36 MA's), (4, 60770),

Gene: Etaye_76 Start: 61623, Stop: 61417, Start Num: 3
Candidate Starts for Etaye_76:
(Start: 2 @61626 has 216 MA's), (Start: 3 @61623 has 36 MA's),

Gene: Eugenia_78 Start: 61579, Stop: 61370, Start Num: 2

Candidate Starts for Eugenia_78:
(Start: 2 @61579 has 216 MA's), (Start: 3 @61576 has 36 MA's), (4, 61384),

Gene: Fang_78 Start: 61286, Stop: 61077, Start Num: 2
Candidate Starts for Fang_78:
(Start: 2 @61286 has 216 MA's), (Start: 3 @61283 has 36 MA's),

Gene: FluffyNinja_78 Start: 61155, Stop: 60946, Start Num: 2
Candidate Starts for FluffyNinja_78:
(Start: 2 @61155 has 216 MA's), (Start: 3 @61152 has 36 MA's), (4, 60960),

Gene: Fozzie_75 Start: 61485, Stop: 61273, Start Num: 2
Candidate Starts for Fozzie_75:
(Start: 2 @61485 has 216 MA's), (Start: 3 @61482 has 36 MA's), (4, 61287),

Gene: Frankicide_76 Start: 60961, Stop: 60755, Start Num: 3
Candidate Starts for Frankicide_76:
(Start: 2 @60964 has 216 MA's), (Start: 3 @60961 has 36 MA's), (4, 60769),

Gene: Freya_74 Start: 60456, Stop: 60247, Start Num: 2
Candidate Starts for Freya_74:
(Start: 2 @60456 has 216 MA's), (Start: 3 @60453 has 36 MA's), (4, 60261),

Gene: FriarPreacher_75 Start: 60839, Stop: 60630, Start Num: 2
Candidate Starts for FriarPreacher_75:
(Start: 2 @60839 has 216 MA's), (Start: 3 @60836 has 36 MA's), (4, 60644),

Gene: Fringe_81 Start: 61634, Stop: 61425, Start Num: 2
Candidate Starts for Fringe_81:
(1, 61685), (Start: 2 @61634 has 216 MA's), (Start: 3 @61631 has 36 MA's), (4, 61439),

Gene: FugateOSU_77 Start: 61778, Stop: 61569, Start Num: 2
Candidate Starts for FugateOSU_77:
(Start: 2 @61778 has 216 MA's), (Start: 3 @61775 has 36 MA's),

Gene: Gareth_77 Start: 61285, Stop: 61076, Start Num: 2
Candidate Starts for Gareth_77:
(Start: 2 @61285 has 216 MA's), (Start: 3 @61282 has 36 MA's), (4, 61090),

Gene: GeneCoco_78 Start: 61447, Stop: 61238, Start Num: 2
Candidate Starts for GeneCoco_78:
(Start: 2 @61447 has 216 MA's), (Start: 3 @61444 has 36 MA's), (4, 61252),

Gene: Giraffe_77 Start: 61277, Stop: 61071, Start Num: 3
Candidate Starts for Giraffe_77:
(Start: 2 @61280 has 216 MA's), (Start: 3 @61277 has 36 MA's), (4, 61085),

Gene: Gophee_77 Start: 61277, Stop: 61068, Start Num: 2
Candidate Starts for Gophee_77:
(Start: 2 @61277 has 216 MA's), (Start: 3 @61274 has 36 MA's), (4, 61082),

Gene: Grand2040_75 Start: 61255, Stop: 61046, Start Num: 2
Candidate Starts for Grand2040_75:

(Start: 2 @61255 has 216 MA's), (Start: 3 @61252 has 36 MA's), (4, 61060),

Gene: Gwilliam_78 Start: 61646, Stop: 61437, Start Num: 2

Candidate Starts for Gwilliam_78:

(Start: 2 @61646 has 216 MA's), (4, 61451),

Gene: Gyarad_0076 Start: 60602, Stop: 60393, Start Num: 2

Candidate Starts for Gyarad_0076:

(Start: 2 @60602 has 216 MA's), (Start: 3 @60599 has 36 MA's), (4, 60407),

Gene: HSavage_75 Start: 60792, Stop: 60583, Start Num: 2

Candidate Starts for HSavage_75:

(Start: 2 @60792 has 216 MA's), (Start: 3 @60789 has 36 MA's), (4, 60597),

Gene: Haimas_75 Start: 60713, Stop: 60504, Start Num: 2

Candidate Starts for Haimas_75:

(Start: 2 @60713 has 216 MA's), (Start: 3 @60710 has 36 MA's),

Gene: Haleema_76 Start: 60826, Stop: 60617, Start Num: 2

Candidate Starts for Haleema_76:

(Start: 2 @60826 has 216 MA's), (Start: 3 @60823 has 36 MA's), (4, 60631),

Gene: Hamish_74 Start: 60830, Stop: 60621, Start Num: 2

Candidate Starts for Hamish_74:

(Start: 2 @60830 has 216 MA's), (Start: 3 @60827 has 36 MA's), (4, 60635),

Gene: Hartsy_76 Start: 60942, Stop: 60733, Start Num: 2

Candidate Starts for Hartsy_76:

(Start: 2 @60942 has 216 MA's), (Start: 3 @60939 has 36 MA's),

Gene: Harvey_74 Start: 60738, Stop: 60529, Start Num: 2

Candidate Starts for Harvey_74:

(Start: 2 @60738 has 216 MA's), (Start: 3 @60735 has 36 MA's), (4, 60543),

Gene: Held_75 Start: 60733, Stop: 60524, Start Num: 2

Candidate Starts for Held_75:

(Start: 2 @60733 has 216 MA's), (Start: 3 @60730 has 36 MA's), (4, 60538),

Gene: HenryJackson_78 Start: 61450, Stop: 61244, Start Num: 3

Candidate Starts for HenryJackson_78:

(Start: 2 @61453 has 216 MA's), (Start: 3 @61450 has 36 MA's), (4, 61258),

Gene: Hertubise_77 Start: 61220, Stop: 61011, Start Num: 2

Candidate Starts for Hertubise_77:

(Start: 2 @61220 has 216 MA's), (Start: 3 @61217 has 36 MA's),

Gene: Hetaeria_77 Start: 61102, Stop: 60893, Start Num: 2

Candidate Starts for Hetaeria_77:

(Start: 2 @61102 has 216 MA's), (Start: 3 @61099 has 36 MA's), (4, 60907),

Gene: HighStump_78 Start: 61238, Stop: 61029, Start Num: 2

Candidate Starts for HighStump_78:

(Start: 2 @61238 has 216 MA's), (Start: 3 @61235 has 36 MA's), (4, 61043),

Gene: Hocus_75 Start: 60755, Stop: 60546, Start Num: 2

Candidate Starts for Hocus_75:

(Start: 2 @60755 has 216 MA's), (Start: 3 @60752 has 36 MA's),

Gene: Horchata_74 Start: 60757, Stop: 60542, Start Num: 2

Candidate Starts for Horchata_74:

(Start: 2 @60757 has 216 MA's), (Start: 3 @60754 has 36 MA's), (4, 60556),

Gene: ImtiyazSitla_78 Start: 61140, Stop: 60931, Start Num: 2

Candidate Starts for ImtiyazSitla_78:

(Start: 2 @61140 has 216 MA's), (Start: 3 @61137 has 36 MA's), (4, 60945),

Gene: Inchworm_78 Start: 61127, Stop: 60918, Start Num: 2

Candidate Starts for Inchworm_78:

(Start: 2 @61127 has 216 MA's), (Start: 3 @61124 has 36 MA's), (4, 60932),

Gene: Inverness_75 Start: 60754, Stop: 60545, Start Num: 2

Candidate Starts for Inverness_75:

(Start: 2 @60754 has 216 MA's), (Start: 3 @60751 has 36 MA's), (4, 60559),

Gene: Iridoclysis_76 Start: 61038, Stop: 60829, Start Num: 2

Candidate Starts for Iridoclysis_76:

(Start: 2 @61038 has 216 MA's), (Start: 3 @61035 has 36 MA's), (4, 60843),

Gene: IsaacEli_79 Start: 61385, Stop: 61176, Start Num: 2

Candidate Starts for IsaacEli_79:

(Start: 2 @61385 has 216 MA's), (Start: 3 @61382 has 36 MA's), (4, 61190),

Gene: JDog_76 Start: 61274, Stop: 61068, Start Num: 3

Candidate Starts for JDog_76:

(Start: 2 @61277 has 216 MA's), (Start: 3 @61274 has 36 MA's), (4, 61082),

Gene: JacAttac_77 Start: 60751, Stop: 60542, Start Num: 2

Candidate Starts for JacAttac_77:

(Start: 2 @60751 has 216 MA's), (Start: 3 @60748 has 36 MA's), (4, 60556),

Gene: JakeO_78 Start: 61002, Stop: 60793, Start Num: 2

Candidate Starts for JakeO_78:

(Start: 2 @61002 has 216 MA's), (Start: 3 @60999 has 36 MA's), (4, 60807),

Gene: JangoPhett_75 Start: 61092, Stop: 60883, Start Num: 2

Candidate Starts for JangoPhett_75:

(Start: 2 @61092 has 216 MA's), (Start: 3 @61089 has 36 MA's), (4, 60897),

Gene: Jillium_78 Start: 61446, Stop: 61237, Start Num: 2

Candidate Starts for Jillium_78:

(Start: 2 @61446 has 216 MA's), (Start: 3 @61443 has 36 MA's),

Gene: Jiminy_77 Start: 60832, Stop: 60623, Start Num: 2

Candidate Starts for Jiminy_77:

(Start: 2 @60832 has 216 MA's), (Start: 3 @60829 has 36 MA's), (4, 60637),

Gene: Jiraiya_80 Start: 61037, Stop: 60828, Start Num: 2
Candidate Starts for Jiraiya_80:
(Start: 2 @61037 has 216 MA's), (Start: 3 @61034 has 36 MA's), (4, 60842),

Gene: KLucky39_75 Start: 60638, Stop: 60432, Start Num: 2
Candidate Starts for KLucky39_75:
(Start: 2 @60638 has 216 MA's), (Start: 3 @60635 has 36 MA's), (4, 60446),

Gene: Kahve_78 Start: 61451, Stop: 61242, Start Num: 2
Candidate Starts for Kahve_78:
(Start: 2 @61451 has 216 MA's), (Start: 3 @61448 has 36 MA's), (4, 61256),

Gene: Kailash_75 Start: 61151, Stop: 60942, Start Num: 2
Candidate Starts for Kailash_75:
(Start: 2 @61151 has 216 MA's), (Start: 3 @61148 has 36 MA's), (4, 60956),

Gene: Katniss_79 Start: 60887, Stop: 60678, Start Num: 2
Candidate Starts for Katniss_79:
(Start: 2 @60887 has 216 MA's), (Start: 3 @60884 has 36 MA's), (4, 60692),

Gene: Keitherie_80 Start: 61507, Stop: 61301, Start Num: 3
Candidate Starts for Keitherie_80:
(Start: 2 @61510 has 216 MA's), (Start: 3 @61507 has 36 MA's),

Gene: Kikipoo_79 Start: 61385, Stop: 61176, Start Num: 2
Candidate Starts for Kikipoo_79:
(Start: 2 @61385 has 216 MA's), (Start: 3 @61382 has 36 MA's), (4, 61190),

Gene: Kimbrough_78 Start: 61327, Stop: 61121, Start Num: 3
Candidate Starts for Kimbrough_78:
(Start: 2 @61330 has 216 MA's), (Start: 3 @61327 has 36 MA's), (4, 61135),

Gene: KingTut_68 Start: 57501, Stop: 57289, Start Num: 2
Candidate Starts for KingTut_68:
(Start: 2 @57501 has 216 MA's), (Start: 3 @57498 has 36 MA's),

Gene: KingVeVeVe_75 Start: 60291, Stop: 60082, Start Num: 2
Candidate Starts for KingVeVeVe_75:
(Start: 2 @60291 has 216 MA's), (Start: 3 @60288 has 36 MA's), (4, 60096),

Gene: KlimbOn_76 Start: 60765, Stop: 60556, Start Num: 2
Candidate Starts for KlimbOn_76:
(Start: 2 @60765 has 216 MA's), (Start: 3 @60762 has 36 MA's), (4, 60570),

Gene: Kloppinator_77 Start: 60922, Stop: 60713, Start Num: 2
Candidate Starts for Kloppinator_77:
(Start: 2 @60922 has 216 MA's), (Start: 3 @60919 has 36 MA's), (4, 60727),

Gene: Kwadwo_76 Start: 60757, Stop: 60548, Start Num: 2
Candidate Starts for Kwadwo_76:
(Start: 2 @60757 has 216 MA's), (Start: 3 @60754 has 36 MA's), (4, 60562),

Gene: Kwksand96_78 Start: 61021, Stop: 60812, Start Num: 2

Candidate Starts for Kwksand96_78:
(Start: 2 @61021 has 216 MA's), (Start: 3 @61018 has 36 MA's), (4, 60826),

Gene: Labeouficaum_77 Start: 60832, Stop: 60623, Start Num: 2
Candidate Starts for Labeouficaum_77:
(Start: 2 @60832 has 216 MA's), (Start: 3 @60829 has 36 MA's),

Gene: LasagnaCat_78 Start: 61136, Stop: 60927, Start Num: 2
Candidate Starts for LasagnaCat_78:
(Start: 2 @61136 has 216 MA's), (Start: 3 @61133 has 36 MA's), (4, 60941),

Gene: Lasso_76 Start: 60987, Stop: 60778, Start Num: 2
Candidate Starts for Lasso_76:
(Start: 2 @60987 has 216 MA's), (Start: 3 @60984 has 36 MA's), (4, 60792),

Gene: LeeLot_76 Start: 61341, Stop: 61132, Start Num: 2
Candidate Starts for LeeLot_76:
(Start: 2 @61341 has 216 MA's), (Start: 3 @61338 has 36 MA's),

Gene: Lego3393_75 Start: 61458, Stop: 61249, Start Num: 2
Candidate Starts for Lego3393_75:
(Start: 2 @61458 has 216 MA's), (Start: 3 @61455 has 36 MA's),

Gene: Legolas_78 Start: 61079, Stop: 60870, Start Num: 2
Candidate Starts for Legolas_78:
(Start: 2 @61079 has 216 MA's), (Start: 3 @61076 has 36 MA's), (4, 60884),

Gene: LeiMonet_79 Start: 61217, Stop: 61008, Start Num: 2
Candidate Starts for LeiMonet_79:
(Start: 2 @61217 has 216 MA's), (Start: 3 @61214 has 36 MA's), (4, 61022),

Gene: LemonSlice_77 Start: 60734, Stop: 60525, Start Num: 2
Candidate Starts for LemonSlice_77:
(Start: 2 @60734 has 216 MA's), (Start: 3 @60731 has 36 MA's), (4, 60539),

Gene: Longacauda_78 Start: 61115, Stop: 60906, Start Num: 2
Candidate Starts for Longacauda_78:
(1, 61166), (Start: 2 @61115 has 216 MA's), (Start: 3 @61112 has 36 MA's),

Gene: Lopsy_74 Start: 60438, Stop: 60232, Start Num: 3
Candidate Starts for Lopsy_74:
(Start: 2 @60441 has 216 MA's), (Start: 3 @60438 has 36 MA's),

Gene: LostAndPhound_76 Start: 61287, Stop: 61078, Start Num: 2
Candidate Starts for LostAndPhound_76:
(Start: 2 @61287 has 216 MA's), (Start: 3 @61284 has 36 MA's), (4, 61092),

Gene: LuckyMarjie_74 Start: 60493, Stop: 60287, Start Num: 3
Candidate Starts for LuckyMarjie_74:
(Start: 2 @60496 has 216 MA's), (Start: 3 @60493 has 36 MA's), (4, 60301),

Gene: Lulumae_74 Start: 60477, Stop: 60268, Start Num: 2
Candidate Starts for Lulumae_74:

(Start: 2 @60477 has 216 MA's), (Start: 3 @60474 has 36 MA's),

Gene: Lulwa_74 Start: 60109, Stop: 59900, Start Num: 2

Candidate Starts for Lulwa_74:

(Start: 2 @60109 has 216 MA's), (Start: 3 @60106 has 36 MA's),

Gene: Lumine_78 Start: 60935, Stop: 60726, Start Num: 2

Candidate Starts for Lumine_78:

(Start: 2 @60935 has 216 MA's), (Start: 3 @60932 has 36 MA's),

Gene: MRabcd_77 Start: 61212, Stop: 61003, Start Num: 2

Candidate Starts for MRabcd_77:

(Start: 2 @61212 has 216 MA's), (Start: 3 @61209 has 36 MA's), (4, 61017),

Gene: Mag7_75 Start: 60695, Stop: 60486, Start Num: 2

Candidate Starts for Mag7_75:

(Start: 2 @60695 has 216 MA's), (Start: 3 @60692 has 36 MA's), (4, 60500),

Gene: Magic8_76 Start: 61059, Stop: 60850, Start Num: 2

Candidate Starts for Magic8_76:

(Start: 2 @61059 has 216 MA's), (Start: 3 @61056 has 36 MA's), (4, 60864),

Gene: Mana_75 Start: 60900, Stop: 60691, Start Num: 2

Candidate Starts for Mana_75:

(Start: 2 @60900 has 216 MA's), (Start: 3 @60897 has 36 MA's), (4, 60705),

Gene: Manad_76 Start: 61029, Stop: 60820, Start Num: 2

Candidate Starts for Manad_76:

(1, 61080), (Start: 2 @61029 has 216 MA's), (Start: 3 @61026 has 36 MA's),

Gene: Maru_77 Start: 61337, Stop: 61131, Start Num: 3

Candidate Starts for Maru_77:

(Start: 2 @61340 has 216 MA's), (Start: 3 @61337 has 36 MA's),

Gene: Maskar_78 Start: 61140, Stop: 60931, Start Num: 2

Candidate Starts for Maskar_78:

(Start: 2 @61140 has 216 MA's), (Start: 3 @61137 has 36 MA's), (4, 60945),

Gene: Matalotodo_77 Start: 61740, Stop: 61531, Start Num: 2

Candidate Starts for Matalotodo_77:

(Start: 2 @61740 has 216 MA's), (Start: 3 @61737 has 36 MA's),

Gene: Mcshane_76 Start: 60758, Stop: 60549, Start Num: 2

Candidate Starts for Mcshane_76:

(Start: 2 @60758 has 216 MA's), (Start: 3 @60755 has 36 MA's), (4, 60563),

Gene: Mecca_77 Start: 61311, Stop: 61102, Start Num: 2

Candidate Starts for Mecca_77:

(Start: 2 @61311 has 216 MA's), (Start: 3 @61308 has 36 MA's), (4, 61116),

Gene: Megamind20_77 Start: 60740, Stop: 60531, Start Num: 2

Candidate Starts for Megamind20_77:

(Start: 2 @60740 has 216 MA's), (Start: 3 @60737 has 36 MA's), (4, 60545),

Gene: Megatron_78 Start: 61430, Stop: 61221, Start Num: 2

Candidate Starts for Megatron_78:

(Start: 2 @61430 has 216 MA's), (Start: 3 @61427 has 36 MA's),

Gene: Melc17_74 Start: 61364, Stop: 61158, Start Num: 3

Candidate Starts for Melc17_74:

(Start: 2 @61367 has 216 MA's), (Start: 3 @61364 has 36 MA's), (4, 61172),

Gene: MelsMeow_76 Start: 61020, Stop: 60811, Start Num: 2

Candidate Starts for MelsMeow_76:

(Start: 2 @61020 has 216 MA's), (Start: 3 @61017 has 36 MA's),

Gene: Mesh1_78 Start: 61476, Stop: 61267, Start Num: 2

Candidate Starts for Mesh1_78:

(Start: 2 @61476 has 216 MA's), (Start: 3 @61473 has 36 MA's),

Gene: MichaelPhcott_75 Start: 60692, Stop: 60483, Start Num: 2

Candidate Starts for MichaelPhcott_75:

(Start: 2 @60692 has 216 MA's), (Start: 3 @60689 has 36 MA's), (4, 60497),

Gene: Mikota_74 Start: 60289, Stop: 60080, Start Num: 2

Candidate Starts for Mikota_74:

(Start: 2 @60289 has 216 MA's), (Start: 3 @60286 has 36 MA's), (4, 60094),

Gene: MiniBoss_74 Start: 60064, Stop: 59855, Start Num: 2

Candidate Starts for MiniBoss_74:

(Start: 2 @60064 has 216 MA's), (Start: 3 @60061 has 36 MA's), (4, 59869),

Gene: MitKao_77 Start: 60912, Stop: 60703, Start Num: 2

Candidate Starts for MitKao_77:

(Start: 2 @60912 has 216 MA's), (Start: 3 @60909 has 36 MA's), (4, 60717),

Gene: Morgushi_75 Start: 60727, Stop: 60518, Start Num: 2

Candidate Starts for Morgushi_75:

(Start: 2 @60727 has 216 MA's), (Start: 3 @60724 has 36 MA's), (4, 60532),

Gene: Morty_78 Start: 61321, Stop: 61112, Start Num: 2

Candidate Starts for Morty_78:

(Start: 2 @61321 has 216 MA's), (Start: 3 @61318 has 36 MA's),

Gene: Mosaic_75 Start: 60905, Stop: 60696, Start Num: 2

Candidate Starts for Mosaic_75:

(Start: 2 @60905 has 216 MA's), (Start: 3 @60902 has 36 MA's),

Gene: MrPhizzler_76 Start: 61206, Stop: 60997, Start Num: 2

Candidate Starts for MrPhizzler_76:

(Start: 2 @61206 has 216 MA's), (Start: 3 @61203 has 36 MA's), (4, 61011),

Gene: Mulan_76 Start: 60952, Stop: 60743, Start Num: 2

Candidate Starts for Mulan_76:

(Start: 2 @60952 has 216 MA's), (Start: 3 @60949 has 36 MA's), (4, 60757),

Gene: Murdoc_74 Start: 61016, Stop: 60807, Start Num: 2
Candidate Starts for Murdoc_74:
(Start: 2 @61016 has 216 MA's), (Start: 3 @61013 has 36 MA's), (4, 60821),

Gene: Mutante_78 Start: 60915, Stop: 60706, Start Num: 2
Candidate Starts for Mutante_78:
(Start: 2 @60915 has 216 MA's), (Start: 3 @60912 has 36 MA's),

Gene: Nacho_0080 Start: 61811, Stop: 61602, Start Num: 2
Candidate Starts for Nacho_0080:
(Start: 2 @61811 has 216 MA's), (Start: 3 @61808 has 36 MA's), (4, 61616),

Gene: Newman_75 Start: 61088, Stop: 60879, Start Num: 2
Candidate Starts for Newman_75:
(Start: 2 @61088 has 216 MA's), (Start: 3 @61085 has 36 MA's), (4, 60893),

Gene: Nicole21_78 Start: 61047, Stop: 60838, Start Num: 2
Candidate Starts for Nicole21_78:
(Start: 2 @61047 has 216 MA's), (Start: 3 @61044 has 36 MA's), (4, 60852),

Gene: Numberten_76 Start: 61027, Stop: 60818, Start Num: 2
Candidate Starts for Numberten_76:
(Start: 2 @61027 has 216 MA's), (Start: 3 @61024 has 36 MA's),

Gene: Nyala_76 Start: 60765, Stop: 60556, Start Num: 2
Candidate Starts for Nyala_76:
(Start: 2 @60765 has 216 MA's), (Start: 3 @60762 has 36 MA's), (4, 60570),

Gene: OSmaximus_77 Start: 61721, Stop: 61512, Start Num: 2
Candidate Starts for OSmaximus_77:
(Start: 2 @61721 has 216 MA's), (Start: 3 @61718 has 36 MA's), (4, 61526),

Gene: Olak_77 Start: 60918, Stop: 60709, Start Num: 2
Candidate Starts for Olak_77:
(Start: 2 @60918 has 216 MA's), (Start: 3 @60915 has 36 MA's), (4, 60723),

Gene: Oline_76 Start: 60918, Stop: 60709, Start Num: 2
Candidate Starts for Oline_76:
(Start: 2 @60918 has 216 MA's), (Start: 3 @60915 has 36 MA's),

Gene: Olive_75 Start: 60984, Stop: 60775, Start Num: 2
Candidate Starts for Olive_75:
(Start: 2 @60984 has 216 MA's), (Start: 3 @60981 has 36 MA's), (4, 60789),

Gene: OliverWalter_77 Start: 61234, Stop: 61028, Start Num: 3
Candidate Starts for OliverWalter_77:
(Start: 2 @61237 has 216 MA's), (Start: 3 @61234 has 36 MA's), (4, 61042),

Gene: Omniscient_78 Start: 61616, Stop: 61410, Start Num: 3
Candidate Starts for Omniscient_78:
(Start: 2 @61619 has 216 MA's), (Start: 3 @61616 has 36 MA's), (4, 61424),

Gene: Oosterbaan_77 Start: 61156, Stop: 60947, Start Num: 2

Candidate Starts for Oosterbaan_77:

(Start: 2 @61156 has 216 MA's), (Start: 3 @61153 has 36 MA's),

Gene: Orfeu_76 Start: 61275, Stop: 61069, Start Num: 3

Candidate Starts for Orfeu_76:

(Start: 2 @61278 has 216 MA's), (Start: 3 @61275 has 36 MA's),

Gene: Orion_77 Start: 60862, Stop: 60656, Start Num: 3

Candidate Starts for Orion_77:

(Start: 2 @60865 has 216 MA's), (Start: 3 @60862 has 36 MA's), (4, 60670),

Gene: Orwigg_77 Start: 60705, Stop: 60496, Start Num: 2

Candidate Starts for Orwigg_77:

(Start: 2 @60705 has 216 MA's), (Start: 3 @60702 has 36 MA's),

Gene: PG1_77 Start: 61437, Stop: 61228, Start Num: 2

Candidate Starts for PG1_77:

(Start: 2 @61437 has 216 MA's), (Start: 3 @61434 has 36 MA's),

Gene: Pacifista_78 Start: 60764, Stop: 60558, Start Num: 3

Candidate Starts for Pacifista_78:

(1, 60818), (Start: 2 @60767 has 216 MA's), (Start: 3 @60764 has 36 MA's),

Gene: Phamished_77 Start: 60936, Stop: 60727, Start Num: 2

Candidate Starts for Phamished_77:

(Start: 2 @60936 has 216 MA's), (Start: 3 @60933 has 36 MA's),

Gene: Phareon_75 Start: 60455, Stop: 60246, Start Num: 2

Candidate Starts for Phareon_75:

(Start: 2 @60455 has 216 MA's), (Start: 3 @60452 has 36 MA's), (4, 60260),

Gene: PhatCats2014_78 Start: 61441, Stop: 61232, Start Num: 2

Candidate Starts for PhatCats2014_78:

(Start: 2 @61441 has 216 MA's), (Start: 3 @61438 has 36 MA's), (4, 61246),

Gene: PhatLouie_79 Start: 61290, Stop: 61081, Start Num: 2

Candidate Starts for PhatLouie_79:

(Start: 2 @61290 has 216 MA's), (Start: 3 @61287 has 36 MA's), (4, 61095),

Gene: PhenghisKhan_77 Start: 60910, Stop: 60701, Start Num: 2

Candidate Starts for PhenghisKhan_77:

(Start: 2 @60910 has 216 MA's), (Start: 3 @60907 has 36 MA's),

Gene: Pherdinand_78 Start: 61157, Stop: 60948, Start Num: 2

Candidate Starts for Pherdinand_78:

(Start: 2 @61157 has 216 MA's), (Start: 3 @61154 has 36 MA's), (4, 60962),

Gene: Phergie_77 Start: 60902, Stop: 60693, Start Num: 2

Candidate Starts for Phergie_77:

(Start: 2 @60902 has 216 MA's), (Start: 3 @60899 has 36 MA's),

Gene: Phipps_76 Start: 60992, Stop: 60783, Start Num: 2

Candidate Starts for Phipps_76:

(Start: 2 @60992 has 216 MA's), (Start: 3 @60989 has 36 MA's),

Gene: Phleuron_75 Start: 60725, Stop: 60516, Start Num: 2

Candidate Starts for Phleuron_75:

(Start: 2 @60725 has 216 MA's), (Start: 3 @60722 has 36 MA's), (4, 60530),

Gene: PhrankReynolds_76 Start: 60907, Stop: 60698, Start Num: 2

Candidate Starts for PhrankReynolds_76:

(Start: 2 @60907 has 216 MA's), (Start: 3 @60904 has 36 MA's),

Gene: PhrodoBaggins_79 Start: 61297, Stop: 61088, Start Num: 2

Candidate Starts for PhrodoBaggins_79:

(Start: 2 @61297 has 216 MA's), (Start: 3 @61294 has 36 MA's), (4, 61102),

Gene: Phunky_75 Start: 60788, Stop: 60579, Start Num: 2

Candidate Starts for Phunky_75:

(Start: 2 @60788 has 216 MA's), (Start: 3 @60785 has 36 MA's), (4, 60593),

Gene: Piglet_0077 Start: 61414, Stop: 61205, Start Num: 2

Candidate Starts for Piglet_0077:

(Start: 2 @61414 has 216 MA's), (Start: 3 @61411 has 36 MA's),

Gene: PinheadLarry_76 Start: 61065, Stop: 60856, Start Num: 2

Candidate Starts for PinheadLarry_76:

(Start: 2 @61065 has 216 MA's), (Start: 3 @61062 has 36 MA's),

Gene: Pinkman_77 Start: 61015, Stop: 60806, Start Num: 2

Candidate Starts for Pinkman_77:

(1, 61066), (Start: 2 @61015 has 216 MA's), (Start: 3 @61012 has 36 MA's), (4, 60820),

Gene: Pipsqueak_74 Start: 60745, Stop: 60536, Start Num: 2

Candidate Starts for Pipsqueak_74:

(Start: 2 @60745 has 216 MA's), (Start: 3 @60742 has 36 MA's),

Gene: Placalicious_76 Start: 61780, Stop: 61571, Start Num: 2

Candidate Starts for Placalicious_76:

(Start: 2 @61780 has 216 MA's), (Start: 3 @61777 has 36 MA's),

Gene: Plmatters_75 Start: 60742, Stop: 60533, Start Num: 2

Candidate Starts for Plmatters_75:

(Start: 2 @60742 has 216 MA's), (Start: 3 @60739 has 36 MA's),

Gene: Podrick_76 Start: 60826, Stop: 60617, Start Num: 2

Candidate Starts for Podrick_76:

(Start: 2 @60826 has 216 MA's), (Start: 3 @60823 has 36 MA's),

Gene: Pops_75 Start: 60754, Stop: 60545, Start Num: 2

Candidate Starts for Pops_75:

(Start: 2 @60754 has 216 MA's), (Start: 3 @60751 has 36 MA's), (4, 60559),

Gene: Potter_73 Start: 60747, Stop: 60538, Start Num: 2

Candidate Starts for Potter_73:

(Start: 2 @60747 has 216 MA's), (Start: 3 @60744 has 36 MA's), (4, 60552),

Gene: Prickles_78 Start: 61269, Stop: 61060, Start Num: 2
Candidate Starts for Prickles_78:
(Start: 2 @61269 has 216 MA's), (Start: 3 @61266 has 36 MA's), (4, 61074),

Gene: ProfessorX_75 Start: 60785, Stop: 60576, Start Num: 2
Candidate Starts for ProfessorX_75:
(Start: 2 @60785 has 216 MA's), (Start: 3 @60782 has 36 MA's), (4, 60590),

Gene: Puhltonio_75 Start: 61014, Stop: 60805, Start Num: 2
Candidate Starts for Puhltonio_75:
(Start: 2 @61014 has 216 MA's), (Start: 3 @61011 has 36 MA's), (4, 60819),

Gene: QueenBeane_77 Start: 61061, Stop: 60852, Start Num: 2
Candidate Starts for QueenBeane_77:
(Start: 2 @61061 has 216 MA's), (Start: 3 @61058 has 36 MA's),

Gene: Quisquilliae_79 Start: 61082, Stop: 60873, Start Num: 2
Candidate Starts for Quisquilliae_79:
(Start: 2 @61082 has 216 MA's), (Start: 3 @61079 has 36 MA's),

Gene: RedMaple_77 Start: 61508, Stop: 61299, Start Num: 2
Candidate Starts for RedMaple_77:
(Start: 2 @61508 has 216 MA's), (Start: 3 @61505 has 36 MA's), (4, 61313),

Gene: Ricotta_74 Start: 60749, Stop: 60543, Start Num: 3
Candidate Starts for Ricotta_74:
(Start: 2 @60752 has 216 MA's), (Start: 3 @60749 has 36 MA's),

Gene: Riggan_78 Start: 61074, Stop: 60868, Start Num: 3
Candidate Starts for Riggan_78:
(Start: 2 @61077 has 216 MA's), (Start: 3 @61074 has 36 MA's), (4, 60882),

Gene: Rimu_80 Start: 61227, Stop: 61018, Start Num: 2
Candidate Starts for Rimu_80:
(Start: 2 @61227 has 216 MA's), (Start: 3 @61224 has 36 MA's), (4, 61032),

Gene: Robyn_78 Start: 61330, Stop: 61121, Start Num: 2
Candidate Starts for Robyn_78:
(Start: 2 @61330 has 216 MA's), (Start: 3 @61327 has 36 MA's),

Gene: Roliet_74 Start: 60109, Stop: 59903, Start Num: 3
Candidate Starts for Roliet_74:
(Start: 2 @60112 has 216 MA's), (Start: 3 @60109 has 36 MA's), (4, 59917),

Gene: Roscoe_77 Start: 61194, Stop: 60988, Start Num: 3
Candidate Starts for Roscoe_77:
(Start: 2 @61197 has 216 MA's), (Start: 3 @61194 has 36 MA's), (4, 61002),

Gene: Roy17_75 Start: 60477, Stop: 60268, Start Num: 2
Candidate Starts for Roy17_75:
(Start: 2 @60477 has 216 MA's), (Start: 3 @60474 has 36 MA's),

Gene: SDcharge11_76 Start: 60230, Stop: 60021, Start Num: 2
Candidate Starts for SDcharge11_76:
(Start: 2 @60230 has 216 MA's), (Start: 3 @60227 has 36 MA's), (4, 60035),

Gene: Samaymay_77 Start: 61061, Stop: 60852, Start Num: 2
Candidate Starts for Samaymay_77:
(Start: 2 @61061 has 216 MA's), (Start: 3 @61058 has 36 MA's),

Gene: SassyCat97_75 Start: 60739, Stop: 60530, Start Num: 2
Candidate Starts for SassyCat97_75:
(Start: 2 @60739 has 216 MA's), (Start: 3 @60736 has 36 MA's), (4, 60544),

Gene: Schadenfreude_77 Start: 60650, Stop: 60441, Start Num: 2
Candidate Starts for Schadenfreude_77:
(Start: 2 @60650 has 216 MA's), (Start: 3 @60647 has 36 MA's), (4, 60455),

Gene: Schueller_76 Start: 61012, Stop: 60803, Start Num: 2
Candidate Starts for Schueller_76:
(Start: 2 @61012 has 216 MA's), (Start: 3 @61009 has 36 MA's), (4, 60817),

Gene: Scoot17C_78 Start: 60868, Stop: 60659, Start Num: 2
Candidate Starts for Scoot17C_78:
(Start: 2 @60868 has 216 MA's), (Start: 3 @60865 has 36 MA's),

Gene: Scrick_76 Start: 60747, Stop: 60541, Start Num: 3
Candidate Starts for Scrick_76:
(Start: 2 @60750 has 216 MA's), (Start: 3 @60747 has 36 MA's),

Gene: Selr12_78 Start: 60794, Stop: 60585, Start Num: 2
Candidate Starts for Selr12_78:
(Start: 2 @60794 has 216 MA's), (Start: 3 @60791 has 36 MA's), (4, 60599),

Gene: Serendipity_77 Start: 61222, Stop: 61013, Start Num: 2
Candidate Starts for Serendipity_77:
(Start: 2 @61222 has 216 MA's), (Start: 3 @61219 has 36 MA's), (4, 61027),

Gene: Serpentine_0078 Start: 61306, Stop: 61097, Start Num: 2
Candidate Starts for Serpentine_0078:
(Start: 2 @61306 has 216 MA's), (Start: 3 @61303 has 36 MA's),

Gene: Sheila_73 Start: 60143, Stop: 59934, Start Num: 2
Candidate Starts for Sheila_73:
(Start: 2 @60143 has 216 MA's), (Start: 3 @60140 has 36 MA's), (4, 59948),

Gene: ShiVal_75 Start: 60777, Stop: 60568, Start Num: 2
Candidate Starts for ShiVal_75:
(Start: 2 @60777 has 216 MA's), (Start: 3 @60774 has 36 MA's), (4, 60582),

Gene: Sigman_77 Start: 60751, Stop: 60542, Start Num: 2
Candidate Starts for Sigman_77:
(Start: 2 @60751 has 216 MA's), (Start: 3 @60748 has 36 MA's), (4, 60556),

Gene: Simielle_76 Start: 60719, Stop: 60510, Start Num: 2

Candidate Starts for Simielle_76:
(Start: 2 @60719 has 216 MA's), (Start: 3 @60716 has 36 MA's), (4, 60524),

Gene: Skippy_78 Start: 61147, Stop: 60938, Start Num: 2
Candidate Starts for Skippy_78:
(Start: 2 @61147 has 216 MA's), (Start: 3 @61144 has 36 MA's),

Gene: Slatt_77 Start: 61031, Stop: 60825, Start Num: 3
Candidate Starts for Slatt_77:
(Start: 2 @61034 has 216 MA's), (Start: 3 @61031 has 36 MA's),

Gene: Soile_78 Start: 61268, Stop: 61062, Start Num: 3
Candidate Starts for Soile_78:
(Start: 2 @61271 has 216 MA's), (Start: 3 @61268 has 36 MA's), (4, 61076),

Gene: Solosis_75 Start: 60738, Stop: 60529, Start Num: 2
Candidate Starts for Solosis_75:
(Start: 2 @60738 has 216 MA's), (Start: 3 @60735 has 36 MA's), (4, 60543),

Gene: Sophia_75 Start: 60725, Stop: 60519, Start Num: 3
Candidate Starts for Sophia_75:
(Start: 2 @60728 has 216 MA's), (Start: 3 @60725 has 36 MA's), (4, 60533),

Gene: Soto_74 Start: 60271, Stop: 60062, Start Num: 2
Candidate Starts for Soto_74:
(Start: 2 @60271 has 216 MA's), (Start: 3 @60268 has 36 MA's), (4, 60076),

Gene: Spartan300_76 Start: 60986, Stop: 60780, Start Num: 3
Candidate Starts for Spartan300_76:
(Start: 2 @60989 has 216 MA's), (Start: 3 @60986 has 36 MA's), (4, 60794),

Gene: Squid_76 Start: 61019, Stop: 60810, Start Num: 2
Candidate Starts for Squid_76:
(Start: 2 @61019 has 216 MA's), (Start: 3 @61016 has 36 MA's), (4, 60824),

Gene: Squiggle_76 Start: 60745, Stop: 60536, Start Num: 2
Candidate Starts for Squiggle_76:
(1, 60796), (Start: 2 @60745 has 216 MA's), (Start: 3 @60742 has 36 MA's),

Gene: Struggle_77 Start: 60839, Stop: 60630, Start Num: 2
Candidate Starts for Struggle_77:
(Start: 2 @60839 has 216 MA's), (Start: 3 @60836 has 36 MA's), (4, 60644),

Gene: Suffolk_74 Start: 60566, Stop: 60357, Start Num: 2
Candidate Starts for Suffolk_74:
(Start: 2 @60566 has 216 MA's), (Start: 3 @60563 has 36 MA's), (4, 60371),

Gene: Surely_77 Start: 61310, Stop: 61101, Start Num: 2
Candidate Starts for Surely_77:
(Start: 2 @61310 has 216 MA's), (Start: 3 @61307 has 36 MA's),

Gene: Swiphy_80 Start: 61290, Stop: 61081, Start Num: 2
Candidate Starts for Swiphy_80:

(Start: 2 @61290 has 216 MA's), (Start: 3 @61287 has 36 MA's), (4, 61095),

Gene: Swish_78 Start: 61172, Stop: 60963, Start Num: 2

Candidate Starts for Swish_78:

(1, 61223), (Start: 2 @61172 has 216 MA's), (Start: 3 @61169 has 36 MA's), (4, 60977),

Gene: TallGrassMM_76 Start: 60803, Stop: 60594, Start Num: 2

Candidate Starts for TallGrassMM_76:

(Start: 2 @60803 has 216 MA's), (Start: 3 @60800 has 36 MA's), (4, 60608),

Gene: Telesworld_75 Start: 60881, Stop: 60672, Start Num: 2

Candidate Starts for Telesworld_75:

(Start: 2 @60881 has 216 MA's), (Start: 3 @60878 has 36 MA's), (4, 60686),

Gene: Thora_76 Start: 61259, Stop: 61050, Start Num: 2

Candidate Starts for Thora_76:

(Start: 2 @61259 has 216 MA's), (Start: 3 @61256 has 36 MA's),

Gene: ThreeOh3D2_79 Start: 61433, Stop: 61224, Start Num: 2

Candidate Starts for ThreeOh3D2_79:

(Start: 2 @61433 has 216 MA's), (Start: 3 @61430 has 36 MA's),

Gene: Thunderbird_77 Start: 61001, Stop: 60792, Start Num: 2

Candidate Starts for Thunderbird_77:

(Start: 2 @61001 has 216 MA's), (Start: 3 @60998 has 36 MA's), (4, 60806),

Gene: Timmi_76 Start: 60775, Stop: 60566, Start Num: 2

Candidate Starts for Timmi_76:

(Start: 2 @60775 has 216 MA's), (Start: 3 @60772 has 36 MA's), (4, 60580),

Gene: TomBombadil_77 Start: 61300, Stop: 61094, Start Num: 3

Candidate Starts for TomBombadil_77:

(Start: 2 @61303 has 216 MA's), (Start: 3 @61300 has 36 MA's),

Gene: Tomlarah_78 Start: 61610, Stop: 61401, Start Num: 2

Candidate Starts for Tomlarah_78:

(Start: 2 @61610 has 216 MA's), (Start: 3 @61607 has 36 MA's), (4, 61415),

Gene: Toni_77 Start: 61205, Stop: 60996, Start Num: 2

Candidate Starts for Toni_77:

(Start: 2 @61205 has 216 MA's), (Start: 3 @61202 has 36 MA's), (4, 61010),

Gene: Tooj_74 Start: 60436, Stop: 60227, Start Num: 2

Candidate Starts for Tooj_74:

(Start: 2 @60436 has 216 MA's), (Start: 3 @60433 has 36 MA's), (4, 60241),

Gene: True_75 Start: 60745, Stop: 60536, Start Num: 2

Candidate Starts for True_75:

(Start: 2 @60745 has 216 MA's), (Start: 3 @60742 has 36 MA's), (4, 60550),

Gene: Trypo_78 Start: 61460, Stop: 61251, Start Num: 2

Candidate Starts for Trypo_78:

(Start: 2 @61460 has 216 MA's), (Start: 3 @61457 has 36 MA's), (4, 61265),

Gene: TyrionL_77 Start: 60832, Stop: 60623, Start Num: 2

Candidate Starts for TyrionL_77:

(Start: 2 @60832 has 216 MA's), (Start: 3 @60829 has 36 MA's),

Gene: UAch1_78 Start: 61102, Stop: 60893, Start Num: 2

Candidate Starts for UAch1_78:

(Start: 2 @61102 has 216 MA's), (Start: 3 @61099 has 36 MA's), (4, 60907),

Gene: UncleHowie_74 Start: 60439, Stop: 60230, Start Num: 2

Candidate Starts for UncleHowie_74:

(Start: 2 @60439 has 216 MA's), (Start: 3 @60436 has 36 MA's), (4, 60244),

Gene: Usavi_78 Start: 61425, Stop: 61219, Start Num: 2

Candidate Starts for Usavi_78:

(Start: 2 @61425 has 216 MA's), (Start: 3 @61422 has 36 MA's), (4, 61233),

Gene: Vaishali24_78 Start: 61048, Stop: 60839, Start Num: 2

Candidate Starts for Vaishali24_78:

(Start: 2 @61048 has 216 MA's), (Start: 3 @61045 has 36 MA's),

Gene: Valjean_76 Start: 60991, Stop: 60782, Start Num: 2

Candidate Starts for Valjean_76:

(Start: 2 @60991 has 216 MA's), (Start: 3 @60988 has 36 MA's),

Gene: Vaticameos_74 Start: 59306, Stop: 59097, Start Num: 2

Candidate Starts for Vaticameos_74:

(Start: 2 @59306 has 216 MA's), (Start: 3 @59303 has 36 MA's), (4, 59111),

Gene: Veritas_76 Start: 60916, Stop: 60707, Start Num: 2

Candidate Starts for Veritas_76:

(Start: 2 @60916 has 216 MA's), (Start: 3 @60913 has 36 MA's), (4, 60721),

Gene: Virapocalypse_78 Start: 61101, Stop: 60892, Start Num: 2

Candidate Starts for Virapocalypse_78:

(Start: 2 @61101 has 216 MA's), (Start: 3 @61098 has 36 MA's), (4, 60906),

Gene: Virgeve_75 Start: 60717, Stop: 60508, Start Num: 2

Candidate Starts for Virgeve_75:

(Start: 2 @60717 has 216 MA's), (Start: 3 @60714 has 36 MA's), (4, 60522),

Gene: Vista_76 Start: 60915, Stop: 60706, Start Num: 2

Candidate Starts for Vista_76:

(Start: 2 @60915 has 216 MA's), (Start: 3 @60912 has 36 MA's),

Gene: Vivaldi_77 Start: 61198, Stop: 60989, Start Num: 2

Candidate Starts for Vivaldi_77:

(1, 61249), (Start: 2 @61198 has 216 MA's), (Start: 3 @61195 has 36 MA's), (4, 61003),

Gene: Vortex_76 Start: 61021, Stop: 60812, Start Num: 2

Candidate Starts for Vortex_76:

(1, 61072), (Start: 2 @61021 has 216 MA's), (Start: 3 @61018 has 36 MA's), (4, 60826),

Gene: Wallhey_78 Start: 61021, Stop: 60812, Start Num: 2
Candidate Starts for Wallhey_78:
(Start: 2 @61021 has 216 MA's), (Start: 3 @61018 has 36 MA's), (4, 60826),

Gene: Waterdiva_78 Start: 61290, Stop: 61081, Start Num: 2
Candidate Starts for Waterdiva_78:
(Start: 2 @61290 has 216 MA's), (Start: 3 @61287 has 36 MA's),

Gene: Weher20_74 Start: 61357, Stop: 61151, Start Num: 3
Candidate Starts for Weher20_74:
(Start: 2 @61360 has 216 MA's), (Start: 3 @61357 has 36 MA's),

Gene: Windsor_77 Start: 61305, Stop: 61096, Start Num: 2
Candidate Starts for Windsor_77:
(Start: 2 @61305 has 216 MA's), (Start: 3 @61302 has 36 MA's),

Gene: Xavier_77 Start: 60910, Stop: 60701, Start Num: 2
Candidate Starts for Xavier_77:
(Start: 2 @60910 has 216 MA's), (Start: 3 @60907 has 36 MA's), (4, 60715),

Gene: Yoshand_78 Start: 61155, Stop: 60946, Start Num: 2
Candidate Starts for Yoshand_78:
(1, 61206), (Start: 2 @61155 has 216 MA's), (Start: 3 @61152 has 36 MA's), (4, 60960),

Gene: YouGoGlencoco_77 Start: 61026, Stop: 60820, Start Num: 3
Candidate Starts for YouGoGlencoco_77:
(Start: 2 @61029 has 216 MA's), (Start: 3 @61026 has 36 MA's), (4, 60834),

Gene: Zaider_78 Start: 61227, Stop: 61021, Start Num: 3
Candidate Starts for Zaider_78:
(Start: 2 @61230 has 216 MA's), (Start: 3 @61227 has 36 MA's), (4, 61035),

Gene: Zelda_77 Start: 61360, Stop: 61151, Start Num: 2
Candidate Starts for Zelda_77:
(Start: 2 @61360 has 216 MA's), (Start: 3 @61357 has 36 MA's), (4, 61165),

Gene: Zonia_78 Start: 61472, Stop: 61263, Start Num: 2
Candidate Starts for Zonia_78:
(1, 61523), (Start: 2 @61472 has 216 MA's), (Start: 3 @61469 has 36 MA's), (4, 61277),