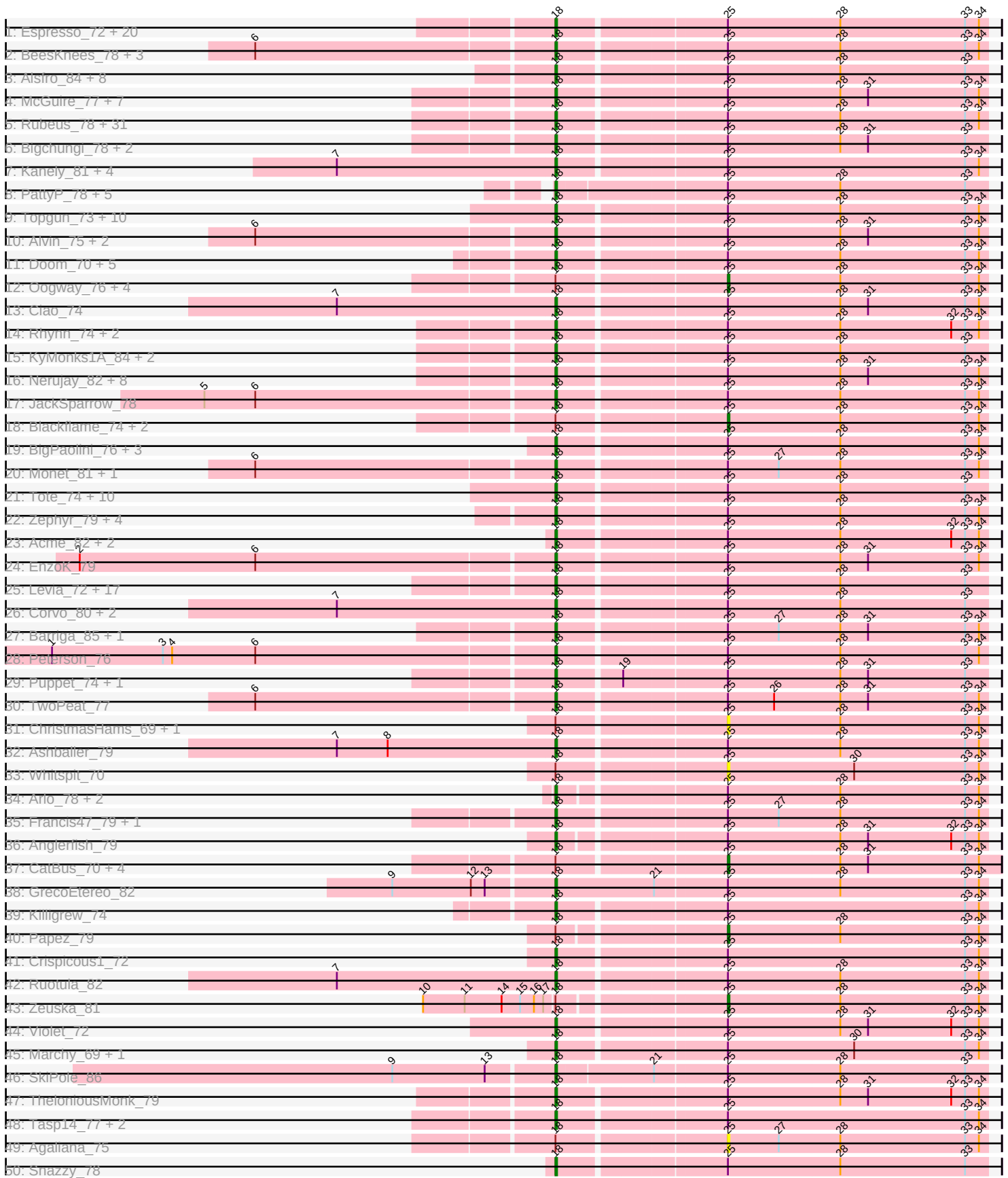






Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 324796 Report

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

Pham number 324796 has 240 members, 16 are drafts.

Phages represented in each track:

- Track 1 : Espresso_72, MilleFeuille_79, Makemake_81, Seanderson_77, BK1_72, Sumter_75, HarryOW_79, Manatee_76, BillKnuckles_71, Target_77, Solon_73, Tripl3t_81, SwissCheese_82, Kugel_79, Gandalf20_77, Jorgensen_87, Gwendoluna_82, Bethlehem_81, BaconJack_80, A6_72, Pari_83
- Track 2 : BeesKnees_78, Traft412_77, Bxb1_72, Rajelicia_79
- Track 3 : Alsfro_84, Dulcie_79, Blesser_72, Ichabod_80, Lesedi_75, PinkPlastic_73, Briton15_80, Graduation_81, Seabiscuit_78
- Track 4 : McGuire_77, Hermia_73, Homines_66, Noxious_74, KikiBouba_74, Sorpresa_77, Wheeler_83, Gyzlar_70
- Track 5 : Rubeus_78, Blue_74, Adahisdi_73, PherrisBueller_76, Dreamboat_77, Bircsak_78, Bruns_80, Ringer_78, Beatrix_74, JC27_81, Trouble_78, Sagefire_74, Ajay_74, Treddle_79, DrFeelGood_74, StrongArm_73, McSinger_76, Turj99_74, Euphoria_79, Marcell_70, Michley_78, Raid_75, Chanagan_74, Bexan_72, Magnito_77, Norz_73, Kykar_77, Jasper_76, Gompeii16_78, Pelly_81, PowerRanger_73, Carlyle_78
- Track 6 : Bigchung_78, ShortQueendom_72, GageAP_80
- Track 7 : Kanely_81, Altman_82, Atkinbua_86, ConceptII_84, HanShotFirst_75
- Track 8 : PattyP_78, Slagathor_78, Museum_78, NEHalo_74, Molly_78, Arcanine_81
- Track 9 : Topgun_73, Maroc7_79, Phlippers_75, BPBiebs31_83, Wilkins_74, Bigfoot_72, U2_72, Fascinus_73, MrGordo_79, Big3_79, CactusRose_80
- Track 10 : Alvin_75, Hope4ever_79, Sunshine924_80
- Track 11 : Doom_70, PhrostyMug_80, Smairt_83, Mule_78, Zeeculate_74, PascalRango_76
- Track 12 : Oogway_76, Iqorha_69, Sanya_76, Teodoridan_75, Inyanga_69
- Track 13 : Ciao_74
- Track 14 : Rhynn_74, Fenn_80, Naira_79
- Track 15 : KyMonks1A_84, Niza_78, STLscum_84
- Track 16 : Nerujay_82, Lamina13_81, Dynamix_77, HermioneGrange_81, Watermelon_81, BigMau_80, Scowl_78, Jerm2_79, Marge_74
- Track 17 : JackSparrow_78
- Track 18 : Blackflame_74, Dexes_81, Bones_73
- Track 19 : BigPaolini_76, Licorice_80, KBG_76, Magnar_74
- Track 20 : Monet_81, Edtherson_76
- Track 21 : Tote_74, Sibs6_78, Burton_79, PSullivan_76, Moose_80, Swole_79, Lopton_77, Forsytheast_80, MPlant7149_78, JuliaChild_79, Pita2_79
- Track 22 : Zephyr_79, Pinto_77, Nhonho_74, Paphu_75, Petp2012_78

- Track 23 : Acme_82, Greg_81, Fajezeel_81
- Track 24 : EnzoK_79
- Track 25 : Levia_72, GMonster_75, Abbyshoes_78, AFIS_75, Dussy_77, Perseus_78, BluSpix_76, Thor_81, SarFire_81, Marsha_78, BarrowTuph_81, Kenmech_80, PhineBark_74, IgnatiusPatJac_78, StewieG_73, Ohno789_81, Aeneas_83, SpikeBT_75
- Track 26 : Corvo_80, MaryBeth_76, MetalQZJ_75
- Track 27 : Barriga_85, DD5_75
- Track 28 : Peterson_76
- Track 29 : Puppet_74, Eyeball_77
- Track 30 : TwoPeat_77
- Track 31 : ChristmasHams_69, Mkhuseli_75
- Track 32 : Ashballer_79
- Track 33 : Whitspit_70
- Track 34 : Arlo_78, Fushigi_71, KSSJEB_75
- Track 35 : Francis47_79, PacerPaul_82
- Track 36 : Anglerfish_79
- Track 37 : CatBus_70, Aldrich_70, GroundGoblin_72, Sandaddy_76, DirtDevil_72
- Track 38 : GrecoEtereo_82
- Track 39 : Killigrew_74
- Track 40 : Papez_79
- Track 41 : Crispicous1_72
- Track 42 : Ruotula_82
- Track 43 : Zeuska_81
- Track 44 : Violet_72
- Track 45 : Marchy_69, Hami1_70
- Track 46 : SkiPole_86
- Track 47 : TheloniousMonk_79
- Track 48 : Tasp14_77, QTRlifeCrisis_77, Abrogate_750
- Track 49 : Agaliana_75
- Track 50 : Snazzy_78
- Track 51 : Mryolo_73
- Track 52 : Switzer_76
- Track 53 : Paraselene_75
- Track 54 : Parliament_79
- Track 55 : Petruchio_78
- Track 56 : Pippin_78
- Track 57 : Applejack_77
- Track 58 : CartmannCramer_74
- Track 59 : DreamCatcher_81
- Track 60 : ProMouse_77
- Track 61 : Squee_78
- Track 62 : Rutherferd_80
- Track 63 : Pepe_71
- Track 64 : Buttons_75
- Track 65 : Rufus_80
- Track 66 : Rohr_80
- Track 67 : ILeeKay_75
- Track 68 : Bob3_78
- Track 69 : Emmina_43, Teaspoon_44
- Track 70 : NonchalantPear_43
- Track 71 : Porky_41
- Track 72 : Stellammi_194

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

The start number called the most often in the published annotations is 18, it was called in 208 of the 224 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- A6_72, AFIS_75, Abbyshoes_78, Abrogate_750, Acme_82, Adahisdi_73, Aeneas_83, Ajay_74, Alsfro_84, Altman_82, Alvin_75, Anglerfish_79, Arcanine_81, Arlo_78, Ashballer_79, Atkinbua_86, BK1_72, BPBiebs31_83, BaconJack_80, Barriga_85, BarrowTuph_81, Beatrix_74, BeesKnees_78, Bethlehem_81, Bexan_72, Big3_79, BigMau_80, BigPaolini_76, Bigchungi_78, Bigfoot_72, BillKnuckles_71, Bircsak_78, Blessier_72, BluSpix_76, Blue_74, Briton15_80, Bruns_80, Burton_79, Bxb1_72, CactusRose_80, Carlyle_78, Chanagan_74, Ciao_74, ConceptII_84, Corvo_80, Crispicous1_72, DD5_75, Doom_70, DrFeelGood_74, DreamCatcher_81, Dreamboat_77, Dulcie_79, Dussy_77, Dynamix_77, Edtherson_76, EnzoK_79, Espresso_72, Euphoria_79, Eyeball_77, Fajezeel_81, Fascinus_73, Fenn_80, Forsytheast_80, Francis47_79, Fushigi_71, GMonster_75, GageAP_80, Gandalf20_77, Gompeii16_78, Graduation_81, GrecoEtereo_82, Greg_81, Gwendoluna_82, Gyzlar_70, Hami1_70, HanShotFirst_75, HarryOW_79, Hermia_73, HermioneGrange_81, Homines_66, Hope4ever_79, ILeeKay_75, Ichabod_80, IgnatiusPatJac_78, JC27_81, JackSparrow_78, Jasper_76, Jerm2_79, Jorgensen_87, JuliaChild_79, KBG_76, KSSJEB_75, Kanely_81, Kenmech_80, KikiBouba_74, Killigrew_74, Kugel_79, KyMonks1A_84, Kykar_77, Lamina13_81, Lesedi_75, Levia_72, Licorice_80, Lopton_77, MPlant7149_78, Magnar_74, Magnito_77, Makemake_81, Manatee_76, Marcell_70, Marchy_69, Marge_74, Maroc7_79, Marsha_78, MaryBeth_76, McGuire_77, McSinger_76, MetalQZJ_75, Michley_78, MilleFeuille_79, Molly_78, Monet_81, Moose_80, MrGordo_79, Mryolo_73, Mule_78, Museum_78, NEHalo_74, Naira_79, Nerujay_82, Nhonho_74, Niza_78, Norz_73, Noxious_74, Ohno789_81, PSullivan_76, PacerPaul_82, Paphu_75, Paraselene_75, Pari_83, Parliament_79, PascalRango_76, PattyP_78, Pelly_81, Perseus_78, Peterson_76, Petp2012_78, Petruchio_78, PherrisBueller_76, PhineBark_74, Phlippers_75, PhrostyMug_80, PinkPlastic_73, Pinto_77, Pippin_78, Pita2_79, PowerRanger_73, Puppet_74, QTRlifeCrisis_77, Raid_75, Rajelicia_79, Rhynn_74, Ringer_78, Rohr_80, Rubeus_78, Rufus_80, Ruotula_82, Rutherford_80, STLscum_84, Sagefire_74, SarFire_81, Scowl_78, Seabiscuit_78, Seanderson_77, ShortQueendom_72, Sibs6_78, SkiPole_86, Slagathor_78, Smairt_83, Snazzy_78, Solon_73, Sorpresa_77, SpikeBT_75, Squee_78, StewieG_73, StrongArm_73, Sumter_75, Sunshine924_80, SwissCheese_82, Switzer_76, Swole_79, Target_77, Tasp14_77, TheloniousMonk_79, Thor_81, Topgun_73, Tote_74, Traft412_77, Treddle_79, Tripl3t_81, Trouble_78, Turj99_74, TwoPeat_77, U2_72, Violet_72, Watermelon_81, Wheeler_83, Wilkins_74, Zeeculate_74, Zephyr_79,

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

- Agaliana_75, Aldrich_70, Applejack_77, Blackflame_74, Bob3_78, Bones_73, Buttons_75, CartmannCramer_74, CatBus_70, ChristmasHams_69, Dexes_81, DirtDevil_72, GroundGoblin_72, Inyanga_69, Iqorha_69, Mkhusei_75, Oogway_76, Papez_79, Pepe_71, ProMouse_77, Sandaddy_76, Sanya_76, Teodoridan_75, Whitspit_70, Zeuska_81,

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

• Emmina_43, NonchalantPear_43, Porky_41, Stellammi_194, Teaspoon_44,

Summary by start number:

Start 18:

- Found in 235 of 240 (97.9%) of genes in pham
- Manual Annotations of this start: 208 of 224
- Called 89.4% of time when present
- Phage (with cluster) where this start called: A6_72 (A1), AFIS_75 (A1), Abbyshoes_78 (A1), Abrogate_750 (A1), Acme_82 (A1), Adahisdi_73 (A1), Aeneas_83 (A1), Ajay_74 (A1), Alsfro_84 (A1), Altman_82 (A1), Alvin_75 (A1), Anglerfish_79 (A1), Arcanine_81 (A1), Arlo_78 (A1), Ashballer_79 (A1), Atkinbua_86 (A1), BK1_72 (A1), BPBiebs31_83 (A1), BaconJack_80 (A1), Barriga_85 (A1), BarrowTuph_81 (A1), Beatrix_74 (A1), BeesKnees_78 (A1), Bethlehem_81 (A1), Bexan_72 (A1), Big3_79 (A1), BigMau_80 (A1), BigPaolini_76 (A1), Bigchungi_78 (A1), Bigfoot_72 (A1), BillKnuckles_71 (A1), Bircsak_78 (A1), Blessor_72 (A1), BluSpix_76 (A1), Blue_74 (A1), Briton15_80 (A1), Bruns_80 (A1), Burton_79 (A1), Bxb1_72 (A1), CactusRose_80 (A1), Carlyle_78 (A1), Chanagan_74 (A1), Ciao_74 (A1), ConceptII_84 (A1), Corvo_80 (A1), Crispicous1_72 (A1), DD5_75 (A1), Doom_70 (A1), DrFeelGood_74 (A1), DreamCatcher_81 (A1), Dreamboat_77 (A1), Dulcie_79 (A1), Dussy_77 (A1), Dynamix_77 (A1), Edtherson_76 (A1), EnzoK_79 (A1), Espresso_72 (A1), Euphoria_79 (A1), Eyeball_77 (A1), Fajezeel_81 (A1), Fascinus_73 (A1), Fenn_80 (A1), Forsytheast_80 (A1), Francis47_79 (A1), Fushigi_71 (A1), GMonster_75 (A1), GageAP_80 (A1), Gandalf20_77 (A1), Gompeii16_78 (A1), Graduation_81 (A1), GrecoEtereo_82 (A1), Greg_81 (A1), Gwendoluna_82 (A1), Gyzlar_70 (A1), Hami1_70 (A1), HanShotFirst_75 (A1), HarryOW_79 (A1), Hermia_73 (A1), HermioneGrange_81 (A1), Homines_66 (A1), Hope4ever_79 (A1), ILeeKay_75 (A1), Ichabod_80 (A1), IgnatiusPatJac_78 (A1), JC27_81 (A1), JackSparrow_78 (A1), Jasper_76 (A1), Jerm2_79 (A1), Jorgensen_87 (A1), JuliaChild_79 (A1), KBG_76 (A1), KSSJEB_75 (A1), Kanely_81 (A1), Kenmech_80 (A1), KikiBouba_74 (A1), Killigrew_74 (A1), Kugel_79 (A1), KyMonks1A_84 (A1), Kykar_77 (A1), Lamina13_81 (A1), Lesedi_75 (A1), Levia_72 (A1), Licorice_80 (A1), Lopton_77 (A1), MPlant7149_78 (A1), Magnar_74 (A1), Magnito_77 (A1), Makemake_81 (A1), Manatee_76 (A1), Marcell_70 (A1), Marchy_69 (A1), Marge_74 (A1), Maroc7_79 (A1), Marsha_78 (A1), MaryBeth_76 (A1), McGuire_77 (A1), McSinger_76 (A1), MetalQZJ_75 (A1), Michley_78 (A1), MilleFeuille_79 (A1), Molly_78 (A1), Monet_81 (A1), Moose_80 (A1), MrGordo_79 (A1), Mryolo_73 (A1), Mule_78 (A1), Museum_78 (A1), NEHalo_74 (A1), Naira_79 (A1), Nerujay_82 (A1), Nhonho_74 (A1), Niza_78 (A1), Norz_73 (A1), Noxious_74 (A1), Ohno789_81 (A1), PSullivan_76 (A1), PacerPaul_82 (A1), Paphu_75 (A1), Paraselene_75 (A1), Pari_83 (A1), Parliament_79 (A1), PascalRango_76 (A1), PattyP_78 (A1), Pelly_81 (A1), Perseus_78 (A1), Peterson_76 (A1), Petp2012_78 (A1), Petruchio_78 (A1), PherrisBueller_76 (A1), PhineBark_74 (A1), Phlippers_75 (A1), PhrostyMug_80 (A1), PinkPlastic_73 (A1), Pinto_77 (A1), Pippin_78 (A1), Pita2_79 (A1), PowerRanger_73 (A1), Puppet_74 (A1), QTRlifeCrisis_77 (A1), Raid_75 (A1), Rajelicia_79 (A1), Rhynn_74 (A1), Ringer_78 (A1), Rohr_80 (A1), Rubeus_78 (A1), Rufus_80 (A1), Ruotula_82 (A1), Rutherferd_80 (A1), STLscum_84 (A1), Sagefire_74 (A1), SarFire_81 (A1), Scowl_78 (A1), Seabiscuit_78 (A1), Seanderson_77 (A1), ShortQueendom_72 (A1), Sibs6_78 (A1), SkiPole_86 (A1), Slagathor_78 (A1), Smairt_83 (A1), Snazzy_78 (A1), Solon_73 (A1), Sorpresa_77 (A1), SpikeBT_75 (A1), Squee_78 (A1), StewieG_73 (A1), StrongArm_73 (A1), Sumter_75 (A1), Sunshine924_80 (A1), SwissCheese_82 (A1), Switzer_76 (A1),

Swole_79 (A1), Target_77 (A1), Tasp14_77 (A1), TheloniousMonk_79 (A1), Thor_81 (A1), Topgun_73 (A1), Tote_74 (A1), Traft412_77 (A1), Treddle_79 (A1), Tripl3t_81 (A1), Trouble_78 (A1), Turj99_74 (A1), TwoPeat_77 (A1), U2_72 (A1), Violet_72 (A1), Watermelon_81 (A1), Wheeler_83 (A1), Wilkins_74 (A1), Zeeculate_74 (A1), Zephyr_79 (A1),

Start 23:

- Found in 1 of 240 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 224
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Stellammi_194 (UNK),

Start 24:

- Found in 2 of 240 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 224
- Called 50.0% of time when present
- Phage (with cluster) where this start called: NonchalantPear_43 (E),

Start 25:

- Found in 239 of 240 (99.6%) of genes in pham
- Manual Annotations of this start: 14 of 224
- Called 11.7% of time when present
- Phage (with cluster) where this start called: Agaliana_75 (A1), Aldrich_70 (A1), Applejack_77 (A1), Blackflame_74 (A1), Bob3_78 (A1), Bones_73 (A1), Buttons_75 (A1), CartmannCramer_74 (A1), CatBus_70 (A1), ChristmasHams_69 (A1), Dexes_81 (A1), DirtDevil_72 (A1), Emmina_43 (E), GroundGoblin_72 (A1), Inyanga_69 (A1), Iqorha_69 (A1), Mkhusele_75 (A1), Oogway_76 (A1), Papez_79 (A1), Pepe_71 (A1), Porky_41 (E), ProMouse_77 (A1), Sandaddy_76 (A1), Sanya_76 (A1), Teaspoon_44 (E), Teodoridan_75 (A1), Whitspit_70 (A1), Zeuska_81 (A1),

Summary by clusters:

There are 3 clusters represented in this pham: A1, UNK, E,

Info for manual annotations of cluster A1:

- Start number 18 was manually annotated 208 times for cluster A1.
- Start number 25 was manually annotated 11 times for cluster A1.

Info for manual annotations of cluster E:

- Start number 24 was manually annotated 1 time for cluster E.
- Start number 25 was manually annotated 3 times for cluster E.

Info for manual annotations of cluster UNK:

- Start number 23 was manually annotated 1 time for cluster UNK.

Gene Information:

Gene: A6_72 Start: 44932, Stop: 44663, Start Num: 18

Candidate Starts for A6_72:

(Start: 18 @44932 has 208 MA's), (Start: 25 @44830 has 14 MA's), (28, 44758), (33, 44677), (34, 44668),

Gene: AFIS_75 Start: 47953, Stop: 47684, Start Num: 18

Candidate Starts for AFIS_75:

(Start: 18 @47953 has 208 MA's), (Start: 25 @47851 has 14 MA's), (28, 47779), (33, 47698),

Gene: Abbysshoes_78 Start: 47206, Stop: 46937, Start Num: 18

Candidate Starts for Abbysshoes_78:

(Start: 18 @47206 has 208 MA's), (Start: 25 @47104 has 14 MA's), (28, 47032), (33, 46951),

Gene: Abrogate_750 Start: 47919, Stop: 47650, Start Num: 18

Candidate Starts for Abrogate_750:

(Start: 18 @47919 has 208 MA's), (Start: 25 @47817 has 14 MA's), (33, 47664), (34, 47655),

Gene: Acme_82 Start: 49460, Stop: 49191, Start Num: 18

Candidate Starts for Acme_82:

(Start: 18 @49460 has 208 MA's), (Start: 25 @49358 has 14 MA's), (28, 49286), (32, 49214), (33, 49205), (34, 49196),

Gene: Adahisdi_73 Start: 47104, Stop: 46835, Start Num: 18

Candidate Starts for Adahisdi_73:

(Start: 18 @47104 has 208 MA's), (Start: 25 @47002 has 14 MA's), (28, 46930), (33, 46849), (34, 46840),

Gene: Aeneas_83 Start: 49565, Stop: 49296, Start Num: 18

Candidate Starts for Aeneas_83:

(Start: 18 @49565 has 208 MA's), (Start: 25 @49463 has 14 MA's), (28, 49391), (33, 49310),

Gene: Agaliana_75 Start: 45820, Stop: 45653, Start Num: 25

Candidate Starts for Agaliana_75:

(Start: 18 @45922 has 208 MA's), (Start: 25 @45820 has 14 MA's), (27, 45787), (28, 45748), (33, 45667), (34, 45658),

Gene: Ajay_74 Start: 46305, Stop: 46036, Start Num: 18

Candidate Starts for Ajay_74:

(Start: 18 @46305 has 208 MA's), (Start: 25 @46203 has 14 MA's), (28, 46131), (33, 46050), (34, 46041),

Gene: Aldrich_70 Start: 45693, Stop: 45517, Start Num: 25

Candidate Starts for Aldrich_70:

(Start: 18 @45795 has 208 MA's), (Start: 25 @45693 has 14 MA's), (28, 45621), (31, 45603), (33, 45540), (34, 45531),

Gene: Alsfro_84 Start: 47668, Stop: 47399, Start Num: 18

Candidate Starts for Alsfro_84:

(Start: 18 @47668 has 208 MA's), (Start: 25 @47566 has 14 MA's), (28, 47494), (33, 47413),

Gene: Altman_82 Start: 48592, Stop: 48323, Start Num: 18

Candidate Starts for Altman_82:

(7, 48733), (Start: 18 @48592 has 208 MA's), (Start: 25 @48490 has 14 MA's), (33, 48337), (34, 48328),

Gene: Alvin_75 Start: 46525, Stop: 46256, Start Num: 18

Candidate Starts for Alvin_75:

(6, 46714), (Start: 18 @46525 has 208 MA's), (Start: 25 @46423 has 14 MA's), (28, 46351), (31, 46333), (33, 46270), (34, 46261),

Gene: Anglerfish_79 Start: 48433, Stop: 48167, Start Num: 18

Candidate Starts for Anglerfish_79:

(Start: 18 @48433 has 208 MA's), (Start: 25 @48334 has 14 MA's), (28, 48262), (31, 48244), (32, 48190), (33, 48181), (34, 48172),

Gene: Applejack_77 Start: 45484, Stop: 45317, Start Num: 25

Candidate Starts for Applejack_77:

(Start: 18 @45586 has 208 MA's), (Start: 25 @45484 has 14 MA's), (28, 45412), (33, 45331), (34, 45322),

Gene: Arcanine_81 Start: 49041, Stop: 48769, Start Num: 18

Candidate Starts for Arcanine_81:

(Start: 18 @49041 has 208 MA's), (Start: 25 @48936 has 14 MA's), (28, 48864), (33, 48783),

Gene: Arlo_78 Start: 47997, Stop: 47731, Start Num: 18

Candidate Starts for Arlo_78:

(Start: 18 @47997 has 208 MA's), (Start: 25 @47898 has 14 MA's), (28, 47826), (33, 47745), (34, 47736),

Gene: Ashballer_79 Start: 48035, Stop: 47766, Start Num: 18

Candidate Starts for Ashballer_79:

(7, 48176), (8, 48143), (Start: 18 @48035 has 208 MA's), (Start: 25 @47933 has 14 MA's), (28, 47861), (33, 47780), (34, 47771),

Gene: Atkinbua_86 Start: 49400, Stop: 49131, Start Num: 18

Candidate Starts for Atkinbua_86:

(7, 49541), (Start: 18 @49400 has 208 MA's), (Start: 25 @49298 has 14 MA's), (33, 49145), (34, 49136),

Gene: BK1_72 Start: 44932, Stop: 44663, Start Num: 18

Candidate Starts for BK1_72:

(Start: 18 @44932 has 208 MA's), (Start: 25 @44830 has 14 MA's), (28, 44758), (33, 44677), (34, 44668),

Gene: BPBiebs31_83 Start: 49112, Stop: 48843, Start Num: 18

Candidate Starts for BPBiebs31_83:

(Start: 18 @49112 has 208 MA's), (Start: 25 @49010 has 14 MA's), (28, 48938), (33, 48857), (34, 48848),

Gene: BaconJack_80 Start: 49267, Stop: 48998, Start Num: 18

Candidate Starts for BaconJack_80:

(Start: 18 @49267 has 208 MA's), (Start: 25 @49165 has 14 MA's), (28, 49093), (33, 49012), (34, 49003),

Gene: Barriga_85 Start: 48133, Stop: 47864, Start Num: 18

Candidate Starts for Barriga_85:

(Start: 18 @48133 has 208 MA's), (Start: 25 @48031 has 14 MA's), (27, 47998), (28, 47959), (31, 47941), (33, 47878), (34, 47869),

Gene: BarrowTuph_81 Start: 48313, Stop: 48044, Start Num: 18

Candidate Starts for BarrowTuph_81:

(Start: 18 @48313 has 208 MA's), (Start: 25 @48211 has 14 MA's), (28, 48139), (33, 48058),

Gene: Beatrix_74 Start: 47100, Stop: 46831, Start Num: 18

Candidate Starts for Beatrix_74:

(Start: 18 @47100 has 208 MA's), (Start: 25 @46998 has 14 MA's), (28, 46926), (33, 46845), (34, 46836),

Gene: BeesKnees_78 Start: 46203, Stop: 45934, Start Num: 18

Candidate Starts for BeesKnees_78:

(6, 46392), (Start: 18 @46203 has 208 MA's), (Start: 25 @46101 has 14 MA's), (28, 46029), (33, 45948), (34, 45939),

Gene: Bethlehem_81 Start: 50152, Stop: 49883, Start Num: 18

Candidate Starts for Bethlehem_81:

(Start: 18 @50152 has 208 MA's), (Start: 25 @50050 has 14 MA's), (28, 49978), (33, 49897), (34, 49888),

Gene: Bexan_72 Start: 46874, Stop: 46605, Start Num: 18

Candidate Starts for Bexan_72:

(Start: 18 @46874 has 208 MA's), (Start: 25 @46772 has 14 MA's), (28, 46700), (33, 46619), (34, 46610),

Gene: Big3_79 Start: 49102, Stop: 48833, Start Num: 18

Candidate Starts for Big3_79:

(Start: 18 @49102 has 208 MA's), (Start: 25 @49000 has 14 MA's), (28, 48928), (33, 48847), (34, 48838),

Gene: BigMau_80 Start: 48690, Stop: 48421, Start Num: 18

Candidate Starts for BigMau_80:

(Start: 18 @48690 has 208 MA's), (Start: 25 @48588 has 14 MA's), (28, 48516), (31, 48498), (33, 48435), (34, 48426),

Gene: BigPaolini_76 Start: 46474, Stop: 46205, Start Num: 18

Candidate Starts for BigPaolini_76:

(Start: 18 @46474 has 208 MA's), (Start: 25 @46372 has 14 MA's), (28, 46300), (33, 46219), (34, 46210),

Gene: Bigchungi_78 Start: 48515, Stop: 48246, Start Num: 18

Candidate Starts for Bigchungi_78:

(Start: 18 @48515 has 208 MA's), (Start: 25 @48413 has 14 MA's), (28, 48341), (31, 48323), (33, 48260),

Gene: Bigfoot_72 Start: 47170, Stop: 46901, Start Num: 18

Candidate Starts for Bigfoot_72:

(Start: 18 @47170 has 208 MA's), (Start: 25 @47068 has 14 MA's), (28, 46996), (33, 46915), (34, 46906),

Gene: BillKnuckles_71 Start: 47077, Stop: 46808, Start Num: 18

Candidate Starts for BillKnuckles_71:

(Start: 18 @47077 has 208 MA's), (Start: 25 @46975 has 14 MA's), (28, 46903), (33, 46822), (34, 46813),

Gene: Bircsak_78 Start: 49765, Stop: 49496, Start Num: 18

Candidate Starts for Bircsak_78:

(Start: 18 @49765 has 208 MA's), (Start: 25 @49663 has 14 MA's), (28, 49591), (33, 49510), (34, 49501),

Gene: Blackflame_74 Start: 47368, Stop: 47201, Start Num: 25

Candidate Starts for Blackflame_74:

(Start: 18 @47470 has 208 MA's), (Start: 25 @47368 has 14 MA's), (28, 47296), (33, 47215), (34, 47206),

Gene: Blessner_72 Start: 45803, Stop: 45534, Start Num: 18

Candidate Starts for Blessner_72:

(Start: 18 @45803 has 208 MA's), (Start: 25 @45701 has 14 MA's), (28, 45629), (33, 45548),

Gene: BluSpix_76 Start: 42801, Stop: 42532, Start Num: 18

Candidate Starts for BluSpix_76:

(Start: 18 @42801 has 208 MA's), (Start: 25 @42699 has 14 MA's), (28, 42627), (33, 42546),

Gene: Blue_74 Start: 46981, Stop: 46712, Start Num: 18

Candidate Starts for Blue_74:

(Start: 18 @46981 has 208 MA's), (Start: 25 @46879 has 14 MA's), (28, 46807), (33, 46726), (34, 46717),

Gene: Bob3_78 Start: 47855, Stop: 47688, Start Num: 25

Candidate Starts for Bob3_78:

(Start: 18 @47957 has 208 MA's), (Start: 25 @47855 has 14 MA's), (28, 47783), (31, 47765), (33, 47702), (34, 47693),

Gene: Bones_73 Start: 47161, Stop: 46994, Start Num: 25

Candidate Starts for Bones_73:

(Start: 18 @47263 has 208 MA's), (Start: 25 @47161 has 14 MA's), (28, 47089), (33, 47008), (34, 46999),

Gene: Briton15_80 Start: 48343, Stop: 48074, Start Num: 18

Candidate Starts for Briton15_80:

(Start: 18 @48343 has 208 MA's), (Start: 25 @48241 has 14 MA's), (28, 48169), (33, 48088),

Gene: Bruns_80 Start: 47206, Stop: 46937, Start Num: 18

Candidate Starts for Bruns_80:

(Start: 18 @47206 has 208 MA's), (Start: 25 @47104 has 14 MA's), (28, 47032), (33, 46951), (34, 46942),

Gene: Burton_79 Start: 49544, Stop: 49275, Start Num: 18

Candidate Starts for Burton_79:

(Start: 18 @49544 has 208 MA's), (Start: 25 @49442 has 14 MA's), (28, 49370), (33, 49289),

Gene: Buttons_75 Start: 45560, Stop: 45384, Start Num: 25

Candidate Starts for Buttons_75:

(Start: 18 @45662 has 208 MA's), (Start: 25 @45560 has 14 MA's), (33, 45407), (34, 45398),

Gene: Bxb1_72 Start: 45749, Stop: 45480, Start Num: 18

Candidate Starts for Bxb1_72:

(6, 45938), (Start: 18 @45749 has 208 MA's), (Start: 25 @45647 has 14 MA's), (28, 45575), (33, 45494), (34, 45485),

Gene: CactusRose_80 Start: 48187, Stop: 47918, Start Num: 18

Candidate Starts for CactusRose_80:

(Start: 18 @48187 has 208 MA's), (Start: 25 @48085 has 14 MA's), (28, 48013), (33, 47932), (34, 47923),

Gene: Carlyle_78 Start: 46661, Stop: 46392, Start Num: 18

Candidate Starts for Carlyle_78:

(Start: 18 @46661 has 208 MA's), (Start: 25 @46559 has 14 MA's), (28, 46487), (33, 46406), (34, 46397),

Gene: CartmannCramer_74 Start: 48186, Stop: 48019, Start Num: 25

Candidate Starts for CartmannCramer_74:

(Start: 18 @48288 has 208 MA's), (Start: 25 @48186 has 14 MA's), (28, 48114), (31, 48096), (33, 48033),

Gene: CatBus_70 Start: 45885, Stop: 45709, Start Num: 25

Candidate Starts for CatBus_70:

(Start: 18 @45987 has 208 MA's), (Start: 25 @45885 has 14 MA's), (28, 45813), (31, 45795), (33, 45732), (34, 45723),

Gene: Chanagan_74 Start: 45622, Stop: 45353, Start Num: 18

Candidate Starts for Chanagan_74:

(Start: 18 @45622 has 208 MA's), (Start: 25 @45520 has 14 MA's), (28, 45448), (33, 45367), (34, 45358),

Gene: ChristmasHams_69 Start: 44195, Stop: 44028, Start Num: 25

Candidate Starts for ChristmasHams_69:

(Start: 18 @44297 has 208 MA's), (Start: 25 @44195 has 14 MA's), (28, 44123), (33, 44042), (34, 44033),

Gene: Ciao_74 Start: 45782, Stop: 45513, Start Num: 18

Candidate Starts for Ciao_74:

(7, 45923), (Start: 18 @45782 has 208 MA's), (Start: 25 @45680 has 14 MA's), (28, 45608), (31, 45590), (33, 45527), (34, 45518),

Gene: ConceptII_84 Start: 49693, Stop: 49424, Start Num: 18

Candidate Starts for ConceptII_84:

(7, 49834), (Start: 18 @49693 has 208 MA's), (Start: 25 @49591 has 14 MA's), (33, 49438), (34, 49429),

Gene: Corvo_80 Start: 49035, Stop: 48766, Start Num: 18

Candidate Starts for Corvo_80:

(7, 49176), (Start: 18 @49035 has 208 MA's), (Start: 25 @48933 has 14 MA's), (28, 48861), (33, 48780),

Gene: Crispicous1_72 Start: 45304, Stop: 45035, Start Num: 18

Candidate Starts for Crispicous1_72:

(Start: 18 @45304 has 208 MA's), (Start: 25 @45202 has 14 MA's), (33, 45049), (34, 45040),

Gene: DD5_75 Start: 47389, Stop: 47120, Start Num: 18

Candidate Starts for DD5_75:

(Start: 18 @47389 has 208 MA's), (Start: 25 @47287 has 14 MA's), (27, 47254), (28, 47215), (31, 47197), (33, 47134), (34, 47125),

Gene: Dexes_81 Start: 50369, Stop: 50202, Start Num: 25

Candidate Starts for Dexes_81:

(Start: 18 @50471 has 208 MA's), (Start: 25 @50369 has 14 MA's), (28, 50297), (33, 50216), (34, 50207),

Gene: DirtDevil_72 Start: 45693, Stop: 45517, Start Num: 25

Candidate Starts for DirtDevil_72:

(Start: 18 @45795 has 208 MA's), (Start: 25 @45693 has 14 MA's), (28, 45621), (31, 45603), (33, 45540), (34, 45531),

Gene: Doom_70 Start: 46318, Stop: 46049, Start Num: 18

Candidate Starts for Doom_70:

(Start: 18 @46318 has 208 MA's), (Start: 25 @46216 has 14 MA's), (28, 46144), (33, 46063), (34, 46054),

Gene: DrFeelGood_74 Start: 45747, Stop: 45478, Start Num: 18

Candidate Starts for DrFeelGood_74:

(Start: 18 @45747 has 208 MA's), (Start: 25 @45645 has 14 MA's), (28, 45573), (33, 45492), (34, 45483),

Gene: DreamCatcher_81 Start: 48193, Stop: 47924, Start Num: 18

Candidate Starts for DreamCatcher_81:

(7, 48334), (Start: 18 @48193 has 208 MA's), (Start: 25 @48091 has 14 MA's), (28, 48019), (33, 47938),

Gene: Dreamboat_77 Start: 45675, Stop: 45406, Start Num: 18

Candidate Starts for Dreamboat_77:

(Start: 18 @45675 has 208 MA's), (Start: 25 @45573 has 14 MA's), (28, 45501), (33, 45420), (34, 45411),

Gene: Dulcie_79 Start: 49641, Stop: 49372, Start Num: 18

Candidate Starts for Dulcie_79:

(Start: 18 @49641 has 208 MA's), (Start: 25 @49539 has 14 MA's), (28, 49467), (33, 49386),

Gene: Dussy_77 Start: 47226, Stop: 46957, Start Num: 18

Candidate Starts for Dussy_77:

(Start: 18 @47226 has 208 MA's), (Start: 25 @47124 has 14 MA's), (28, 47052), (33, 46971),

Gene: Dynamix_77 Start: 46109, Stop: 45840, Start Num: 18

Candidate Starts for Dynamix_77:

(Start: 18 @46109 has 208 MA's), (Start: 25 @46007 has 14 MA's), (28, 45935), (31, 45917), (33, 45854), (34, 45845),

Gene: Edtherson_76 Start: 47285, Stop: 47016, Start Num: 18

Candidate Starts for Edtherson_76:

(6, 47474), (Start: 18 @47285 has 208 MA's), (Start: 25 @47183 has 14 MA's), (27, 47150), (28, 47111), (33, 47030), (34, 47021),

Gene: Emmina_43 Start: 34507, Stop: 34331, Start Num: 25

Candidate Starts for Emmina_43:

(Start: 25 @34507 has 14 MA's), (28, 34435), (31, 34417), (33, 34354), (34, 34345),

Gene: EnzoK_79 Start: 45567, Stop: 45298, Start Num: 18

Candidate Starts for EnzoK_79:

(2, 45870), (6, 45756), (Start: 18 @45567 has 208 MA's), (Start: 25 @45465 has 14 MA's), (28, 45393), (31, 45375), (33, 45312), (34, 45303),

Gene: Espresso_72 Start: 46330, Stop: 46061, Start Num: 18

Candidate Starts for Espresso_72:

(Start: 18 @46330 has 208 MA's), (Start: 25 @46228 has 14 MA's), (28, 46156), (33, 46075), (34, 46066),

Gene: Euphoria_79 Start: 48046, Stop: 47777, Start Num: 18

Candidate Starts for Euphoria_79:

(Start: 18 @48046 has 208 MA's), (Start: 25 @47944 has 14 MA's), (28, 47872), (33, 47791), (34, 47782),

Gene: Eyeball_77 Start: 47331, Stop: 47062, Start Num: 18

Candidate Starts for Eyeball_77:

(Start: 18 @47331 has 208 MA's), (19, 47292), (Start: 25 @47229 has 14 MA's), (28, 47157), (31, 47139), (33, 47076),

Gene: Fajezeel_81 Start: 48750, Stop: 48481, Start Num: 18

Candidate Starts for Fajezeel_81:

(Start: 18 @48750 has 208 MA's), (Start: 25 @48648 has 14 MA's), (28, 48576), (32, 48504), (33, 48495), (34, 48486),

Gene: Fascinus_73 Start: 47683, Stop: 47414, Start Num: 18

Candidate Starts for Fascinus_73:

(Start: 18 @47683 has 208 MA's), (Start: 25 @47581 has 14 MA's), (28, 47509), (33, 47428), (34, 47419),

Gene: Fenn_80 Start: 48214, Stop: 47945, Start Num: 18

Candidate Starts for Fenn_80:

(Start: 18 @48214 has 208 MA's), (Start: 25 @48112 has 14 MA's), (28, 48040), (32, 47968), (33, 47959), (34, 47950),

Gene: Forsytheast_80 Start: 48069, Stop: 47800, Start Num: 18

Candidate Starts for Forsytheast_80:

(Start: 18 @48069 has 208 MA's), (Start: 25 @47967 has 14 MA's), (28, 47895), (33, 47814),

Gene: Francis47_79 Start: 49766, Stop: 49497, Start Num: 18

Candidate Starts for Francis47_79:

(Start: 18 @49766 has 208 MA's), (Start: 25 @49664 has 14 MA's), (27, 49631), (28, 49592), (33, 49511), (34, 49502),

Gene: Fushigi_71 Start: 44212, Stop: 43946, Start Num: 18

Candidate Starts for Fushigi_71:

(Start: 18 @44212 has 208 MA's), (Start: 25 @44113 has 14 MA's), (28, 44041), (33, 43960), (34, 43951),

Gene: GMonster_75 Start: 47061, Stop: 46792, Start Num: 18

Candidate Starts for GMonster_75:

(Start: 18 @47061 has 208 MA's), (Start: 25 @46959 has 14 MA's), (28, 46887), (33, 46806),

Gene: GageAP_80 Start: 49119, Stop: 48850, Start Num: 18

Candidate Starts for GageAP_80:

(Start: 18 @49119 has 208 MA's), (Start: 25 @49017 has 14 MA's), (28, 48945), (31, 48927), (33, 48864),

Gene: Gandalf20_77 Start: 47615, Stop: 47346, Start Num: 18

Candidate Starts for Gandalf20_77:

(Start: 18 @47615 has 208 MA's), (Start: 25 @47513 has 14 MA's), (28, 47441), (33, 47360), (34, 47351),

Gene: Gompeii16_78 Start: 49766, Stop: 49497, Start Num: 18

Candidate Starts for Gompeii16_78:

(Start: 18 @49766 has 208 MA's), (Start: 25 @49664 has 14 MA's), (28, 49592), (33, 49511), (34, 49502),

Gene: Graduation_81 Start: 47896, Stop: 47627, Start Num: 18

Candidate Starts for Graduation_81:

(Start: 18 @47896 has 208 MA's), (Start: 25 @47794 has 14 MA's), (28, 47722), (33, 47641),

Gene: GrecoEtereo_82 Start: 49049, Stop: 48774, Start Num: 18

Candidate Starts for GrecoEtereo_82:

(9, 49151), (12, 49100), (13, 49091), (Start: 18 @49049 has 208 MA's), (21, 48986), (Start: 25 @48941 has 14 MA's), (28, 48869), (33, 48788), (34, 48779),

Gene: Greg_81 Start: 48750, Stop: 48481, Start Num: 18

Candidate Starts for Greg_81:

(Start: 18 @48750 has 208 MA's), (Start: 25 @48648 has 14 MA's), (28, 48576), (32, 48504), (33, 48495), (34, 48486),

Gene: GroundGoblin_72 Start: 45835, Stop: 45659, Start Num: 25

Candidate Starts for GroundGoblin_72:

(Start: 18 @45937 has 208 MA's), (Start: 25 @45835 has 14 MA's), (28, 45763), (31, 45745), (33, 45682), (34, 45673),

Gene: Gwendoluna_82 Start: 48880, Stop: 48611, Start Num: 18

Candidate Starts for Gwendoluna_82:

(Start: 18 @48880 has 208 MA's), (Start: 25 @48778 has 14 MA's), (28, 48706), (33, 48625), (34, 48616),

Gene: Gyzlar_70 Start: 44067, Stop: 43798, Start Num: 18

Candidate Starts for Gyzlar_70:

(Start: 18 @44067 has 208 MA's), (Start: 25 @43965 has 14 MA's), (28, 43893), (31, 43875), (33, 43812), (34, 43803),

Gene: Hami1_70 Start: 42108, Stop: 41839, Start Num: 18

Candidate Starts for Hami1_70:

(Start: 18 @42108 has 208 MA's), (Start: 25 @42006 has 14 MA's), (30, 41925), (33, 41853), (34, 41844),

Gene: HanShotFirst_75 Start: 47673, Stop: 47404, Start Num: 18

Candidate Starts for HanShotFirst_75:

(7, 47814), (Start: 18 @47673 has 208 MA's), (Start: 25 @47571 has 14 MA's), (33, 47418), (34, 47409),

Gene: HarryOW_79 Start: 49091, Stop: 48822, Start Num: 18

Candidate Starts for HarryOW_79:

(Start: 18 @49091 has 208 MA's), (Start: 25 @48989 has 14 MA's), (28, 48917), (33, 48836), (34, 48827),

Gene: Hermia_73 Start: 45987, Stop: 45709, Start Num: 18

Candidate Starts for Hermia_73:

(Start: 18 @45987 has 208 MA's), (Start: 25 @45885 has 14 MA's), (28, 45813), (31, 45795), (33, 45732), (34, 45723),

Gene: HermioneGrange_81 Start: 49184, Stop: 48915, Start Num: 18

Candidate Starts for HermioneGrange_81:

(Start: 18 @49184 has 208 MA's), (Start: 25 @49082 has 14 MA's), (28, 49010), (31, 48992), (33, 48929), (34, 48920),

Gene: Homines_66 Start: 42317, Stop: 42039, Start Num: 18

Candidate Starts for Homines_66:

(Start: 18 @42317 has 208 MA's), (Start: 25 @42215 has 14 MA's), (28, 42143), (31, 42125), (33, 42062), (34, 42053),

Gene: Hope4ever_79 Start: 47698, Stop: 47429, Start Num: 18

Candidate Starts for Hope4ever_79:

(6, 47887), (Start: 18 @47698 has 208 MA's), (Start: 25 @47596 has 14 MA's), (28, 47524), (31, 47506), (33, 47443), (34, 47434),

Gene: ILeeKay_75 Start: 45709, Stop: 45440, Start Num: 18

Candidate Starts for ILeeKay_75:

(Start: 18 @45709 has 208 MA's), (Start: 25 @45607 has 14 MA's), (28, 45535), (32, 45463), (33, 45454),

Gene: Ichabod_80 Start: 47956, Stop: 47687, Start Num: 18

Candidate Starts for Ichabod_80:

(Start: 18 @47956 has 208 MA's), (Start: 25 @47854 has 14 MA's), (28, 47782), (33, 47701),

Gene: IgnatiusPatJac_78 Start: 46746, Stop: 46477, Start Num: 18

Candidate Starts for IgnatiusPatJac_78:

(Start: 18 @46746 has 208 MA's), (Start: 25 @46644 has 14 MA's), (28, 46572), (33, 46491),

Gene: Inyanga_69 Start: 45800, Stop: 45633, Start Num: 25

Candidate Starts for Inyanga_69:

(Start: 18 @45902 has 208 MA's), (Start: 25 @45800 has 14 MA's), (28, 45728), (33, 45647), (34, 45638),

Gene: Iqorha_69 Start: 45799, Stop: 45632, Start Num: 25

Candidate Starts for Iqorha_69:

(Start: 18 @45901 has 208 MA's), (Start: 25 @45799 has 14 MA's), (28, 45727), (33, 45646), (34, 45637),

Gene: JC27_81 Start: 47825, Stop: 47556, Start Num: 18

Candidate Starts for JC27_81:

(Start: 18 @47825 has 208 MA's), (Start: 25 @47723 has 14 MA's), (28, 47651), (33, 47570), (34, 47561),

Gene: JackSparrow_78 Start: 46809, Stop: 46540, Start Num: 18

Candidate Starts for JackSparrow_78:

(5, 47031), (6, 46998), (Start: 18 @46809 has 208 MA's), (Start: 25 @46707 has 14 MA's), (28, 46635), (33, 46554), (34, 46545),

Gene: Jasper_76 Start: 45561, Stop: 45292, Start Num: 18

Candidate Starts for Jasper_76:

(Start: 18 @45561 has 208 MA's), (Start: 25 @45459 has 14 MA's), (28, 45387), (33, 45306), (34, 45297),

Gene: Jerm2_79 Start: 49254, Stop: 48985, Start Num: 18

Candidate Starts for Jerm2_79:

(Start: 18 @49254 has 208 MA's), (Start: 25 @49152 has 14 MA's), (28, 49080), (31, 49062), (33, 48999), (34, 48990),

Gene: Jorgensen_87 Start: 49298, Stop: 49029, Start Num: 18

Candidate Starts for Jorgensen_87:

(Start: 18 @49298 has 208 MA's), (Start: 25 @49196 has 14 MA's), (28, 49124), (33, 49043), (34, 49034),

Gene: JuliaChild_79 Start: 47974, Stop: 47705, Start Num: 18

Candidate Starts for JuliaChild_79:

(Start: 18 @47974 has 208 MA's), (Start: 25 @47872 has 14 MA's), (28, 47800), (33, 47719),

Gene: KBG_76 Start: 48629, Stop: 48360, Start Num: 18

Candidate Starts for KBG_76:

(Start: 18 @48629 has 208 MA's), (Start: 25 @48527 has 14 MA's), (28, 48455), (33, 48374), (34, 48365),

Gene: KSSJEB_75 Start: 46188, Stop: 45922, Start Num: 18

Candidate Starts for KSSJEB_75:

(Start: 18 @46188 has 208 MA's), (Start: 25 @46089 has 14 MA's), (28, 46017), (33, 45936), (34, 45927),

Gene: Kanely_81 Start: 48369, Stop: 48100, Start Num: 18

Candidate Starts for Kanely_81:

(7, 48510), (Start: 18 @48369 has 208 MA's), (Start: 25 @48267 has 14 MA's), (33, 48114), (34, 48105),

Gene: Kenmech_80 Start: 48352, Stop: 48083, Start Num: 18

Candidate Starts for Kenmech_80:

(Start: 18 @48352 has 208 MA's), (Start: 25 @48250 has 14 MA's), (28, 48178), (33, 48097),

Gene: KikiBouba_74 Start: 45796, Stop: 45518, Start Num: 18

Candidate Starts for KikiBouba_74:

(Start: 18 @45796 has 208 MA's), (Start: 25 @45694 has 14 MA's), (28, 45622), (31, 45604), (33, 45541), (34, 45532),

Gene: Killigrew_74 Start: 46400, Stop: 46131, Start Num: 18

Candidate Starts for Killigrew_74:

(Start: 18 @46400 has 208 MA's), (Start: 25 @46298 has 14 MA's), (33, 46145), (34, 46136),

Gene: Kugel_79 Start: 48042, Stop: 47773, Start Num: 18

Candidate Starts for Kugel_79:

(Start: 18 @48042 has 208 MA's), (Start: 25 @47940 has 14 MA's), (28, 47868), (33, 47787), (34, 47778),

Gene: KyMonks1A_84 Start: 48683, Stop: 48414, Start Num: 18

Candidate Starts for KyMonks1A_84:

(Start: 18 @48683 has 208 MA's), (Start: 25 @48581 has 14 MA's), (28, 48509), (33, 48428),

Gene: Kykar_77 Start: 47081, Stop: 46812, Start Num: 18

Candidate Starts for Kykar_77:

(Start: 18 @47081 has 208 MA's), (Start: 25 @46979 has 14 MA's), (28, 46907), (33, 46826), (34, 46817),

Gene: Lamina13_81 Start: 49534, Stop: 49265, Start Num: 18

Candidate Starts for Lamina13_81:

(Start: 18 @49534 has 208 MA's), (Start: 25 @49432 has 14 MA's), (28, 49360), (31, 49342), (33, 49279), (34, 49270),

Gene: Lesedi_75 Start: 45840, Stop: 45571, Start Num: 18

Candidate Starts for Lesedi_75:

(Start: 18 @45840 has 208 MA's), (Start: 25 @45738 has 14 MA's), (28, 45666), (33, 45585),

Gene: Levia_72 Start: 45378, Stop: 45109, Start Num: 18

Candidate Starts for Levia_72:

(Start: 18 @45378 has 208 MA's), (Start: 25 @45276 has 14 MA's), (28, 45204), (33, 45123),

Gene: Licorice_80 Start: 49670, Stop: 49401, Start Num: 18

Candidate Starts for Licorice_80:

(Start: 18 @49670 has 208 MA's), (Start: 25 @49568 has 14 MA's), (28, 49496), (33, 49415), (34, 49406),

Gene: Lopton_77 Start: 48685, Stop: 48416, Start Num: 18

Candidate Starts for Lopton_77:

(Start: 18 @48685 has 208 MA's), (Start: 25 @48583 has 14 MA's), (28, 48511), (33, 48430),

Gene: MPlant7149_78 Start: 47239, Stop: 46970, Start Num: 18

Candidate Starts for MPlant7149_78:

(Start: 18 @47239 has 208 MA's), (Start: 25 @47137 has 14 MA's), (28, 47065), (33, 46984),

Gene: Magnar_74 Start: 46550, Stop: 46281, Start Num: 18

Candidate Starts for Magnar_74:

(Start: 18 @46550 has 208 MA's), (Start: 25 @46448 has 14 MA's), (28, 46376), (33, 46295), (34, 46286),

Gene: Magnito_77 Start: 46668, Stop: 46399, Start Num: 18

Candidate Starts for Magnito_77:

(Start: 18 @46668 has 208 MA's), (Start: 25 @46566 has 14 MA's), (28, 46494), (33, 46413), (34, 46404),

Gene: Makemake_81 Start: 48290, Stop: 48021, Start Num: 18

Candidate Starts for Makemake_81:

(Start: 18 @48290 has 208 MA's), (Start: 25 @48188 has 14 MA's), (28, 48116), (33, 48035), (34, 48026),

Gene: Manatee_76 Start: 46220, Stop: 45951, Start Num: 18

Candidate Starts for Manatee_76:

(Start: 18 @46220 has 208 MA's), (Start: 25 @46118 has 14 MA's), (28, 46046), (33, 45965), (34, 45956),

Gene: Marcell_70 Start: 44815, Stop: 44546, Start Num: 18

Candidate Starts for Marcell_70:

(Start: 18 @44815 has 208 MA's), (Start: 25 @44713 has 14 MA's), (28, 44641), (33, 44560), (34, 44551),

Gene: Marchy_69 Start: 43619, Stop: 43350, Start Num: 18

Candidate Starts for Marchy_69:

(Start: 18 @43619 has 208 MA's), (Start: 25 @43517 has 14 MA's), (30, 43436), (33, 43364), (34, 43355),

Gene: Marge_74 Start: 46312, Stop: 46043, Start Num: 18

Candidate Starts for Marge_74:

(Start: 18 @46312 has 208 MA's), (Start: 25 @46210 has 14 MA's), (28, 46138), (31, 46120), (33, 46057), (34, 46048),

Gene: Maroc7_79 Start: 49111, Stop: 48842, Start Num: 18

Candidate Starts for Maroc7_79:

(Start: 18 @49111 has 208 MA's), (Start: 25 @49009 has 14 MA's), (28, 48937), (33, 48856), (34, 48847),

Gene: Marsha_78 Start: 49115, Stop: 48846, Start Num: 18

Candidate Starts for Marsha_78:

(Start: 18 @49115 has 208 MA's), (Start: 25 @49013 has 14 MA's), (28, 48941), (33, 48860),

Gene: MaryBeth_76 Start: 47510, Stop: 47241, Start Num: 18

Candidate Starts for MaryBeth_76:

(7, 47651), (Start: 18 @47510 has 208 MA's), (Start: 25 @47408 has 14 MA's), (28, 47336), (33, 47255),

Gene: McGuire_77 Start: 46351, Stop: 46082, Start Num: 18

Candidate Starts for McGuire_77:

(Start: 18 @46351 has 208 MA's), (Start: 25 @46249 has 14 MA's), (28, 46177), (31, 46159), (33, 46096), (34, 46087),

Gene: McSinger_76 Start: 47481, Stop: 47212, Start Num: 18

Candidate Starts for McSinger_76:

(Start: 18 @47481 has 208 MA's), (Start: 25 @47379 has 14 MA's), (28, 47307), (33, 47226), (34, 47217),

Gene: MetalQZJ_75 Start: 47510, Stop: 47241, Start Num: 18

Candidate Starts for MetalQZJ_75:

(7, 47651), (Start: 18 @47510 has 208 MA's), (Start: 25 @47408 has 14 MA's), (28, 47336), (33, 47255),

Gene: Michley_78 Start: 47079, Stop: 46810, Start Num: 18

Candidate Starts for Michley_78:

(Start: 18 @47079 has 208 MA's), (Start: 25 @46977 has 14 MA's), (28, 46905), (33, 46824), (34, 46815),

Gene: MilleFeuille_79 Start: 46752, Stop: 46483, Start Num: 18

Candidate Starts for MilleFeuille_79:

(Start: 18 @46752 has 208 MA's), (Start: 25 @46650 has 14 MA's), (28, 46578), (33, 46497), (34, 46488),

Gene: Mkhuseleli_75 Start: 45140, Stop: 44973, Start Num: 25

Candidate Starts for Mkhuseleli_75:

(Start: 18 @45242 has 208 MA's), (Start: 25 @45140 has 14 MA's), (28, 45068), (33, 44987), (34, 44978),

Gene: Molly_78 Start: 46899, Stop: 46627, Start Num: 18

Candidate Starts for Molly_78:

(Start: 18 @46899 has 208 MA's), (Start: 25 @46794 has 14 MA's), (28, 46722), (33, 46641),

Gene: Monet_81 Start: 48761, Stop: 48492, Start Num: 18

Candidate Starts for Monet_81:

(6, 48950), (Start: 18 @48761 has 208 MA's), (Start: 25 @48659 has 14 MA's), (27, 48626), (28, 48587), (33, 48506), (34, 48497),

Gene: Moose_80 Start: 48069, Stop: 47800, Start Num: 18

Candidate Starts for Moose_80:

(Start: 18 @48069 has 208 MA's), (Start: 25 @47967 has 14 MA's), (28, 47895), (33, 47814),

Gene: MrGordo_79 Start: 46848, Stop: 46579, Start Num: 18

Candidate Starts for MrGordo_79:

(Start: 18 @46848 has 208 MA's), (Start: 25 @46746 has 14 MA's), (28, 46674), (33, 46593), (34, 46584),

Gene: Mryolo_73 Start: 45854, Stop: 45585, Start Num: 18

Candidate Starts for Mryolo_73:

(Start: 18 @45854 has 208 MA's), (Start: 25 @45752 has 14 MA's), (28, 45680), (31, 45662), (33, 45599),

Gene: Mule_78 Start: 47141, Stop: 46872, Start Num: 18

Candidate Starts for Mule_78:

(Start: 18 @47141 has 208 MA's), (Start: 25 @47039 has 14 MA's), (28, 46967), (33, 46886), (34, 46877),

Gene: Museum_78 Start: 47962, Stop: 47690, Start Num: 18

Candidate Starts for Museum_78:

(Start: 18 @47962 has 208 MA's), (Start: 25 @47857 has 14 MA's), (28, 47785), (33, 47704),

Gene: NEHalo_74 Start: 46772, Stop: 46500, Start Num: 18

Candidate Starts for NEHalo_74:

(Start: 18 @46772 has 208 MA's), (Start: 25 @46667 has 14 MA's), (28, 46595), (33, 46514),

Gene: Naira_79 Start: 48270, Stop: 48001, Start Num: 18

Candidate Starts for Naira_79:

(Start: 18 @48270 has 208 MA's), (Start: 25 @48168 has 14 MA's), (28, 48096), (32, 48024), (33, 48015), (34, 48006),

Gene: Nerujay_82 Start: 49338, Stop: 49069, Start Num: 18

Candidate Starts for Nerujay_82:

(Start: 18 @49338 has 208 MA's), (Start: 25 @49236 has 14 MA's), (28, 49164), (31, 49146), (33, 49083), (34, 49074),

Gene: Nhonho_74 Start: 47135, Stop: 46866, Start Num: 18

Candidate Starts for Nhonho_74:

(Start: 18 @47135 has 208 MA's), (Start: 25 @47033 has 14 MA's), (28, 46961), (33, 46880), (34, 46871),

Gene: Niza_78 Start: 48242, Stop: 47973, Start Num: 18

Candidate Starts for Niza_78:

(Start: 18 @48242 has 208 MA's), (Start: 25 @48140 has 14 MA's), (28, 48068), (33, 47987),

Gene: NonchalantPear_43 Start: 34547, Stop: 34335, Start Num: 24

Candidate Starts for NonchalantPear_43:

(20, 34559), (Start: 24 @34547 has 1 MA's), (Start: 25 @34511 has 14 MA's), (28, 34439), (31, 34421), (33, 34358), (34, 34349),

Gene: Norz_73 Start: 48260, Stop: 47991, Start Num: 18

Candidate Starts for Norz_73:

(Start: 18 @48260 has 208 MA's), (Start: 25 @48158 has 14 MA's), (28, 48086), (33, 48005), (34, 47996),

Gene: Noxious_74 Start: 45987, Stop: 45709, Start Num: 18

Candidate Starts for Noxious_74:

(Start: 18 @45987 has 208 MA's), (Start: 25 @45885 has 14 MA's), (28, 45813), (31, 45795), (33, 45732), (34, 45723),

Gene: Ohno789_81 Start: 48992, Stop: 48723, Start Num: 18

Candidate Starts for Ohno789_81:

(Start: 18 @48992 has 208 MA's), (Start: 25 @48890 has 14 MA's), (28, 48818), (33, 48737),

Gene: Oogway_76 Start: 47549, Stop: 47382, Start Num: 25

Candidate Starts for Oogway_76:

(Start: 18 @47651 has 208 MA's), (Start: 25 @47549 has 14 MA's), (28, 47477), (33, 47396), (34, 47387),

Gene: PSullivan_76 Start: 46042, Stop: 45773, Start Num: 18

Candidate Starts for PSullivan_76:

(Start: 18 @46042 has 208 MA's), (Start: 25 @45940 has 14 MA's), (28, 45868), (33, 45787),

Gene: PacerPaul_82 Start: 49133, Stop: 48864, Start Num: 18

Candidate Starts for PacerPaul_82:

(Start: 18 @49133 has 208 MA's), (Start: 25 @49031 has 14 MA's), (27, 48998), (28, 48959), (33, 48878), (34, 48869),

Gene: Papez_79 Start: 48159, Stop: 47992, Start Num: 25

Candidate Starts for Papez_79:

(Start: 18 @48258 has 208 MA's), (Start: 25 @48159 has 14 MA's), (28, 48087), (33, 48006), (34, 47997),

Gene: Paphu_75 Start: 46857, Stop: 46588, Start Num: 18

Candidate Starts for Paphu_75:

(Start: 18 @46857 has 208 MA's), (Start: 25 @46755 has 14 MA's), (28, 46683), (33, 46602), (34, 46593),

Gene: Paraselene_75 Start: 46941, Stop: 46675, Start Num: 18

Candidate Starts for Paraselene_75:

(Start: 18 @46941 has 208 MA's), (Start: 25 @46842 has 14 MA's), (28, 46770), (31, 46752), (33, 46689), (34, 46680),

Gene: Pari_83 Start: 47836, Stop: 47567, Start Num: 18

Candidate Starts for Pari_83:

(Start: 18 @47836 has 208 MA's), (Start: 25 @47734 has 14 MA's), (28, 47662), (33, 47581), (34, 47572),

Gene: Parliament_79 Start: 50017, Stop: 49748, Start Num: 18

Candidate Starts for Parliament_79:

(Start: 18 @50017 has 208 MA's), (Start: 25 @49915 has 14 MA's), (33, 49762), (34, 49753),

Gene: PascalRango_76 Start: 47111, Stop: 46842, Start Num: 18

Candidate Starts for PascalRango_76:

(Start: 18 @47111 has 208 MA's), (Start: 25 @47009 has 14 MA's), (28, 46937), (33, 46856), (34, 46847),

Gene: PattyP_78 Start: 47668, Stop: 47396, Start Num: 18

Candidate Starts for PattyP_78:

(Start: 18 @47668 has 208 MA's), (Start: 25 @47563 has 14 MA's), (28, 47491), (33, 47410),

Gene: Pelly_81 Start: 50381, Stop: 50112, Start Num: 18

Candidate Starts for Pelly_81:

(Start: 18 @50381 has 208 MA's), (Start: 25 @50279 has 14 MA's), (28, 50207), (33, 50126), (34, 50117),

Gene: Pepe_71 Start: 44846, Stop: 44679, Start Num: 25

Candidate Starts for Pepe_71:

(9, 45053), (13, 44993), (Start: 18 @44951 has 208 MA's), (21, 44891), (Start: 25 @44846 has 14 MA's), (28, 44774), (33, 44693),

Gene: Perseus_78 Start: 49098, Stop: 48829, Start Num: 18

Candidate Starts for Perseus_78:

(Start: 18 @49098 has 208 MA's), (Start: 25 @48996 has 14 MA's), (28, 48924), (33, 48843),

Gene: Peterson_76 Start: 48092, Stop: 47823, Start Num: 18

Candidate Starts for Peterson_76:

(1, 48413), (3, 48341), (4, 48335), (6, 48281), (Start: 18 @48092 has 208 MA's), (Start: 25 @47990 has 14 MA's), (28, 47918), (33, 47837), (34, 47828),

Gene: Petp2012_78 Start: 48274, Stop: 48005, Start Num: 18

Candidate Starts for Petp2012_78:

(Start: 18 @48274 has 208 MA's), (Start: 25 @48172 has 14 MA's), (28, 48100), (33, 48019), (34, 48010),

Gene: Petruchio_78 Start: 46510, Stop: 46244, Start Num: 18

Candidate Starts for Petruchio_78:

(Start: 18 @46510 has 208 MA's), (Start: 25 @46411 has 14 MA's), (28, 46339), (33, 46258), (34, 46249),

Gene: PherrisBueller_76 Start: 45212, Stop: 44943, Start Num: 18

Candidate Starts for PherrisBueller_76:

(Start: 18 @45212 has 208 MA's), (Start: 25 @45110 has 14 MA's), (28, 45038), (33, 44957), (34, 44948),

Gene: PhineBark_74 Start: 46396, Stop: 46127, Start Num: 18

Candidate Starts for PhineBark_74:

(Start: 18 @46396 has 208 MA's), (Start: 25 @46294 has 14 MA's), (28, 46222), (33, 46141),

Gene: Phlippers_75 Start: 48575, Stop: 48306, Start Num: 18

Candidate Starts for Phlippers_75:

(Start: 18 @48575 has 208 MA's), (Start: 25 @48473 has 14 MA's), (28, 48401), (33, 48320), (34, 48311),

Gene: PhrostyMug_80 Start: 49311, Stop: 49042, Start Num: 18

Candidate Starts for PhrostyMug_80:

(Start: 18 @49311 has 208 MA's), (Start: 25 @49209 has 14 MA's), (28, 49137), (33, 49056), (34, 49047),

Gene: PinkPlastic_73 Start: 45860, Stop: 45591, Start Num: 18

Candidate Starts for PinkPlastic_73:

(Start: 18 @45860 has 208 MA's), (Start: 25 @45758 has 14 MA's), (28, 45686), (33, 45605),

Gene: Pinto_77 Start: 47723, Stop: 47454, Start Num: 18

Candidate Starts for Pinto_77:

(Start: 18 @47723 has 208 MA's), (Start: 25 @47621 has 14 MA's), (28, 47549), (33, 47468), (34, 47459),

Gene: Pippin_78 Start: 47365, Stop: 47096, Start Num: 18

Candidate Starts for Pippin_78:

(7, 47506), (Start: 18 @47365 has 208 MA's), (19, 47326), (Start: 25 @47263 has 14 MA's), (28, 47191), (31, 47173), (33, 47110), (34, 47101),

Gene: Pita2_79 Start: 47538, Stop: 47269, Start Num: 18

Candidate Starts for Pita2_79:

(Start: 18 @47538 has 208 MA's), (Start: 25 @47436 has 14 MA's), (28, 47364), (33, 47283),

Gene: Porky_41 Start: 34516, Stop: 34340, Start Num: 25

Candidate Starts for Porky_41:

(20, 34564), (Start: 24 @34552 has 1 MA's), (Start: 25 @34516 has 14 MA's), (28, 34444), (31, 34426), (33, 34363), (34, 34354),

Gene: PowerRanger_73 Start: 47298, Stop: 47029, Start Num: 18

Candidate Starts for PowerRanger_73:

(Start: 18 @47298 has 208 MA's), (Start: 25 @47196 has 14 MA's), (28, 47124), (33, 47043), (34, 47034),

Gene: ProMouse_77 Start: 46763, Stop: 46596, Start Num: 25

Candidate Starts for ProMouse_77:

(Start: 18 @46865 has 208 MA's), (Start: 25 @46763 has 14 MA's), (28, 46691), (33, 46610),

Gene: Puppet_74 Start: 47755, Stop: 47486, Start Num: 18

Candidate Starts for Puppet_74:

(Start: 18 @47755 has 208 MA's), (19, 47716), (Start: 25 @47653 has 14 MA's), (28, 47581), (31, 47563), (33, 47500),

Gene: QTRLifeCrisis_77 Start: 46897, Stop: 46619, Start Num: 18

Candidate Starts for QTRLifeCrisis_77:

(Start: 18 @46897 has 208 MA's), (Start: 25 @46795 has 14 MA's), (33, 46642), (34, 46633),

Gene: Raid_75 Start: 46764, Stop: 46495, Start Num: 18

Candidate Starts for Raid_75:

(Start: 18 @46764 has 208 MA's), (Start: 25 @46662 has 14 MA's), (28, 46590), (33, 46509), (34, 46500),

Gene: Rajelicia_79 Start: 49546, Stop: 49277, Start Num: 18

Candidate Starts for Rajelicia_79:

(6, 49735), (Start: 18 @49546 has 208 MA's), (Start: 25 @49444 has 14 MA's), (28, 49372), (33, 49291), (34, 49282),

Gene: Rhynn_74 Start: 47488, Stop: 47219, Start Num: 18

Candidate Starts for Rhynn_74:

(Start: 18 @47488 has 208 MA's), (Start: 25 @47386 has 14 MA's), (28, 47314), (32, 47242), (33, 47233), (34, 47224),

Gene: Ringer_78 Start: 48455, Stop: 48186, Start Num: 18

Candidate Starts for Ringer_78:

(Start: 18 @48455 has 208 MA's), (Start: 25 @48353 has 14 MA's), (28, 48281), (33, 48200), (34, 48191),

Gene: Rohr_80 Start: 49329, Stop: 49060, Start Num: 18

Candidate Starts for Rohr_80:

(Start: 18 @49329 has 208 MA's), (Start: 25 @49227 has 14 MA's), (28, 49155), (31, 49137), (33, 49074), (34, 49065),

Gene: Rubeus_78 Start: 45829, Stop: 45560, Start Num: 18

Candidate Starts for Rubeus_78:

(Start: 18 @45829 has 208 MA's), (Start: 25 @45727 has 14 MA's), (28, 45655), (33, 45574), (34, 45565),

Gene: Rufus_80 Start: 48518, Stop: 48249, Start Num: 18

Candidate Starts for Rufus_80:

(Start: 18 @48518 has 208 MA's), (Start: 25 @48416 has 14 MA's), (28, 48344), (31, 48326), (33, 48263), (34, 48254),

Gene: Ruotula_82 Start: 49201, Stop: 48932, Start Num: 18

Candidate Starts for Ruotula_82:

(7, 49342), (Start: 18 @49201 has 208 MA's), (Start: 25 @49099 has 14 MA's), (28, 49027), (33, 48946), (34, 48937),

Gene: Rutherferd_80 Start: 48283, Stop: 48014, Start Num: 18

Candidate Starts for Rutherferd_80:

(6, 48472), (Start: 18 @48283 has 208 MA's), (22, 48223), (Start: 25 @48181 has 14 MA's), (28, 48109), (33, 48028), (34, 48019),

Gene: STLscum_84 Start: 48312, Stop: 48043, Start Num: 18

Candidate Starts for STLscum_84:

(Start: 18 @48312 has 208 MA's), (Start: 25 @48210 has 14 MA's), (28, 48138), (33, 48057),

Gene: Sagefire_74 Start: 47188, Stop: 46919, Start Num: 18

Candidate Starts for Sagefire_74:

(Start: 18 @47188 has 208 MA's), (Start: 25 @47086 has 14 MA's), (28, 47014), (33, 46933), (34, 46924),

Gene: Sandaddy_76 Start: 47590, Stop: 47423, Start Num: 25

Candidate Starts for Sandaddy_76:

(Start: 18 @47692 has 208 MA's), (Start: 25 @47590 has 14 MA's), (28, 47518), (31, 47500), (33, 47437), (34, 47428),

Gene: Sanya_76 Start: 47723, Stop: 47556, Start Num: 25

Candidate Starts for Sanya_76:

(Start: 18 @47825 has 208 MA's), (Start: 25 @47723 has 14 MA's), (28, 47651), (33, 47570), (34, 47561),

Gene: SarFire_81 Start: 49162, Stop: 48893, Start Num: 18

Candidate Starts for SarFire_81:

(Start: 18 @49162 has 208 MA's), (Start: 25 @49060 has 14 MA's), (28, 48988), (33, 48907),

Gene: Scowl_78 Start: 47485, Stop: 47216, Start Num: 18

Candidate Starts for Scowl_78:

(Start: 18 @47485 has 208 MA's), (Start: 25 @47383 has 14 MA's), (28, 47311), (31, 47293), (33, 47230), (34, 47221),

Gene: Seabiscuit_78 Start: 46585, Stop: 46316, Start Num: 18

Candidate Starts for Seabiscuit_78:

(Start: 18 @46585 has 208 MA's), (Start: 25 @46483 has 14 MA's), (28, 46411), (33, 46330),

Gene: Seanderson_77 Start: 48889, Stop: 48620, Start Num: 18

Candidate Starts for Seanderson_77:

(Start: 18 @48889 has 208 MA's), (Start: 25 @48787 has 14 MA's), (28, 48715), (33, 48634), (34, 48625),

Gene: ShortQueendom_72 Start: 45194, Stop: 44925, Start Num: 18

Candidate Starts for ShortQueendom_72:

(Start: 18 @45194 has 208 MA's), (Start: 25 @45092 has 14 MA's), (28, 45020), (31, 45002), (33, 44939),

Gene: Sibs6_78 Start: 45006, Stop: 44737, Start Num: 18

Candidate Starts for Sibs6_78:

(Start: 18 @45006 has 208 MA's), (Start: 25 @44904 has 14 MA's), (28, 44832), (33, 44751),

Gene: SkiPole_86 Start: 48493, Stop: 48221, Start Num: 18

Candidate Starts for SkiPole_86:

(9, 48595), (13, 48535), (Start: 18 @48493 has 208 MA's), (21, 48433), (Start: 25 @48388 has 14 MA's), (28, 48316), (33, 48235),

Gene: Slagathor_78 Start: 48349, Stop: 48077, Start Num: 18

Candidate Starts for Slagathor_78:

(Start: 18 @48349 has 208 MA's), (Start: 25 @48244 has 14 MA's), (28, 48172), (33, 48091),

Gene: Smairt_83 Start: 50328, Stop: 50059, Start Num: 18

Candidate Starts for Smairt_83:

(Start: 18 @50328 has 208 MA's), (Start: 25 @50226 has 14 MA's), (28, 50154), (33, 50073), (34, 50064),

Gene: Snazzy_78 Start: 47997, Stop: 47728, Start Num: 18

Candidate Starts for Snazzy_78:

(Start: 18 @47997 has 208 MA's), (Start: 25 @47895 has 14 MA's), (28, 47823), (33, 47742),

Gene: Solon_73 Start: 45632, Stop: 45363, Start Num: 18

Candidate Starts for Solon_73:

(Start: 18 @45632 has 208 MA's), (Start: 25 @45530 has 14 MA's), (28, 45458), (33, 45377), (34, 45368),

Gene: Sorpresa_77 Start: 47698, Stop: 47429, Start Num: 18

Candidate Starts for Sorpresa_77:

(Start: 18 @47698 has 208 MA's), (Start: 25 @47596 has 14 MA's), (28, 47524), (31, 47506), (33, 47443), (34, 47434),

Gene: SpikeBT_75 Start: 46626, Stop: 46357, Start Num: 18

Candidate Starts for SpikeBT_75:

(Start: 18 @46626 has 208 MA's), (Start: 25 @46524 has 14 MA's), (28, 46452), (33, 46371),

Gene: Squee_78 Start: 47070, Stop: 46801, Start Num: 18

Candidate Starts for Squee_78:

(6, 47259), (Start: 18 @47070 has 208 MA's), (Start: 25 @46968 has 14 MA's), (28, 46896), (33, 46815),

Gene: Stellammi_194 Start: 87432, Stop: 87641, Start Num: 23

Candidate Starts for Stellammi_194:

(Start: 23 @87432 has 1 MA's), (29, 87549), (33, 87627),

Gene: StewieG_73 Start: 44776, Stop: 44507, Start Num: 18

Candidate Starts for StewieG_73:

(Start: 18 @44776 has 208 MA's), (Start: 25 @44674 has 14 MA's), (28, 44602), (33, 44521),

Gene: StrongArm_73 Start: 47002, Stop: 46733, Start Num: 18

Candidate Starts for StrongArm_73:

(Start: 18 @47002 has 208 MA's), (Start: 25 @46900 has 14 MA's), (28, 46828), (33, 46747), (34, 46738),

Gene: Sumter_75 Start: 48350, Stop: 48081, Start Num: 18

Candidate Starts for Sumter_75:

(Start: 18 @48350 has 208 MA's), (Start: 25 @48248 has 14 MA's), (28, 48176), (33, 48095), (34, 48086),

Gene: Sunshine924_80 Start: 47137, Stop: 46868, Start Num: 18

Candidate Starts for Sunshine924_80:

(6, 47326), (Start: 18 @47137 has 208 MA's), (Start: 25 @47035 has 14 MA's), (28, 46963), (31, 46945), (33, 46882), (34, 46873),

Gene: SwissCheese_82 Start: 47689, Stop: 47420, Start Num: 18

Candidate Starts for SwissCheese_82:

(Start: 18 @47689 has 208 MA's), (Start: 25 @47587 has 14 MA's), (28, 47515), (33, 47434), (34, 47425),

Gene: Switzer_76 Start: 47461, Stop: 47192, Start Num: 18

Candidate Starts for Switzer_76:

(6, 47650), (Start: 18 @47461 has 208 MA's), (Start: 25 @47359 has 14 MA's), (32, 47215), (33, 47206), (34, 47197),

Gene: Swole_79 Start: 47448, Stop: 47179, Start Num: 18

Candidate Starts for Swole_79:

(Start: 18 @47448 has 208 MA's), (Start: 25 @47346 has 14 MA's), (28, 47274), (33, 47193),

Gene: Target_77 Start: 46094, Stop: 45825, Start Num: 18

Candidate Starts for Target_77:

(Start: 18 @46094 has 208 MA's), (Start: 25 @45992 has 14 MA's), (28, 45920), (33, 45839), (34, 45830),

Gene: Tasp14_77 Start: 47736, Stop: 47467, Start Num: 18

Candidate Starts for Tasp14_77:

(Start: 18 @47736 has 208 MA's), (Start: 25 @47634 has 14 MA's), (33, 47481), (34, 47472),

Gene: Teaspoon_44 Start: 35222, Stop: 35046, Start Num: 25

Candidate Starts for Teaspoon_44:

(Start: 25 @35222 has 14 MA's), (28, 35150), (31, 35132), (33, 35069), (34, 35060),

Gene: Teodoridan_75 Start: 45299, Stop: 45132, Start Num: 25

Candidate Starts for Teodoridan_75:

(Start: 18 @45401 has 208 MA's), (Start: 25 @45299 has 14 MA's), (28, 45227), (33, 45146), (34, 45137),

Gene: TheloniousMonk_79 Start: 48786, Stop: 48517, Start Num: 18

Candidate Starts for TheloniousMonk_79:

(Start: 18 @48786 has 208 MA's), (Start: 25 @48684 has 14 MA's), (28, 48612), (31, 48594), (32, 48540), (33, 48531), (34, 48522),

Gene: Thor_81 Start: 48520, Stop: 48251, Start Num: 18

Candidate Starts for Thor_81:

(Start: 18 @48520 has 208 MA's), (Start: 25 @48418 has 14 MA's), (28, 48346), (33, 48265),

Gene: Topgun_73 Start: 45738, Stop: 45469, Start Num: 18

Candidate Starts for Topgun_73:

(Start: 18 @45738 has 208 MA's), (Start: 25 @45636 has 14 MA's), (28, 45564), (33, 45483), (34, 45474),

Gene: Tote_74 Start: 44716, Stop: 44447, Start Num: 18

Candidate Starts for Tote_74:

(Start: 18 @44716 has 208 MA's), (Start: 25 @44614 has 14 MA's), (28, 44542), (33, 44461),

Gene: Traft412_77 Start: 47819, Stop: 47550, Start Num: 18

Candidate Starts for Traft412_77:

(6, 48008), (Start: 18 @47819 has 208 MA's), (Start: 25 @47717 has 14 MA's), (28, 47645), (33, 47564), (34, 47555),

Gene: Treddle_79 Start: 48549, Stop: 48280, Start Num: 18

Candidate Starts for Treddle_79:

(Start: 18 @48549 has 208 MA's), (Start: 25 @48447 has 14 MA's), (28, 48375), (33, 48294), (34, 48285),

Gene: Tripl3t_81 Start: 50261, Stop: 49992, Start Num: 18

Candidate Starts for Tripl3t_81:

(Start: 18 @50261 has 208 MA's), (Start: 25 @50159 has 14 MA's), (28, 50087), (33, 50006), (34, 49997),

Gene: Trouble_78 Start: 47927, Stop: 47658, Start Num: 18

Candidate Starts for Trouble_78:

(Start: 18 @47927 has 208 MA's), (Start: 25 @47825 has 14 MA's), (28, 47753), (33, 47672), (34, 47663),

Gene: Turj99_74 Start: 47279, Stop: 47010, Start Num: 18

Candidate Starts for Turj99_74:

(Start: 18 @47279 has 208 MA's), (Start: 25 @47177 has 14 MA's), (28, 47105), (33, 47024), (34, 47015),

Gene: TwoPeat_77 Start: 47081, Stop: 46812, Start Num: 18

Candidate Starts for TwoPeat_77:

(6, 47270), (Start: 18 @47081 has 208 MA's), (Start: 25 @46979 has 14 MA's), (26, 46949), (28, 46907), (31, 46889), (33, 46826), (34, 46817),

Gene: U2_72 Start: 47490, Stop: 47221, Start Num: 18

Candidate Starts for U2_72:

(Start: 18 @47490 has 208 MA's), (Start: 25 @47388 has 14 MA's), (28, 47316), (33, 47235), (34, 47226),

Gene: Violet_72 Start: 47713, Stop: 47444, Start Num: 18

Candidate Starts for Violet_72:

(Start: 18 @47713 has 208 MA's), (Start: 25 @47611 has 14 MA's), (28, 47539), (31, 47521), (32, 47467), (33, 47458), (34, 47449),

Gene: Watermelon_81 Start: 48795, Stop: 48526, Start Num: 18

Candidate Starts for Watermelon_81:

(Start: 18 @48795 has 208 MA's), (Start: 25 @48693 has 14 MA's), (28, 48621), (31, 48603), (33, 48540), (34, 48531),

Gene: Wheeler_83 Start: 49524, Stop: 49246, Start Num: 18

Candidate Starts for Wheeler_83:

(Start: 18 @49524 has 208 MA's), (Start: 25 @49422 has 14 MA's), (28, 49350), (31, 49332), (33, 49269), (34, 49260),

Gene: Whitspit_70 Start: 44343, Stop: 44176, Start Num: 25

Candidate Starts for Whitspit_70:

(Start: 18 @44445 has 208 MA's), (Start: 25 @44343 has 14 MA's), (30, 44262), (33, 44190), (34, 44181),

Gene: Wilkins_74 Start: 45668, Stop: 45399, Start Num: 18

Candidate Starts for Wilkins_74:

(Start: 18 @45668 has 208 MA's), (Start: 25 @45566 has 14 MA's), (28, 45494), (33, 45413), (34, 45404),

Gene: Zeeculate_74 Start: 47613, Stop: 47344, Start Num: 18

Candidate Starts for Zeeculate_74:

(Start: 18 @47613 has 208 MA's), (Start: 25 @47511 has 14 MA's), (28, 47439), (33, 47358), (34, 47349),

Gene: Zephyr_79 Start: 47713, Stop: 47444, Start Num: 18

Candidate Starts for Zephyr_79:

(Start: 18 @47713 has 208 MA's), (Start: 25 @47611 has 14 MA's), (28, 47539), (33, 47458), (34, 47449),

Gene: Zeuska_81 Start: 49026, Stop: 48859, Start Num: 25

Candidate Starts for Zeuska_81:

(10, 49209), (11, 49182), (14, 49158), (15, 49146), (16, 49137), (17, 49131), (Start: 18 @49125 has 208 MA's), (Start: 25 @49026 has 14 MA's), (28, 48954), (33, 48873), (34, 48864),