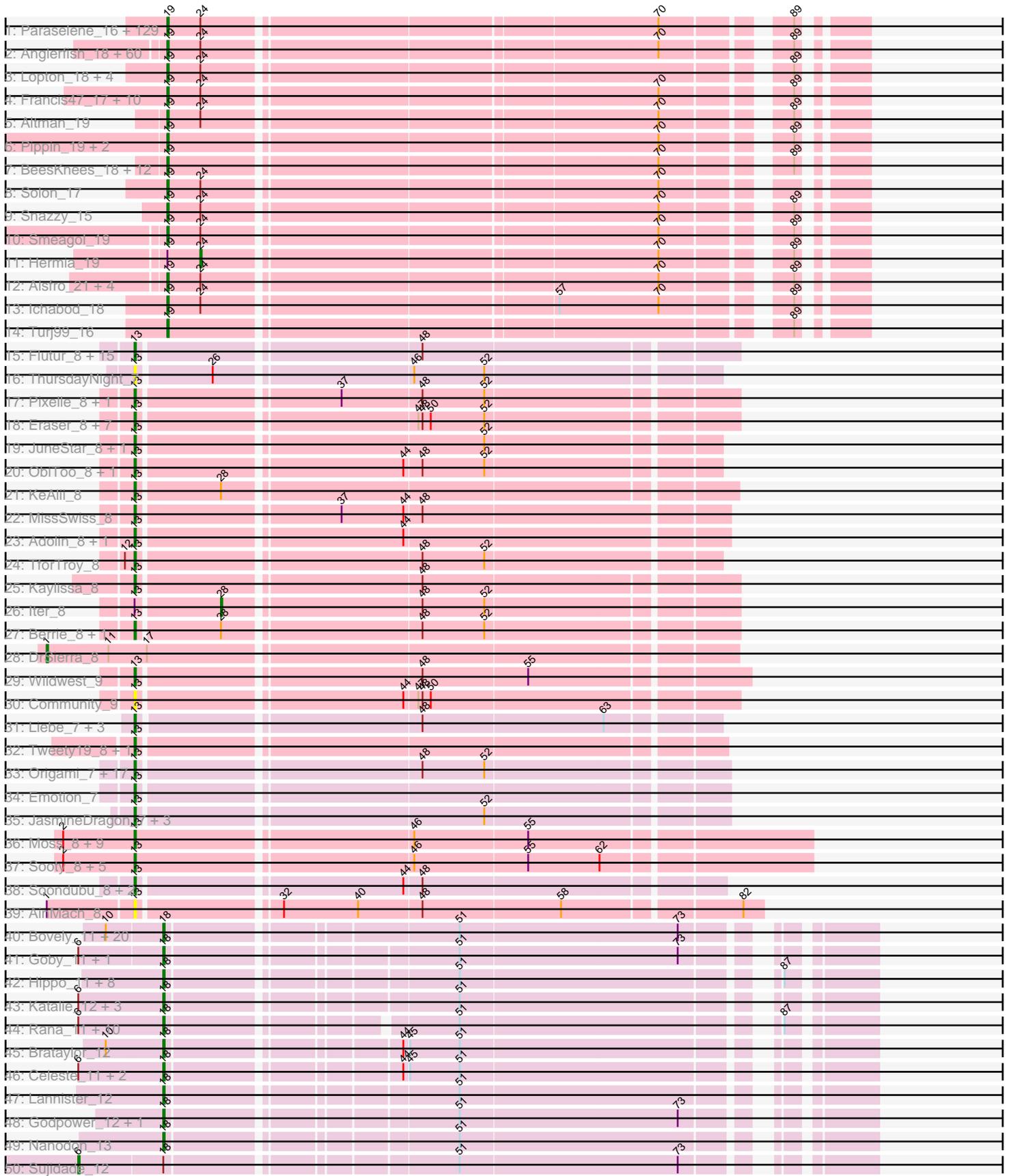
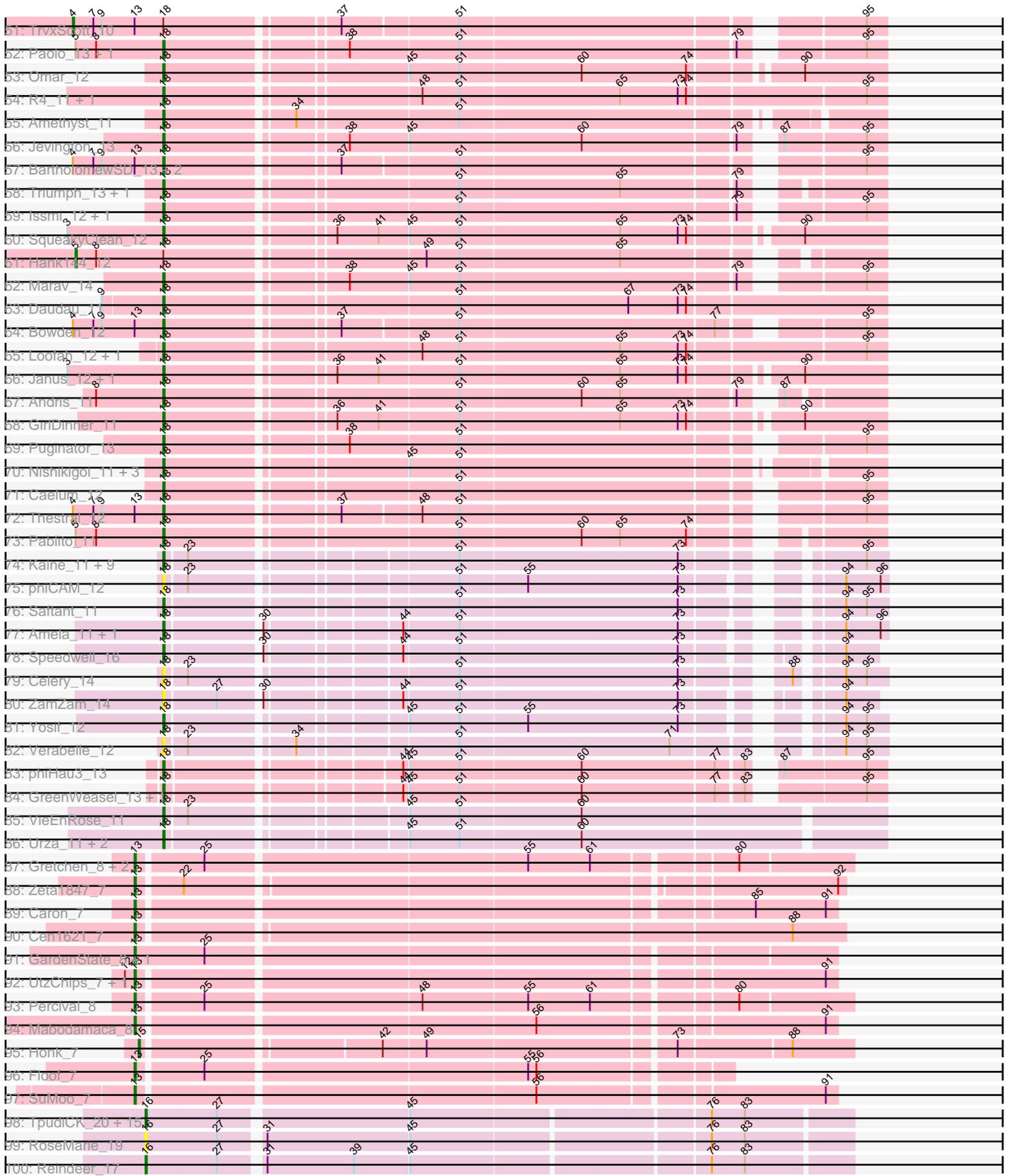


Pham 283369



Pham 283369



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 283369 Report

This analysis was run 02/23/26 on database version 636.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 283369 has 480 members, 59 are drafts.

Phages represented in each track:

- Track 1 : Paraselene_16, Nerujay_18, Molly_18, Petp2012_19, Pepe_18, Bigfoot_16, Euphoria_17, Bruns_16, Michley_17, Sorpresa_17, Pita2_19, Mryolo_16, ILeeKay_19, PSullivan_19, StewieG_16, Jasper_18, MetalQZJ_17, Rohr_18, MaryBeth_17, Blue_17, PattyP_19, BigMau_19, Seanderson_18, BigPaolini_18, Hami1_19, Graduation_19, Payneful_17, Magnito_16, Burton_18, Sumter_16, MPlant7149_16, Marge_18, Barriga_17, Niza_19, Dynamix_18, Beatrix_16, Watermelon_19, Fascinus_16, Fushigi_18, SkiPole_19, Magnar_17, Gandalf20_18, Gachnar_17, Marco3_17, Ringer_17, Crispicous1_16, Aeneas_19, Bethlehem_17, Museum_19, Lesedi_16, PhrostyMug_17, ProMouse_16, BPBiebs31_18, Arlo_16, MilleFeuille_14, Levia_17, Sandaddy_16, DD5_18, Mule_17, Moose_16, Teodoridan_15, Pelly_18, Zeuska_18, HarryOW_18, GageAP_19, ChristmasHams_17, Marchy_16, Lockley_17, Abrogate_180, Tasp14_18, Maroc7_16, Fajezeel_19, EnzoK_18, Sagefire_18, Paphu_16, Swole_19, KBG_18, Tote_19, Perseus_18, GrecoEtereo_18, JackSparrow_18, Dreamboat_18, Sanya_16, Rutherferd_19, Eyeball_17, Makemake_17, Rhynn_17, Ashballer_16, McGuire_18, Pinto_19, IgnatiusPatJac_16, Bob3_16, Blesser_17, PhineBark_16, KSSJEB_17, Pari_18, Ajay_17, KyMonks1A_19, Kanely_18, Applejack_17, TwoPeat_18, Rubeus_18, Espresso_17, Killigrew_15, Atkinbua_18, Lamina13_17, Sunshine924_16, Dulcie_16, QTRLifeCrisis_17, Slagathor_18, Jerm2_18, Greg_19, SwissCheese_17, Homines_17, MrGordo_17, Trouble_17, AFIS_17, Forsytheast_16, Seabiscuit_19, JuliaChild_19, Jorgensen_17, BarrowTuph_16, CactusRose_16, BluSpix_17, Chanagan_16, Dexes_18, Phlippers_16, Ohno789_17, PinkPlastic_16, SpikeBT_19
- Track 2 : Anglerfish_18, Parliament_16, CartmannCramer_17, Bircsak_17, PowerRanger_17, Kenmech_20, Squee_18, Gompeii16_17, Thor_17, Briton15_19, Agaliana_17, Bigchung_17, Peterson_20, StrongArm_16, Switzer_18, Dussy_18, Alvin_18, Abbysshoes_18, GMonster_16, HermioneGrange_17, Monet_19, Aldrich_18, Naira_18, Edtherson_18, NEHalo_17, McSinger_18, DreamCatcher_20, Carlyle_19, TheloniousMonk_19, Buttons_18, Petruccio_17, Hope4ever_17, HanShotFirst_17, Zephyr_17, Treddle_19, CatBus_18, LilBib_18, ShortQueendom_16, JC27_19, Blackflame_17, DirtDevil_18, Gyzzlar_19, Rufus_18, Doom_18, Zeeculate_16, Bexan_16, GroundGoblin_18, Tripl3t_18, Noxious_18, U2_17, STLscum_18, Frogopper_18, Sibs6_19, Licorice_19, SarFire_17,

Wheeler_17, KikiBouba_18, Manatee_18, Marcell_17, Corvo_17, Fenn_18

- Track 3 : Lopton_18, PherrisBueller_18, Scowl_18, Big3_17, Norz_19
- Track 4 : Francis47_17, Papez_19, RidgeCB_17, BaconJack_19, Marsha_17, Arcanine_18, DrFeelGood_16, Rajelicia_17, Traft412_19, Smart_18, Nhonho_17
- Track 5 : Altman_19
- Track 6 : Pippin_19, Acme_19, Ciao_17
- Track 7 : BeesKnees_18, Topgun_17, Cueyllyss_17, Violet_16, PacerPaul_17, PascalRango_16, Bones_17, Adahisdi_18, Oogway_16, Wilkins_17, ConceptII_18, Puppet_17, LunarLander_17
- Track 8 : Solon_17
- Track 9 : Snazzy_15
- Track 10 : Smeagol_19
- Track 11 : Hermia_19
- Track 12 : Alsfro_21, Inyanga_16, Mkhuseleli_18, Raid_18, Iqorha_16
- Track 13 : Ichabod_18
- Track 14 : Turj99_16
- Track 15 : Flutur_8, AGrandiflora_8, Tallboi_8, JohnDoe_8, Mudpuppy_8, Tuck_9, Joemato_8, Warda_8, VResidence_8, Lego_8, Cyan_8, YesChef_8, Tbone_8, Tutumahutu_8, Simpson_8, Powerpuff_8
- Track 16 : ThursdayNight_7
- Track 17 : Pixelle_8, Phives_9
- Track 18 : Eraser_8, Elezi_8, Asa16_8, Skelbel_8, London_8, Subaru_8, Niobe_8, Jstan_8
- Track 19 : JuneStar_8, Sue2_8
- Track 20 : ObiToo_8, Crewmate_9
- Track 21 : KeAlii_8
- Track 22 : MissSwiss_8
- Track 23 : Adolin_8, Reedo_8
- Track 24 : TforTroy_8
- Track 25 : Kaylissa_8
- Track 26 : Iter_8
- Track 27 : Berrie_8, Ascela_8
- Track 28 : DrSierra_8
- Track 29 : Wildwest_9
- Track 30 : Community_9
- Track 31 : Liebe_7, MaGuCo_7, Maureen_7, IUFootball_7
- Track 32 : Tweety19_8, Snek_8
- Track 33 : Origami_7, FiveHead_7, Nitro_8, Turab_8, JohnThicc_7, LadyAstra_7, IttyBittyPiggy_8, Amyev_8, AEgle_8, Amploria_8, Adumb2043_8, Yang_8, Cassia_8, Lizalica_8, Schaffner_8, Janeemi_9, Tian_8, Pumpkins_8
- Track 34 : Emotion_7
- Track 35 : JasmineDragon_7, ShakeltOph_7, VroomVroom_7, MiniMommy_7
- Track 36 : Moss_8, Halsey_8, Stuu_8, Ashes_8, RockScotty_8, Giorgio_8, SpecialK_8, Mysterium_8, Beaupre_8, Gumpizza_8
- Track 37 : Sooty_8, Gambol_8, Cappuccino_8, Donkey_8, Sabourin_8, Kalimba_8
- Track 38 : Soondubu_8, DrManhattan_8, Exile_8
- Track 39 : AinMach_8
- Track 40 : Bovely_11, Oliynyk_12, Rusticus_12, Ozzie_11, Aaronocolus_11, BeardedLady_12, BryanRecycles_12, Phettuccine_11, Legacy_11, Nerdos_11, Jash_12, Esperer_11, Indigo_11, Eddasa_12, SunsetPointe_11, EnochSoames_12, Leviticus_11, Caliburn_11, Hydra_13, Unstoppable_11, Izzy_12
- Track 41 : Goby_11, Toma_11

- Track 42 : Hippo_11, Chucky_11, Snorlax_11, SarahRose_11, Whatever_11, BarryBee_13, Emaanora_13, Werner_11, TagePhighter_12
- Track 43 : Katalie_12, RedBear_13, Danzina_12, South40_12
- Track 44 : Rana_11, Maneekul_11, Triste_11, Dwayne_11, Lorelei_11, Nabi_11, TuanPN_11, Asten_11, Ejemplo_11, Yasdnii_11, OzzyJ_12
- Track 45 : Brataylor_12
- Track 46 : Celeste_11, Dattran_12, Zemlya_12
- Track 47 : Lannister_12
- Track 48 : Godpower_12, Lika_11
- Track 49 : Nanodon_13
- Track 50 : Sujidade_12
- Track 51 : TrvxScott_10
- Track 52 : Paolo_13, Zainub_13
- Track 53 : Omar_12
- Track 54 : R4_11, ELB20_10
- Track 55 : Amethyst_11
- Track 56 : Jevington_13
- Track 57 : BartholomewSD_13, Alvy_13, TinaBelcher_11
- Track 58 : Triumph_13, Axiom_12
- Track 59 : Issmi_12, Superstar_13
- Track 60 : SqueakyClean_12
- Track 61 : Hank144_12
- Track 62 : Marav_14
- Track 63 : Daudau_11
- Track 64 : Bowden_12
- Track 65 : Loofah_12, Paedore_11
- Track 66 : Janus_12, Animus_12
- Track 67 : Andris_11
- Track 68 : GirlDinner_11
- Track 69 : Puginator_13
- Track 70 : Nishikigoi_11, Haizum_11, Tefunt_11, Diane_11
- Track 71 : Caelum_12
- Track 72 : Thestral_12
- Track 73 : Pablito_11
- Track 74 : Kaine_11, Vanseggelen_14, Conan_12, ElGato_12, Dexers_10, Alsaber_12, Sudan_12, Provolone_12, Pavo_12, Jhitchelle_11
- Track 75 : phiCAM_12
- Track 76 : Saftant_11
- Track 77 : Amela_11, Verse_11
- Track 78 : Speedwell_16
- Track 79 : Celery_14
- Track 80 : ZamZam_14
- Track 81 : Yosif_12
- Track 82 : Verabelle_12
- Track 83 : phiHau3_13
- Track 84 : GreenWeasel_13, BroPlease_12
- Track 85 : VieEnRose_11
- Track 86 : Urza_11, Itza_11, Celia_11
- Track 87 : Gretchen_8, SuperHands_9, Forester_15
- Track 88 : Zeta1847_7
- Track 89 : Caron_7
- Track 90 : Cen1621_7
- Track 91 : GardenState_8, IAmGroot_8

- Track 92 : UtzChips_7, Barnstormer_7
- Track 93 : Percival_8
- Track 94 : Mabodamaca_8
- Track 95 : Honk_7
- Track 96 : Floof_7
- Track 97 : SuMoo_7
- Track 98 : TpudiCK_20, Izel_20, Bricole_19, IPhane7_19, KleverKiS_19, Glaske16_20, PegLeg_19, FreakyGoo_20, Skinny_20, LilhomieP_18, TyDawg_19, Diminimus_20, Auspice_19, Bongo_19, SlimJimmy_18, Dulcita_20
- Track 99 : RoseMarie_19
- Track 100 : Reindeer_17
- Track 101 : Nanosmite_23
- Track 102 : Footloose_7
- Track 103 : Kumao_18
- Track 104 : Attoomi_8

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

The start number called the most often in the published annotations is 19, it was called in 208 of the 421 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AFIS_17, Abbyshoes_18, Abrogate_180, Acme_19, Adahisdi_18, Aeneas_19, Agaliana_17, Ajay_17, Aldrich_18, Alsfro_21, Altman_19, Alvin_18, Anglerfish_18, Applejack_17, Arcanine_18, Arlo_16, Ashballer_16, Atkinbua_18, BPBiEbs31_18, BaconJack_19, Barriga_17, BarrowTuph_16, Beatrix_16, BeesKnees_18, Bethlehem_17, Bexan_16, Big3_17, BigMau_19, BigPaolini_18, Bigchunggi_17, Bigfoot_16, Bircsak_17, Blackflame_17, Blesser_17, BluSpix_17, Blue_17, Bob3_16, Bones_17, Briton15_19, Bruns_16, Burton_18, Buttons_18, CactusRose_16, Carlyle_19, CartmannCramer_17, CatBus_18, Chanagan_16, ChristmasHams_17, Ciao_17, Conceptll_18, Corvo_17, Crispicious1_16, Cueyllyss_17, DD5_18, Dexes_18, DirtDevil_18, Doom_18, DrFeelGood_16, DreamCatcher_20, Dreamboat_18, Dulcie_16, Dussy_18, Dynamix_18, Edtherson_18, EnzoK_18, Espresso_17, Euphoria_17, Eyeball_17, Fajezeel_19, Fascinus_16, Fenn_18, Forsytheast_16, Francis47_17, Froghopper_18, Fushigi_18, GMonster_16, Gachnar_17, GageAP_19, Gandalf20_18, Gompeii16_17, Graduation_19, GrecoEtereo_18, Greg_19, GroundGoblin_18, Gyzlar_19, Hami1_19, HanShotFirst_17, HarryOW_18, HermioneGrange_17, Homines_17, Hope4ever_17, ILeeKay_19, Ichabod_18, IgnatiusPatJac_16, Inyanga_16, Iqorha_16, JC27_19, JackSparrow_18, Jasper_18, Jerm2_18, Jorgensen_17, JuliaChild_19, KBG_18, KSSJEB_17, Kanely_18, Kenmech_20, KikiBouba_18, Killigrew_15, KyMonks1A_19, Lamina13_17, Lesedi_16, Levia_17, Licorice_19, LilBib_18, Lockley_17, Lopton_18, LunarLander_17, MPlant7149_16, Magnar_17, Magnito_16, Makemake_17, Manatee_18, Marcell_17, Marchy_16, Marco3_17, Marge_18, Maroc7_16, Marsha_17, MaryBeth_17, McGuire_18, McSinger_18, MetalQZJ_17, Michley_17, MilleFeuille_14, Mkhuseleli_18, Molly_18, Monet_19, Moose_16, MrGordo_17, Mryolo_16, Mule_17, Museum_19, NEHalo_17, Naira_18, Nerujay_18, Nhonho_17, Niza_19, Norz_19, Noxious_18, Ohno789_17, Oogway_16, PSullivan_19, PacerPaul_17, Papez_19, Paphu_16, Paraselene_16, Pari_18, Parliament_16, PascalRango_16, PattyP_19, Payneful_17, Pelly_18, Pepe_18, Perseus_18,

Peterson_20, Petp2012_19, Petruchio_17, PherrisBueller_18, PhineBark_16, Phlippers_16, PhrostyMug_17, PinkPlastic_16, Pinto_19, Pippin_19, Pita2_19, PowerRanger_17, ProMouse_16, Puppet_17, QTRLifeCrisis_17, Raid_18, Rajelicia_17, Rhynn_17, RidgeCB_17, Ringer_17, Rohr_18, Rubeus_18, Rufus_18, Rutherford_19, STLscum_18, Sagefire_18, Sandaddy_16, Sanya_16, SarFire_17, Scowl_18, Seabiscuit_19, Seanderson_18, ShortQueendom_16, Sibs6_19, SkiPole_19, Slagathor_18, Smairt_18, Smeagol_19, Snazzy_15, Solon_17, Sorpresa_17, SpikeBT_19, Squee_18, StewieG_16, StrongArm_16, Sumter_16, Sunshine924_16, SwissCheese_17, Switzer_18, Swole_19, Tasp14_18, Teodoridan_15, TheloniousMonk_19, Thor_17, Topgun_17, Tote_19, Traft412_19, Treddle_19, Tripl3t_18, Trouble_17, Turj99_16, TwoPeat_18, U2_17, Violet_16, Watermelon_19, Wheeler_17, Wilkins_17, Zeeculate_16, Zephyr_17, Zeuska_18,

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

- Hermia_19,

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

- AEgle_8, AGrandiflora_8, Aaronocolus_11, Adolin_8, Adumb2043_8, AinMach_8, Alsaber_12, Alvy_13, Amela_11, Amethyst_11, Amploria_8, Amyev_8, Andris_11, Animus_12, Asa16_8, Ascela_8, Ashes_8, Asten_11, Attoomi_8, Auspice_19, Axiom_12, Barnstormer_7, BarryBee_13, BartholomewSD_13, BeardedLady_12, Beaupre_8, Berrie_8, Bongo_19, Bovely_11, Bowden_12, Brataylor_12, Bricole_19, BroPlease_12, BryanRecycles_12, Caelum_12, Caliburn_11, Cappuccino_8, Caron_7, Cassia_8, Celery_14, Celeste_11, Celia_11, Cen1621_7, Chucky_11, Community_9, Conan_12, Crewmate_9, Cyan_8, Danzina_12, Dattran_12, Daudau_11, Dexers_10, Diane_11, Diminimus_20, Donkey_8, DrManhattan_8, DrSierra_8, Dulcita_20, Dwayne_11, ELB20_10, Eddasa_12, Ejemplo_11, ElGato_12, Elezi_8, Emaanora_13, Emotion_7, EnochSoames_12, Eraser_8, Esperer_11, Exile_8, FiveHead_7, Floof_7, Flutur_8, Footloose_7, Forester_15, FreakyGoo_20, Gambol_8, GardenState_8, Giorgio_8, GirlDinner_11, Glaske16_20, Goby_11, Godpower_12, GreenWeasel_13, Gretchen_8, Gumpizza_8, Haizum_11, Halsey_8, Hank144_12, Hippo_11, Honk_7, Hydra_13, IAmGroot_8, IPhane7_19, IUFootball_7, Indigo_11, Issmi_12, Iter_8, IttyBittyPiggy_8, Itza_11, Izel_20, Izzy_12, Janeemi_9, Janus_12, Jash_12, JasmineDragon_7, Jevington_13, Jhitchelle_11, Joemato_8, JohnDoe_8, JohnThicc_7, Jstan_8, JuneStar_8, Kaine_11, Kalimba_8, Katalie_12, Kaylissa_8, KeAlii_8, KleverKiS_19, Kumao_18, LadyAstra_7, Lannister_12, Legacy_11, Lego_8, Leviticus_11, Liebe_7, Lika_11, LilhomieP_18, Lizalica_8, London_8, Loofah_12, Lorelei_11, MaGuCo_7, Mabodamaca_8, Maneekul_11, Marav_14, Maureen_7, MiniMommy_7, MissSwiss_8, Moss_8, Mudpuppy_8, Mysterium_8, Nabi_11, Nanodon_13, Nanosmite_23, Nerdos_11, Niobe_8, Nishikigoi_11, Nitro_8, ObiToo_8, Oliynyk_12, Omar_12, Origami_7, Ozzie_11, OzzyJ_12, Pablito_11, Paedore_11, Paolo_13, Pavo_12, PegLeg_19, Percival_8, Phettuccine_11, Phives_9, Pixelle_8, Powerpuff_8, Provolone_12, Puginator_13, Pumpkins_8, R4_11, Rana_11, RedBear_13, Reedo_8, Reindeer_17, RockScotty_8, RoseMarie_19, Rusticus_12, Sabourin_8, Saftant_11, SarahRose_11, Schaffner_8, ShakeltOph_7, Simpson_8, Skelbel_8, Skinny_20, SlimJimmy_18, Snek_8, Snorlax_11, Soondubu_8, Sooty_8, South40_12, SpecialK_8, Speedwell_16, SqueakyClean_12, Stuu_8, SuMoo_7, Subaru_8, Sudan_12, Sue2_8, Sujidade_12, SunsetPointe_11, SuperHands_9, Superstar_13, TagePghter_12, Tallboi_8, Tbone_8, Tefunt_11, TforTroy_8, Thestral_12, ThursdayNight_7, Tian_8, TinaBelcher_11, Toma_11, TpudiCK_20, Triste_11, Triumph_13, TrvxScott_10, TuanPN_11, Tuck_9, Turab_8, Tutumahutu_8, Tweety19_8, TyDawg_19, Unstoppable_11, Urza_11, UtzChips_7, VResidence_8, Vanseggelen_14,

Verabelle_12, Verse_11, VieEnRose_11, VroomVroom_7, Warda_8, Werner_11, Whatever_11, Wildwest_9, Yang_8, Yasdnil_11, YesChef_8, Yosif_12, Zainub_13, ZamZam_14, Zemlya_12, Zeta1847_7, phiCAM_12, phiHau3_13,

Summary by start number:

Start 1:

- Found in 2 of 480 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 50.0% of time when present
- Phage (with cluster) where this start called: DrSierra_8 (AZ1),

Start 4:

- Found in 6 of 480 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 16.7% of time when present
- Phage (with cluster) where this start called: TrvxScott_10 (BD2),

Start 5:

- Found in 4 of 480 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Hank144_12 (BD2),

Start 6:

- Found in 21 of 480 (4.4%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 4.8% of time when present
- Phage (with cluster) where this start called: Sujidade_12 (BD1),

Start 13:

- Found in 111 of 480 (23.1%) of genes in pham
- Manual Annotations of this start: 83 of 421
- Called 93.7% of time when present
- Phage (with cluster) where this start called: AEgle_8 (AZ1), AGrandiflora_8 (AZ1), Adolin_8 (AZ1), Adumb2043_8 (AZ1), AinMach_8 (AZ7), Amploria_8 (AZ1), Amyev_8 (AZ1), Asa16_8 (AZ1), Ascela_8 (AZ1), Ashes_8 (AZ5), Barnstormer_7 (EH), Beaupre_8 (AZ5), Berrie_8 (AZ1), Cappuccino_8 (AZ5), Caron_7 (EH), Cassia_8 (AZ1), Cen1621_7 (EH), Community_9 (AZ1), Crewmate_9 (AZ1), Cyan_8 (AZ1), Donkey_8 (AZ5), DrManhattan_8 (AZ1), Elezi_8 (AZ1), Emotion_7 (AZ4), Eraser_8 (AZ1), Exile_8 (AZ6), FiveHead_7 (AZ4), Floof_7 (EH), Flutur_8 (AZ), Forester_15 (EH), Gambol_8 (AZ5), GardenState_8 (EH), Giorgio_8 (AZ5), Gretchen_8 (EH), Gumpizza_8 (AZ5), Halsey_8 (AZ5), IAmGroot_8 (EH), IUFootball_7 (AZ2), IttyBittyPiggy_8 (AZ1), Janeemi_9 (AZ1), JasmineDragon_7 (AZ4), Joemato_8 (AZ1), JohnDoe_8 (AZ1), JohnThicc_7 (AZ4), Jstan_8 (AZ1), JuneStar_8 (AZ1), Kalimba_8 (AZ5), Kaylissa_8 (AZ1), KeAlii_8 (AZ1), LadyAstra_7 (AZ4), Lego_8 (AZ1), Liebe_7 (AZ2), Lizalica_8 (AZ1), London_8 (AZ1), MaGuCo_7 (AZ2), Mabodamaca_8 (EH), Maureen_7 (AZ2), MiniMommy_7 (AZ4), MissSwiss_8 (AZ1), Moss_8 (AZ5), Mudpuppy_8 (AZ1), Mysterium_8 (AZ5), Niobe_8 (AZ1), Nitro_8 (AZ1), ObiToo_8 (AZ1), Origami_7 (AZ4), Percival_8 (EH), Phives_9 (AZ1), Pixelle_8 (AZ1), Powerpuff_8 (AZ1), Pumpkins_8 (AZ1), Reedo_8 (AZ1), RockScotty_8 (AZ5), Sabourin_8 (AZ5), Schaffner_8 (AZ1), ShakeltOph_7 (AZ4), Simpson_8 (AZ1), Skelbel_8 (AZ1), Snek_8 (AZ3), Soondubu_8 (AZ6), Sooty_8 (AZ5), SpecialK_8

(AZ5), Stuu_8 (AZ5), SuMoo_7 (EH), Subaru_8 (AZ1), Sue2_8 (AZ1), SuperHands_9 (EH), Tallboi_8 (AZ1), Tbone_8 (AZ1), TforTroy_8 (AZ1), ThursdayNight_7 (AZ), Tian_8 (AZ1), Tuck_9 (AZ1), Turab_8 (AZ1), Tutumahutu_8 (AZ1), Tweety19_8 (AZ3), UtzChips_7 (EH), VResidence_8 (AZ1), VroomVroom_7 (AZ4), Warda_8 (AZ1), Wildwest_9 (AZ1), Yang_8 (AZ1), YesChef_8 (AZ1), Zeta1847_7 (EH),

Start 15:

- Found in 1 of 480 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Honk_7 (EH),

Start 16:

- Found in 19 of 480 (4.0%) of genes in pham
- Manual Annotations of this start: 16 of 421
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Auspice_19 (M1), Bongo_19 (M1), Bricole_19 (M1), Diminimus_20 (M1), Dulcita_20 (M1), FreakyGoo_20 (M1), Glaske16_20 (M1), IPhane7_19 (M1), Izel_20 (M1), KleverKiS_19 (M1), LilhomieP_18 (M1), Nanosmite_23 (M3), PegLeg_19 (M1), Reindeer_17 (M1), RoseMarie_19 (M1), Skinny_20 (M1), SlimJimmy_18 (M1), TpudiCK_20 (M1), TyDawg_19 (M1),

Start 18:

- Found in 118 of 480 (24.6%) of genes in pham
- Manual Annotations of this start: 106 of 421
- Called 97.5% of time when present
- Phage (with cluster) where this start called: Aaronocolus_11 (BD1), Alsaber_12 (BD3), Alvy_13 (BD2), Amela_11 (BD3), Amethyst_11 (BD2), Andris_11 (BD2), Animus_12 (BD2), Asten_11 (BD1), Attoomi_8 (singleton), Axiom_12 (BD2), BarryBee_13 (BD1), BartholomewSD_13 (BD2), BeardedLady_12 (BD1), Bovely_11 (BD1), Bowden_12 (BD2), Brataylor_12 (BD1), BroPlease_12 (BD4), BryanRecycles_12 (BD1), Caelum_12 (BD2), Caliburn_11 (BD1), Celery_14 (BD3), Celeste_11 (BD1), Celia_11 (BD6), Chucky_11 (BD1), Conan_12 (BD3), Danzina_12 (BD1), Dattran_12 (BD1), Daudau_11 (BD2), Dexers_10 (BD3), Diane_11 (BD2), Dwayne_11 (BD1), ELB20_10 (BD2), Eddasa_12 (BD1), Ejemplo_11 (BD1), ElGato_12 (BD3), Emaanora_13 (BD1), EnochSoames_12 (BD1), Esperer_11 (BD1), GirlDinner_11 (BD2), Goby_11 (BD1), Godpower_12 (BD1), GreenWeasel_13 (BD4), Haizum_11 (BD2), Hippo_11 (BD1), Hydra_13 (BD1), Indigo_11 (BD1), Issmi_12 (BD2), Itza_11 (BD6), Izzy_12 (BD1), Janus_12 (BD2), Jash_12 (BD1), Jevington_13 (BD2), Jhitchelle_11 (BD3), Kaine_11 (BD3), Katalie_12 (BD1), Kumao_18 (singleton), Lannister_12 (BD1), Legacy_11 (BD1), Leviticus_11 (BD1), Lika_11 (BD1), Loofah_12 (BD2), Lorelei_11 (BD1), Maneekul_11 (BD1), Marav_14 (BD2), Nabi_11 (BD1), Nanodon_13 (BD1), Nerdos_11 (BD1), Nishikigoi_11 (BD2), Oliynyk_12 (BD1), Omar_12 (BD2), Ozzie_11 (BD1), OzzyJ_12 (BD1), Pablito_11 (BD2), Paedore_11 (BD2), Paolo_13 (BD2), Pavo_12 (BD3), Phettuccine_11 (BD1), Provolone_12 (BD3), Puginator_13 (BD2), R4_11 (BD2), Rana_11 (BD1), RedBear_13 (BD1), Rusticus_12 (BD1), Saftant_11 (BD3), SarahRose_11 (BD1), Snorlax_11 (BD1), South40_12 (BD1), Speedwell_16 (BD3), SqueakyClean_12 (BD2), Sudan_12 (BD3), SunsetPointe_11 (BD1), Superstar_13 (BD2), TagePighter_12 (BD1), Tefunt_11 (BD2), Thestral_12 (BD2), TinaBelcher_11 (BD2), Toma_11 (BD1), Triste_11 (BD1), Triumph_13 (BD2), TuanPN_11 (BD1), Unstoppable_11 (BD1), Urza_11 (BD6), Vanseggelen_14 (BD3), Verabelle_12 (BD3),

Verse_11 (BD3), VieEnRose_11 (BD6), Werner_11 (BD1), Whatever_11 (BD1), Yasdnil_11 (BD1), Yosif_12 (BD3), Zainub_13 (BD2), ZamZam_14 (BD3), Zemlya_12 (BD1), phiCAM_12 (BD3), phiHau3_13 (BD4),

Start 19:

- Found in 235 of 480 (49.0%) of genes in pham
- Manual Annotations of this start: 208 of 421
- Called 99.6% of time when present
- Phage (with cluster) where this start called: AFIS_17 (A1), Abbyshoes_18 (A1), Abrogate_180 (A1), Acme_19 (A1), Adahisdi_18 (A1), Aeneas_19 (A1), Agaliana_17 (A1), Ajay_17 (A1), Aldrich_18 (A1), Alsfro_21 (A1), Altman_19 (A1), Alvin_18 (A1), Anglerfish_18 (A1), Applejack_17 (A1), Arcanine_18 (A1), Arlo_16 (A1), Ashballer_16 (A1), Atkinbua_18 (A1), BPBiebs31_18 (A1), BaconJack_19 (A1), Barriga_17 (A1), BarrowTuph_16 (A1), Beatrix_16 (A1), BeesKnees_18 (A1), Bethlehem_17 (A1), Bexan_16 (A1), Big3_17 (A1), BigMau_19 (A1), BigPaolini_18 (A1), Bigchunggi_17 (A1), Bigfoot_16 (A1), Bircsak_17 (A1), Blackflame_17 (A1), Blesser_17 (A1), BluSpix_17 (A1), Blue_17 (A1), Bob3_16 (A1), Bones_17 (A1), Briton15_19 (A1), Brunns_16 (A1), Burton_18 (A1), Buttons_18 (A1), CactusRose_16 (A1), Carlyle_19 (A1), CartmannCramer_17 (A1), CatBus_18 (A1), Chanagan_16 (A1), ChristmasHams_17 (A1), Ciao_17 (A1), Conceptil_18 (A1), Corvo_17 (A1), Crispicious1_16 (A1), Cueyliss_17 (A1), DD5_18 (A1), Dexes_18 (A1), DirtDevil_18 (A1), Doom_18 (A1), DrFeelGood_16 (A1), DreamCatcher_20 (A1), Dreamboat_18 (A1), Dulcie_16 (A1), Dussy_18 (A1), Dynamix_18 (A1), Edtherson_18 (A1), EnzoK_18 (A1), Espresso_17 (A1), Euphoria_17 (A1), Eyeball_17 (A1), Fajezeel_19 (A1), Fascinus_16 (A1), Fenn_18 (A1), Forsytheast_16 (A1), Francis47_17 (A1), Froghopper_18 (A1), Fushigi_18 (A1), GMonster_16 (A1), Gachnar_17 (A1), GageAP_19 (A1), Gandalf20_18 (A1), Gompeii16_17 (A1), Graduation_19 (A1), GrecoEtereo_18 (A1), Greg_19 (A1), GroundGoblin_18 (A1), Gyzlar_19 (A1), Hami1_19 (A1), HanShotFirst_17 (A1), HarryOW_18 (A1), HermioneGrange_17 (A1), Homines_17 (A1), Hope4ever_17 (A1), ILeeKay_19 (A1), Ichabod_18 (A1), IgnatiusPatJac_16 (A1), Inyanga_16 (A1), Iqorha_16 (A1), JC27_19 (A1), JackSparrow_18 (A1), Jasper_18 (A1), Jerm2_18 (A1), Jorgensen_17 (A1), JuliaChild_19 (A1), KBG_18 (A1), KSSJEB_17 (A1), Kanely_18 (A1), Kenmech_20 (A1), KikiBouba_18 (A1), Killigrew_15 (A1), KyMonks1A_19 (A1), Lamina13_17 (A1), Lesedi_16 (A1), Levia_17 (A1), Licorice_19 (A1), LilBib_18 (A1), Lockley_17 (A1), Lopton_18 (A1), LunarLander_17 (A1), MPlant7149_16 (A1), Magnar_17 (A1), Magnito_16 (A1), Makemake_17 (A1), Manatee_18 (A1), Marcell_17 (A1), Marchy_16 (A1), Marco3_17 (A1), Marge_18 (A1), Maroc7_16 (A1), Marsha_17 (A1), MaryBeth_17 (A1), McGuire_18 (A1), McSinger_18 (A1), MetalQZJ_17 (A1), Michley_17 (A1), MilleFeuille_14 (A1), Mkhusei_18 (A1), Molly_18 (A1), Monet_19 (A1), Moose_16 (A1), MrGordo_17 (A1), Mryolo_16 (A1), Mule_17 (A1), Museum_19 (A1), NEHalo_17 (A1), Naira_18 (A1), Nerujay_18 (A1), Nhonho_17 (A1), Niza_19 (A1), Norz_19 (A1), Noxious_18 (A1), Ohno789_17 (A1), Oogway_16 (A1), PSullivan_19 (A1), PacerPaul_17 (A1), Papez_19 (A1), Paphu_16 (A1), Paraselene_16 (A1), Pari_18 (A1), Parliament_16 (A1), PascalRango_16 (A1), PattyP_19 (A1), Payneful_17 (A1), Pelly_18 (A1), Pepe_18 (A1), Perseus_18 (A1), Peterson_20 (A1), Petp2012_19 (A1), Petruccio_17 (A1), PherrisBueller_18 (A1), PhineBark_16 (A1), Phlippers_16 (A1), PhrostyMug_17 (A1), PinkPlastic_16 (A1), Pinto_19 (A1), Pippin_19 (A1), Pita2_19 (A1), PowerRanger_17 (A1), ProMouse_16 (A1), Puppet_17 (A1), QTRLifeCrisis_17 (A1), Raid_18 (A1), Rajelicia_17 (A1), Rhynn_17 (A1), RidgeCB_17 (A1), Ringer_17 (A1), Rohr_18 (A1), Rubeus_18 (A1), Rufus_18 (A1), Rutherford_19 (A1), STLScum_18 (A1), Sagefire_18 (A1), Sandaddy_16 (A1), Sanya_16 (A1), SarFire_17 (A1), Scowl_18 (A1), Seabiscuit_19

(A1), Seanderson_18 (A1), ShortQueendom_16 (A1), Sibs6_19 (A1), SkiPole_19 (A1), Slagathor_18 (A1), Smairt_18 (A1), Smeagol_19 (A1), Snazzy_15 (A1), Solon_17 (A1), Sorpresa_17 (A1), SpikeBT_19 (A1), Squee_18 (A1), StewieG_16 (A1), StrongArm_16 (A1), Sumter_16 (A1), Sunshine924_16 (A1), SwissCheese_17 (A1), Switzer_18 (A1), Swole_19 (A1), Tasp14_18 (A1), Teodoridan_15 (A1), TheloniousMonk_19 (A1), Thor_17 (A1), Topgun_17 (A1), Tote_19 (A1), Traft412_19 (A1), Treddle_19 (A1), Tripl3t_18 (A1), Trouble_17 (A1), Turj99_16 (A1), TwoPeat_18 (A1), U2_17 (A1), Violet_16 (A1), Watermelon_19 (A1), Wheeler_17 (A1), Wilkins_17 (A1), Zeeculate_16 (A1), Zephyr_17 (A1), Zeuska_18 (A1),

Start 24:

- Found in 218 of 480 (45.4%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 0.5% of time when present
- Phage (with cluster) where this start called: Hermia_19 (A1),

Start 28:

- Found in 4 of 480 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Iter_8 (AZ1),

Start 43:

- Found in 1 of 480 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Footloose_7 (singleton),

Summary by clusters:

There are 18 clusters represented in this pham: M1, AZ3, EH, singleton, M3, A1, BD4, BD6, BD1, BD3, BD2, AZ1, AZ2, AZ, AZ4, AZ5, AZ6, AZ7,

Info for manual annotations of cluster A1:

- Start number 19 was manually annotated 208 times for cluster A1.
- Start number 24 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster AZ1:

- Start number 1 was manually annotated 1 time for cluster AZ1.
- Start number 13 was manually annotated 44 times for cluster AZ1.
- Start number 28 was manually annotated 1 time for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 13 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 13 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 13 was manually annotated 5 times for cluster AZ4.

Info for manual annotations of cluster AZ5:

- Start number 13 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster AZ6:

- Start number 13 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster BD1:

- Start number 6 was manually annotated 1 time for cluster BD1.
- Start number 18 was manually annotated 54 times for cluster BD1.

Info for manual annotations of cluster BD2:

- Start number 4 was manually annotated 1 time for cluster BD2.
- Start number 5 was manually annotated 1 time for cluster BD2.
- Start number 18 was manually annotated 31 times for cluster BD2.

Info for manual annotations of cluster BD3:

- Start number 18 was manually annotated 12 times for cluster BD3.

Info for manual annotations of cluster BD4:

- Start number 18 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:

- Start number 18 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster EH:

- Start number 13 was manually annotated 12 times for cluster EH.
- Start number 15 was manually annotated 1 time for cluster EH.

Info for manual annotations of cluster M1:

- Start number 16 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M3:

- Start number 16 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: AEgle_8 Start: 7858, Stop: 8265, Start Num: 13

Candidate Starts for AEgle_8:

(Start: 13 @7858 has 83 MA's), (48, 8050), (52, 8095),

Gene: AFIS_17 Start: 12820, Stop: 13269, Start Num: 19

Candidate Starts for AFIS_17:

(Start: 19 @12820 has 208 MA's), (Start: 24 @12844 has 1 MA's), (70, 13156), (89, 13231),

Gene: AGrandiflora_8 Start: 7839, Stop: 8246, Start Num: 13

Candidate Starts for AGrandiflora_8:

(Start: 13 @7839 has 83 MA's), (48, 8031),

Gene: Aaronocolus_11 Start: 8395, Stop: 8847, Start Num: 18

Candidate Starts for Aaronocolus_11:

(10, 8356), (Start: 18 @8395 has 106 MA's), (51, 8587), (73, 8743),

Gene: Abbysshoes_18 Start: 13206, Stop: 13655, Start Num: 19
Candidate Starts for Abbysshoes_18:
(Start: 19 @13206 has 208 MA's), (Start: 24 @13230 has 1 MA's), (70, 13542), (89, 13617),

Gene: Abrogate_180 Start: 13578, Stop: 14027, Start Num: 19
Candidate Starts for Abrogate_180:
(Start: 19 @13578 has 208 MA's), (Start: 24 @13602 has 1 MA's), (70, 13914), (89, 13989),

Gene: Acme_19 Start: 13256, Stop: 13705, Start Num: 19
Candidate Starts for Acme_19:
(Start: 19 @13256 has 208 MA's), (70, 13592), (89, 13667),

Gene: Adahisdi_18 Start: 13138, Stop: 13587, Start Num: 19
Candidate Starts for Adahisdi_18:
(Start: 19 @13138 has 208 MA's), (70, 13474), (89, 13549),

Gene: Adolin_8 Start: 7854, Stop: 8258, Start Num: 13
Candidate Starts for Adolin_8:
(Start: 13 @7854 has 83 MA's), (44, 8034),

Gene: Adumb2043_8 Start: 7857, Stop: 8264, Start Num: 13
Candidate Starts for Adumb2043_8:
(Start: 13 @7857 has 83 MA's), (48, 8049), (52, 8094),

Gene: Aeneas_19 Start: 13246, Stop: 13695, Start Num: 19
Candidate Starts for Aeneas_19:
(Start: 19 @13246 has 208 MA's), (Start: 24 @13270 has 1 MA's), (70, 13582), (89, 13657),

Gene: Agaliana_17 Start: 13198, Stop: 13647, Start Num: 19
Candidate Starts for Agaliana_17:
(Start: 19 @13198 has 208 MA's), (Start: 24 @13222 has 1 MA's), (70, 13534), (89, 13609),

Gene: AinMach_8 Start: 7070, Stop: 7495, Start Num: 13
Candidate Starts for AinMach_8:
(Start: 1 @7010 has 1 MA's), (Start: 13 @7070 has 83 MA's), (32, 7163), (40, 7217), (48, 7262), (58, 7361), (82, 7481),

Gene: Ajay_17 Start: 12970, Stop: 13419, Start Num: 19
Candidate Starts for Ajay_17:
(Start: 19 @12970 has 208 MA's), (Start: 24 @12994 has 1 MA's), (70, 13306), (89, 13381),

Gene: Aldrich_18 Start: 13747, Stop: 14196, Start Num: 19
Candidate Starts for Aldrich_18:
(Start: 19 @13747 has 208 MA's), (Start: 24 @13771 has 1 MA's), (70, 14083), (89, 14158),

Gene: Alsaber_12 Start: 8454, Stop: 8915, Start Num: 18
Candidate Starts for Alsaber_12:
(Start: 18 @8454 has 106 MA's), (23, 8469), (51, 8643), (73, 8799), (95, 8901),

Gene: Alsfro_21 Start: 13690, Stop: 14139, Start Num: 19
Candidate Starts for Alsfro_21:
(Start: 19 @13690 has 208 MA's), (Start: 24 @13714 has 1 MA's), (70, 14026), (89, 14101),

Gene: Altman_19 Start: 13735, Stop: 14184, Start Num: 19

Candidate Starts for Altman_19:

(Start: 19 @13735 has 208 MA's), (Start: 24 @13759 has 1 MA's), (70, 14071), (89, 14146),

Gene: Alvin_18 Start: 13456, Stop: 13905, Start Num: 19

Candidate Starts for Alvin_18:

(Start: 19 @13456 has 208 MA's), (Start: 24 @13480 has 1 MA's), (70, 13792), (89, 13867),

Gene: Alvy_13 Start: 8321, Stop: 8794, Start Num: 18

Candidate Starts for Alvy_13:

(Start: 4 @8255 has 1 MA's), (7, 8270), (9, 8276), (Start: 13 @8300 has 83 MA's), (Start: 18 @8321 has 106 MA's), (37, 8435), (51, 8516), (95, 8780),

Gene: Amela_11 Start: 8566, Stop: 9024, Start Num: 18

Candidate Starts for Amela_11:

(Start: 18 @8566 has 106 MA's), (30, 8629), (44, 8716), (51, 8755), (73, 8911), (94, 8995), (96, 9019),

Gene: Amethyst_11 Start: 8131, Stop: 8607, Start Num: 18

Candidate Starts for Amethyst_11:

(Start: 18 @8131 has 106 MA's), (34, 8218), (51, 8329),

Gene: Amploria_8 Start: 7857, Stop: 8264, Start Num: 13

Candidate Starts for Amploria_8:

(Start: 13 @7857 has 83 MA's), (48, 8049), (52, 8094),

Gene: Amyev_8 Start: 7873, Stop: 8280, Start Num: 13

Candidate Starts for Amyev_8:

(Start: 13 @7873 has 83 MA's), (48, 8065), (52, 8110),

Gene: Andris_11 Start: 8194, Stop: 8664, Start Num: 18

Candidate Starts for Andris_11:

(8, 8146), (Start: 18 @8194 has 106 MA's), (51, 8392), (60, 8479), (65, 8506), (79, 8584), (87, 8599),

Gene: Anglerfish_18 Start: 14118, Stop: 14567, Start Num: 19

Candidate Starts for Anglerfish_18:

(Start: 19 @14118 has 208 MA's), (Start: 24 @14142 has 1 MA's), (70, 14454), (89, 14529),

Gene: Animus_12 Start: 8547, Stop: 9035, Start Num: 18

Candidate Starts for Animus_12:

(3, 8478), (Start: 18 @8547 has 106 MA's), (36, 8658), (41, 8688), (51, 8745), (65, 8859), (73, 8901), (74, 8907), (90, 8976),

Gene: Applejack_17 Start: 12895, Stop: 13344, Start Num: 19

Candidate Starts for Applejack_17:

(Start: 19 @12895 has 208 MA's), (Start: 24 @12919 has 1 MA's), (70, 13231), (89, 13306),

Gene: Arcanine_18 Start: 13137, Stop: 13586, Start Num: 19

Candidate Starts for Arcanine_18:

(Start: 19 @13137 has 208 MA's), (Start: 24 @13161 has 1 MA's), (70, 13473), (89, 13548),

Gene: Arlo_16 Start: 12516, Stop: 12965, Start Num: 19

Candidate Starts for Arlo_16:

(Start: 19 @12516 has 208 MA's), (Start: 24 @12540 has 1 MA's), (70, 12852), (89, 12927),

Gene: Asa16_8 Start: 7826, Stop: 8233, Start Num: 13

Candidate Starts for Asa16_8:

(Start: 13 @7826 has 83 MA's), (47, 8015), (48, 8018), (50, 8024), (52, 8063),

Gene: Ascela_8 Start: 7852, Stop: 8259, Start Num: 13

Candidate Starts for Ascela_8:

(Start: 13 @7852 has 83 MA's), (Start: 28 @7909 has 1 MA's), (48, 8044), (52, 8089),

Gene: Ashballe_16 Start: 12899, Stop: 13348, Start Num: 19

Candidate Starts for Ashballe_16:

(Start: 19 @12899 has 208 MA's), (Start: 24 @12923 has 1 MA's), (70, 13235), (89, 13310),

Gene: Ashes_8 Start: 7343, Stop: 7810, Start Num: 13

Candidate Starts for Ashes_8:

(2, 7292), (Start: 13 @7343 has 83 MA's), (46, 7535), (55, 7616),

Gene: Asten_11 Start: 8357, Stop: 8806, Start Num: 18

Candidate Starts for Asten_11:

(Start: 6 @8300 has 1 MA's), (Start: 18 @8357 has 106 MA's), (51, 8546), (87, 8750),

Gene: Atkinbua_18 Start: 12870, Stop: 13319, Start Num: 19

Candidate Starts for Atkinbua_18:

(Start: 19 @12870 has 208 MA's), (Start: 24 @12894 has 1 MA's), (70, 13206), (89, 13281),

Gene: Attoomi_8 Start: 6589, Stop: 6960, Start Num: 18

Candidate Starts for Attoomi_8:

(Start: 18 @6589 has 106 MA's), (21, 6598), (23, 6607), (45, 6751), (59, 6856), (64, 6883), (75, 6934),

Gene: Auspice_19 Start: 11031, Stop: 11513, Start Num: 16

Candidate Starts for Auspice_19:

(Start: 16 @11031 has 16 MA's), (27, 11082), (45, 11211), (76, 11415), (83, 11439),

Gene: Axiom_12 Start: 8226, Stop: 8696, Start Num: 18

Candidate Starts for Axiom_12:

(Start: 18 @8226 has 106 MA's), (51, 8424), (65, 8538), (79, 8616),

Gene: BPBiebs31_18 Start: 13162, Stop: 13611, Start Num: 19

Candidate Starts for BPBiebs31_18:

(Start: 19 @13162 has 208 MA's), (Start: 24 @13186 has 1 MA's), (70, 13498), (89, 13573),

Gene: BaconJack_19 Start: 13237, Stop: 13686, Start Num: 19

Candidate Starts for BaconJack_19:

(Start: 19 @13237 has 208 MA's), (Start: 24 @13261 has 1 MA's), (70, 13573), (89, 13648),

Gene: Barnstormer_7 Start: 7106, Stop: 7585, Start Num: 13

Candidate Starts for Barnstormer_7:

(12, 7100), (Start: 13 @7106 has 83 MA's), (91, 7577),

Gene: Barriga_17 Start: 12765, Stop: 13214, Start Num: 19

Candidate Starts for Barriga_17:

(Start: 19 @12765 has 208 MA's), (Start: 24 @12789 has 1 MA's), (70, 13101), (89, 13176),

Gene: BarrowTuph_16 Start: 12810, Stop: 13259, Start Num: 19
Candidate Starts for BarrowTuph_16:
(Start: 19 @12810 has 208 MA's), (Start: 24 @12834 has 1 MA's), (70, 13146), (89, 13221),

Gene: BarryBee_13 Start: 8364, Stop: 8813, Start Num: 18
Candidate Starts for BarryBee_13:
(Start: 18 @8364 has 106 MA's), (51, 8553), (87, 8757),

Gene: BartholomewSD_13 Start: 8321, Stop: 8794, Start Num: 18
Candidate Starts for BartholomewSD_13:
(Start: 4 @8255 has 1 MA's), (7, 8270), (9, 8276), (Start: 13 @8300 has 83 MA's), (Start: 18 @8321 has 106 MA's), (37, 8435), (51, 8516), (95, 8780),

Gene: BeardedLady_12 Start: 8642, Stop: 9094, Start Num: 18
Candidate Starts for BeardedLady_12:
(10, 8603), (Start: 18 @8642 has 106 MA's), (51, 8834), (73, 8990),

Gene: Beatrix_16 Start: 13614, Stop: 14063, Start Num: 19
Candidate Starts for Beatrix_16:
(Start: 19 @13614 has 208 MA's), (Start: 24 @13638 has 1 MA's), (70, 13950), (89, 14025),

Gene: Beaupre_8 Start: 7344, Stop: 7811, Start Num: 13
Candidate Starts for Beaupre_8:
(2, 7293), (Start: 13 @7344 has 83 MA's), (46, 7536), (55, 7617),

Gene: BeesKnees_18 Start: 12955, Stop: 13404, Start Num: 19
Candidate Starts for BeesKnees_18:
(Start: 19 @12955 has 208 MA's), (70, 13291), (89, 13366),

Gene: Berrie_8 Start: 7831, Stop: 8238, Start Num: 13
Candidate Starts for Berrie_8:
(Start: 13 @7831 has 83 MA's), (Start: 28 @7888 has 1 MA's), (48, 8023), (52, 8068),

Gene: Bethlehem_17 Start: 14192, Stop: 14641, Start Num: 19
Candidate Starts for Bethlehem_17:
(Start: 19 @14192 has 208 MA's), (Start: 24 @14216 has 1 MA's), (70, 14528), (89, 14603),

Gene: Bexan_16 Start: 13900, Stop: 14349, Start Num: 19
Candidate Starts for Bexan_16:
(Start: 19 @13900 has 208 MA's), (Start: 24 @13924 has 1 MA's), (70, 14236), (89, 14311),

Gene: Big3_17 Start: 13546, Stop: 13995, Start Num: 19
Candidate Starts for Big3_17:
(Start: 19 @13546 has 208 MA's), (Start: 24 @13570 has 1 MA's), (89, 13957),

Gene: BigMau_19 Start: 13123, Stop: 13572, Start Num: 19
Candidate Starts for BigMau_19:
(Start: 19 @13123 has 208 MA's), (Start: 24 @13147 has 1 MA's), (70, 13459), (89, 13534),

Gene: BigPaolini_18 Start: 13549, Stop: 13998, Start Num: 19
Candidate Starts for BigPaolini_18:
(Start: 19 @13549 has 208 MA's), (Start: 24 @13573 has 1 MA's), (70, 13885), (89, 13960),

Gene: Bigchungj_17 Start: 12923, Stop: 13372, Start Num: 19

Candidate Starts for Bigchungj_17:

(Start: 19 @12923 has 208 MA's), (Start: 24 @12947 has 1 MA's), (70, 13259), (89, 13334),

Gene: Bigfoot_16 Start: 12651, Stop: 13100, Start Num: 19

Candidate Starts for Bigfoot_16:

(Start: 19 @12651 has 208 MA's), (Start: 24 @12675 has 1 MA's), (70, 12987), (89, 13062),

Gene: Bircsak_17 Start: 13409, Stop: 13858, Start Num: 19

Candidate Starts for Bircsak_17:

(Start: 19 @13409 has 208 MA's), (Start: 24 @13433 has 1 MA's), (70, 13745), (89, 13820),

Gene: Blackflame_17 Start: 12932, Stop: 13381, Start Num: 19

Candidate Starts for Blackflame_17:

(Start: 19 @12932 has 208 MA's), (Start: 24 @12956 has 1 MA's), (70, 13268), (89, 13343),

Gene: Blesser_17 Start: 13221, Stop: 13670, Start Num: 19

Candidate Starts for Blesser_17:

(Start: 19 @13221 has 208 MA's), (Start: 24 @13245 has 1 MA's), (70, 13557), (89, 13632),

Gene: BluSpix_17 Start: 12911, Stop: 13360, Start Num: 19

Candidate Starts for BluSpix_17:

(Start: 19 @12911 has 208 MA's), (Start: 24 @12935 has 1 MA's), (70, 13247), (89, 13322),

Gene: Blue_17 Start: 13014, Stop: 13463, Start Num: 19

Candidate Starts for Blue_17:

(Start: 19 @13014 has 208 MA's), (Start: 24 @13038 has 1 MA's), (70, 13350), (89, 13425),

Gene: Bob3_16 Start: 12463, Stop: 12912, Start Num: 19

Candidate Starts for Bob3_16:

(Start: 19 @12463 has 208 MA's), (Start: 24 @12487 has 1 MA's), (70, 12799), (89, 12874),

Gene: Bones_17 Start: 12652, Stop: 13101, Start Num: 19

Candidate Starts for Bones_17:

(Start: 19 @12652 has 208 MA's), (70, 12988), (89, 13063),

Gene: Bongo_19 Start: 11031, Stop: 11513, Start Num: 16

Candidate Starts for Bongo_19:

(Start: 16 @11031 has 16 MA's), (27, 11082), (45, 11211), (76, 11415), (83, 11439),

Gene: Bovely_11 Start: 8401, Stop: 8853, Start Num: 18

Candidate Starts for Bovely_11:

(10, 8362), (Start: 18 @8401 has 106 MA's), (51, 8593), (73, 8749),

Gene: Bowden_12 Start: 8235, Stop: 8708, Start Num: 18

Candidate Starts for Bowden_12:

(Start: 4 @8169 has 1 MA's), (7, 8184), (9, 8190), (Start: 13 @8214 has 83 MA's), (Start: 18 @8235 has 106 MA's), (37, 8349), (51, 8430), (77, 8610), (95, 8694),

Gene: Brataylor_12 Start: 8367, Stop: 8816, Start Num: 18

Candidate Starts for Brataylor_12:

(10, 8328), (Start: 18 @8367 has 106 MA's), (44, 8517), (45, 8520), (51, 8556),

Gene: Bricole_19 Start: 11030, Stop: 11512, Start Num: 16

Candidate Starts for Bricole_19:

(Start: 16 @11030 has 16 MA's), (27, 11081), (45, 11210), (76, 11414), (83, 11438),

Gene: Briton15_19 Start: 13212, Stop: 13661, Start Num: 19

Candidate Starts for Briton15_19:

(Start: 19 @13212 has 208 MA's), (Start: 24 @13236 has 1 MA's), (70, 13548), (89, 13623),

Gene: BroPlease_12 Start: 8450, Stop: 8917, Start Num: 18

Candidate Starts for BroPlease_12:

(Start: 18 @8450 has 106 MA's), (44, 8600), (45, 8603), (51, 8639), (60, 8726), (77, 8819), (83, 8837), (95, 8903),

Gene: Bruns_16 Start: 12835, Stop: 13284, Start Num: 19

Candidate Starts for Bruns_16:

(Start: 19 @12835 has 208 MA's), (Start: 24 @12859 has 1 MA's), (70, 13171), (89, 13246),

Gene: BryanRecycles_12 Start: 8558, Stop: 9010, Start Num: 18

Candidate Starts for BryanRecycles_12:

(10, 8519), (Start: 18 @8558 has 106 MA's), (51, 8750), (73, 8906),

Gene: Burton_18 Start: 13033, Stop: 13482, Start Num: 19

Candidate Starts for Burton_18:

(Start: 19 @13033 has 208 MA's), (Start: 24 @13057 has 1 MA's), (70, 13369), (89, 13444),

Gene: Buttons_18 Start: 13397, Stop: 13846, Start Num: 19

Candidate Starts for Buttons_18:

(Start: 19 @13397 has 208 MA's), (Start: 24 @13421 has 1 MA's), (70, 13733), (89, 13808),

Gene: CactusRose_16 Start: 12650, Stop: 13099, Start Num: 19

Candidate Starts for CactusRose_16:

(Start: 19 @12650 has 208 MA's), (Start: 24 @12674 has 1 MA's), (70, 12986), (89, 13061),

Gene: Caelum_12 Start: 8087, Stop: 8563, Start Num: 18

Candidate Starts for Caelum_12:

(Start: 18 @8087 has 106 MA's), (51, 8285), (95, 8549),

Gene: Caliburn_11 Start: 8375, Stop: 8827, Start Num: 18

Candidate Starts for Caliburn_11:

(10, 8336), (Start: 18 @8375 has 106 MA's), (51, 8567), (73, 8723),

Gene: Cappuccino_8 Start: 7252, Stop: 7719, Start Num: 13

Candidate Starts for Cappuccino_8:

(2, 7201), (Start: 13 @7252 has 83 MA's), (46, 7444), (55, 7525), (62, 7576),

Gene: Carlyle_19 Start: 13779, Stop: 14228, Start Num: 19

Candidate Starts for Carlyle_19:

(Start: 19 @13779 has 208 MA's), (Start: 24 @13803 has 1 MA's), (70, 14115), (89, 14190),

Gene: Caron_7 Start: 7134, Stop: 7613, Start Num: 13

Candidate Starts for Caron_7:

(Start: 13 @7134 has 83 MA's), (85, 7554), (91, 7605),

Gene: CartmannCramer_17 Start: 14747, Stop: 15196, Start Num: 19

Candidate Starts for CartmannCramer_17:

(Start: 19 @14747 has 208 MA's), (Start: 24 @14771 has 1 MA's), (70, 15083), (89, 15158),

Gene: Cassia_8 Start: 7956, Stop: 8351, Start Num: 13

Candidate Starts for Cassia_8:

(Start: 13 @7956 has 83 MA's), (48, 8148), (52, 8193),

Gene: CatBus_18 Start: 13939, Stop: 14388, Start Num: 19

Candidate Starts for CatBus_18:

(Start: 19 @13939 has 208 MA's), (Start: 24 @13963 has 1 MA's), (70, 14275), (89, 14350),

Gene: Celery_14 Start: 8413, Stop: 8874, Start Num: 18

Candidate Starts for Celery_14:

(Start: 18 @8413 has 106 MA's), (23, 8428), (51, 8602), (73, 8758), (88, 8818), (94, 8845), (95, 8860),

Gene: Celeste_11 Start: 8365, Stop: 8814, Start Num: 18

Candidate Starts for Celeste_11:

(Start: 6 @8308 has 1 MA's), (Start: 18 @8365 has 106 MA's), (44, 8515), (45, 8518), (51, 8554),

Gene: Celia_11 Start: 8664, Stop: 9149, Start Num: 18

Candidate Starts for Celia_11:

(Start: 18 @8664 has 106 MA's), (45, 8817), (51, 8853), (60, 8940),

Gene: Cen1621_7 Start: 6257, Stop: 6748, Start Num: 13

Candidate Starts for Cen1621_7:

(Start: 13 @6257 has 83 MA's), (88, 6710),

Gene: Chanagan_16 Start: 12489, Stop: 12938, Start Num: 19

Candidate Starts for Chanagan_16:

(Start: 19 @12489 has 208 MA's), (Start: 24 @12513 has 1 MA's), (70, 12825), (89, 12900),

Gene: ChristmasHams_17 Start: 12957, Stop: 13406, Start Num: 19

Candidate Starts for ChristmasHams_17:

(Start: 19 @12957 has 208 MA's), (Start: 24 @12981 has 1 MA's), (70, 13293), (89, 13368),

Gene: Chucky_11 Start: 8365, Stop: 8814, Start Num: 18

Candidate Starts for Chucky_11:

(Start: 18 @8365 has 106 MA's), (51, 8554), (87, 8758),

Gene: Ciao_17 Start: 12876, Stop: 13325, Start Num: 19

Candidate Starts for Ciao_17:

(Start: 19 @12876 has 208 MA's), (70, 13212), (89, 13287),

Gene: Community_9 Start: 8908, Stop: 9315, Start Num: 13

Candidate Starts for Community_9:

(Start: 13 @8908 has 83 MA's), (44, 9088), (47, 9097), (48, 9100), (50, 9106),

Gene: Conan_12 Start: 8164, Stop: 8625, Start Num: 18

Candidate Starts for Conan_12:

(Start: 18 @8164 has 106 MA's), (23, 8179), (51, 8353), (73, 8509), (95, 8611),

Gene: Conceptll_18 Start: 13371, Stop: 13820, Start Num: 19

Candidate Starts for Conceptll_18:

(Start: 19 @13371 has 208 MA's), (70, 13707), (89, 13782),

Gene: Corvo_17 Start: 13368, Stop: 13817, Start Num: 19

Candidate Starts for Corvo_17:

(Start: 19 @13368 has 208 MA's), (Start: 24 @13392 has 1 MA's), (70, 13704), (89, 13779),

Gene: Crewmate_9 Start: 8291, Stop: 8698, Start Num: 13

Candidate Starts for Crewmate_9:

(Start: 13 @8291 has 83 MA's), (44, 8471), (48, 8483), (52, 8528),

Gene: Crispicous1_16 Start: 12360, Stop: 12809, Start Num: 19

Candidate Starts for Crispicous1_16:

(Start: 19 @12360 has 208 MA's), (Start: 24 @12384 has 1 MA's), (70, 12696), (89, 12771),

Gene: Cueyllyss_17 Start: 13061, Stop: 13510, Start Num: 19

Candidate Starts for Cueyllyss_17:

(Start: 19 @13061 has 208 MA's), (70, 13397), (89, 13472),

Gene: Cyan_8 Start: 7843, Stop: 8250, Start Num: 13

Candidate Starts for Cyan_8:

(Start: 13 @7843 has 83 MA's), (48, 8035),

Gene: DD5_18 Start: 13610, Stop: 14059, Start Num: 19

Candidate Starts for DD5_18:

(Start: 19 @13610 has 208 MA's), (Start: 24 @13634 has 1 MA's), (70, 13946), (89, 14021),

Gene: Danzina_12 Start: 8569, Stop: 9018, Start Num: 18

Candidate Starts for Danzina_12:

(Start: 6 @8512 has 1 MA's), (Start: 18 @8569 has 106 MA's), (51, 8758),

Gene: Dattran_12 Start: 8364, Stop: 8813, Start Num: 18

Candidate Starts for Dattran_12:

(Start: 6 @8307 has 1 MA's), (Start: 18 @8364 has 106 MA's), (44, 8514), (45, 8517), (51, 8553),

Gene: Daudau_11 Start: 8198, Stop: 8698, Start Num: 18

Candidate Starts for Daudau_11:

(9, 8156), (Start: 18 @8198 has 106 MA's), (51, 8396), (67, 8516), (73, 8552), (74, 8558),

Gene: Dexers_10 Start: 8157, Stop: 8618, Start Num: 18

Candidate Starts for Dexers_10:

(Start: 18 @8157 has 106 MA's), (23, 8172), (51, 8346), (73, 8502), (95, 8604),

Gene: Dexes_18 Start: 13576, Stop: 14025, Start Num: 19

Candidate Starts for Dexes_18:

(Start: 19 @13576 has 208 MA's), (Start: 24 @13600 has 1 MA's), (70, 13912), (89, 13987),

Gene: Diane_11 Start: 8130, Stop: 8606, Start Num: 18

Candidate Starts for Diane_11:

(Start: 18 @8130 has 106 MA's), (45, 8292), (51, 8328),

Gene: Diminimus_20 Start: 11030, Stop: 11512, Start Num: 16

Candidate Starts for Diminimus_20:

(Start: 16 @11030 has 16 MA's), (27, 11081), (45, 11210), (76, 11414), (83, 11438),

Gene: DirtDevil_18 Start: 13747, Stop: 14196, Start Num: 19

Candidate Starts for DirtDevil_18:

(Start: 19 @13747 has 208 MA's), (Start: 24 @13771 has 1 MA's), (70, 14083), (89, 14158),

Gene: Donkey_8 Start: 7252, Stop: 7719, Start Num: 13

Candidate Starts for Donkey_8:

(2, 7201), (Start: 13 @7252 has 83 MA's), (46, 7444), (55, 7525), (62, 7576),

Gene: Doom_18 Start: 13634, Stop: 14083, Start Num: 19

Candidate Starts for Doom_18:

(Start: 19 @13634 has 208 MA's), (Start: 24 @13658 has 1 MA's), (70, 13970), (89, 14045),

Gene: DrFeelGood_16 Start: 12986, Stop: 13435, Start Num: 19

Candidate Starts for DrFeelGood_16:

(Start: 19 @12986 has 208 MA's), (Start: 24 @13010 has 1 MA's), (70, 13322), (89, 13397),

Gene: DrManhattan_8 Start: 7844, Stop: 8248, Start Num: 13

Candidate Starts for DrManhattan_8:

(Start: 13 @7844 has 83 MA's), (44, 8024), (48, 8036),

Gene: DrSierra_8 Start: 7783, Stop: 8259, Start Num: 1

Candidate Starts for DrSierra_8:

(Start: 1 @7783 has 1 MA's), (11, 7828), (17, 7855),

Gene: DreamCatcher_20 Start: 14343, Stop: 14792, Start Num: 19

Candidate Starts for DreamCatcher_20:

(Start: 19 @14343 has 208 MA's), (Start: 24 @14367 has 1 MA's), (70, 14679), (89, 14754),

Gene: Dreamboat_18 Start: 12810, Stop: 13259, Start Num: 19

Candidate Starts for Dreamboat_18:

(Start: 19 @12810 has 208 MA's), (Start: 24 @12834 has 1 MA's), (70, 13146), (89, 13221),

Gene: Dulcie_16 Start: 12552, Stop: 13001, Start Num: 19

Candidate Starts for Dulcie_16:

(Start: 19 @12552 has 208 MA's), (Start: 24 @12576 has 1 MA's), (70, 12888), (89, 12963),

Gene: Dulcita_20 Start: 11030, Stop: 11512, Start Num: 16

Candidate Starts for Dulcita_20:

(Start: 16 @11030 has 16 MA's), (27, 11081), (45, 11210), (76, 11414), (83, 11438),

Gene: Dussy_18 Start: 13206, Stop: 13655, Start Num: 19

Candidate Starts for Dussy_18:

(Start: 19 @13206 has 208 MA's), (Start: 24 @13230 has 1 MA's), (70, 13542), (89, 13617),

Gene: Dwayne_11 Start: 8364, Stop: 8813, Start Num: 18

Candidate Starts for Dwayne_11:

(Start: 6 @8307 has 1 MA's), (Start: 18 @8364 has 106 MA's), (51, 8553), (87, 8757),

Gene: Dynamix_18 Start: 12962, Stop: 13411, Start Num: 19

Candidate Starts for Dynamix_18:

(Start: 19 @12962 has 208 MA's), (Start: 24 @12986 has 1 MA's), (70, 13298), (89, 13373),

Gene: ELB20_10 Start: 8214, Stop: 8711, Start Num: 18

Candidate Starts for ELB20_10:

(Start: 18 @8214 has 106 MA's), (48, 8385), (51, 8412), (65, 8526), (73, 8568), (74, 8574), (95, 8697),

Gene: Eddasa_12 Start: 8558, Stop: 9010, Start Num: 18

Candidate Starts for Eddasa_12:

(10, 8519), (Start: 18 @8558 has 106 MA's), (51, 8750), (73, 8906),

Gene: Edtherson_18 Start: 13704, Stop: 14153, Start Num: 19

Candidate Starts for Edtherson_18:

(Start: 19 @13704 has 208 MA's), (Start: 24 @13728 has 1 MA's), (70, 14040), (89, 14115),

Gene: Ejemplo_11 Start: 8367, Stop: 8816, Start Num: 18

Candidate Starts for Ejemplo_11:

(Start: 6 @8310 has 1 MA's), (Start: 18 @8367 has 106 MA's), (51, 8556), (87, 8760),

Gene: ElGato_12 Start: 8167, Stop: 8628, Start Num: 18

Candidate Starts for ElGato_12:

(Start: 18 @8167 has 106 MA's), (23, 8182), (51, 8356), (73, 8512), (95, 8614),

Gene: Elezi_8 Start: 7827, Stop: 8234, Start Num: 13

Candidate Starts for Elezi_8:

(Start: 13 @7827 has 83 MA's), (47, 8016), (48, 8019), (50, 8025), (52, 8064),

Gene: Emaanora_13 Start: 8364, Stop: 8813, Start Num: 18

Candidate Starts for Emaanora_13:

(Start: 18 @8364 has 106 MA's), (51, 8553), (87, 8757),

Gene: Emotion_7 Start: 6195, Stop: 6596, Start Num: 13

Candidate Starts for Emotion_7:

(Start: 13 @6195 has 83 MA's),

Gene: EnochSoames_12 Start: 8554, Stop: 9006, Start Num: 18

Candidate Starts for EnochSoames_12:

(10, 8515), (Start: 18 @8554 has 106 MA's), (51, 8746), (73, 8902),

Gene: EnzoK_18 Start: 13144, Stop: 13593, Start Num: 19

Candidate Starts for EnzoK_18:

(Start: 19 @13144 has 208 MA's), (Start: 24 @13168 has 1 MA's), (70, 13480), (89, 13555),

Gene: Eraser_8 Start: 7827, Stop: 8234, Start Num: 13

Candidate Starts for Eraser_8:

(Start: 13 @7827 has 83 MA's), (47, 8016), (48, 8019), (50, 8025), (52, 8064),

Gene: Esperer_11 Start: 8395, Stop: 8847, Start Num: 18

Candidate Starts for Esperer_11:

(10, 8356), (Start: 18 @8395 has 106 MA's), (51, 8587), (73, 8743),

Gene: Espresso_17 Start: 13014, Stop: 13463, Start Num: 19

Candidate Starts for Espresso_17:

(Start: 19 @13014 has 208 MA's), (Start: 24 @13038 has 1 MA's), (70, 13350), (89, 13425),

Gene: Euphoria_17 Start: 12906, Stop: 13355, Start Num: 19
Candidate Starts for Euphoria_17:
(Start: 19 @12906 has 208 MA's), (Start: 24 @12930 has 1 MA's), (70, 13242), (89, 13317),

Gene: Exile_8 Start: 7864, Stop: 8262, Start Num: 13
Candidate Starts for Exile_8:
(Start: 13 @7864 has 83 MA's), (44, 8044), (48, 8056),

Gene: Eyeball_17 Start: 12645, Stop: 13094, Start Num: 19
Candidate Starts for Eyeball_17:
(Start: 19 @12645 has 208 MA's), (Start: 24 @12669 has 1 MA's), (70, 12981), (89, 13056),

Gene: Fajezeel_19 Start: 13225, Stop: 13674, Start Num: 19
Candidate Starts for Fajezeel_19:
(Start: 19 @13225 has 208 MA's), (Start: 24 @13249 has 1 MA's), (70, 13561), (89, 13636),

Gene: Fascinus_16 Start: 12648, Stop: 13097, Start Num: 19
Candidate Starts for Fascinus_16:
(Start: 19 @12648 has 208 MA's), (Start: 24 @12672 has 1 MA's), (70, 12984), (89, 13059),

Gene: Fenn_18 Start: 14453, Stop: 14902, Start Num: 19
Candidate Starts for Fenn_18:
(Start: 19 @14453 has 208 MA's), (Start: 24 @14477 has 1 MA's), (70, 14789), (89, 14864),

Gene: FiveHead_7 Start: 6168, Stop: 6569, Start Num: 13
Candidate Starts for FiveHead_7:
(Start: 13 @6168 has 83 MA's), (48, 6360), (52, 6405),

Gene: Floof_7 Start: 6625, Stop: 7029, Start Num: 13
Candidate Starts for Floof_7:
(Start: 13 @6625 has 83 MA's), (25, 6670), (55, 6895), (56, 6901),

Gene: Flutur_8 Start: 7842, Stop: 8249, Start Num: 13
Candidate Starts for Flutur_8:
(Start: 13 @7842 has 83 MA's), (48, 8034),

Gene: Footloose_7 Start: 5771, Stop: 6229, Start Num: 43
Candidate Starts for Footloose_7:
(Start: 43 @5771 has 1 MA's), (54, 5867), (66, 5942), (68, 5951), (69, 5963), (72, 5978), (84, 6032),
(93, 6101), (97, 6143), (98, 6188),

Gene: Forester_15 Start: 8209, Stop: 8697, Start Num: 13
Candidate Starts for Forester_15:
(Start: 13 @8209 has 83 MA's), (25, 8254), (55, 8479), (61, 8524), (80, 8617),

Gene: Forsytheast_16 Start: 12915, Stop: 13364, Start Num: 19
Candidate Starts for Forsytheast_16:
(Start: 19 @12915 has 208 MA's), (Start: 24 @12939 has 1 MA's), (70, 13251), (89, 13326),

Gene: Francis47_17 Start: 13462, Stop: 13911, Start Num: 19
Candidate Starts for Francis47_17:
(Start: 19 @13462 has 208 MA's), (Start: 24 @13486 has 1 MA's), (70, 13798), (89, 13873),

Gene: FreakyGoo_20 Start: 11031, Stop: 11513, Start Num: 16
Candidate Starts for FreakyGoo_20:
(Start: 16 @11031 has 16 MA's), (27, 11082), (45, 11211), (76, 11415), (83, 11439),

Gene: Froghopper_18 Start: 12878, Stop: 13327, Start Num: 19
Candidate Starts for Froghopper_18:
(Start: 19 @12878 has 208 MA's), (Start: 24 @12902 has 1 MA's), (70, 13214), (89, 13289),

Gene: Fushigi_18 Start: 13325, Stop: 13774, Start Num: 19
Candidate Starts for Fushigi_18:
(Start: 19 @13325 has 208 MA's), (Start: 24 @13349 has 1 MA's), (70, 13661), (89, 13736),

Gene: GMonster_16 Start: 12761, Stop: 13210, Start Num: 19
Candidate Starts for GMonster_16:
(Start: 19 @12761 has 208 MA's), (Start: 24 @12785 has 1 MA's), (70, 13097), (89, 13172),

Gene: Gachnar_17 Start: 12936, Stop: 13385, Start Num: 19
Candidate Starts for Gachnar_17:
(Start: 19 @12936 has 208 MA's), (Start: 24 @12960 has 1 MA's), (70, 13272), (89, 13347),

Gene: GageAP_19 Start: 13642, Stop: 14091, Start Num: 19
Candidate Starts for GageAP_19:
(Start: 19 @13642 has 208 MA's), (Start: 24 @13666 has 1 MA's), (70, 13978), (89, 14053),

Gene: Gambol_8 Start: 7252, Stop: 7719, Start Num: 13
Candidate Starts for Gambol_8:
(2, 7201), (Start: 13 @7252 has 83 MA's), (46, 7444), (55, 7525), (62, 7576),

Gene: Gandalf20_18 Start: 13709, Stop: 14158, Start Num: 19
Candidate Starts for Gandalf20_18:
(Start: 19 @13709 has 208 MA's), (Start: 24 @13733 has 1 MA's), (70, 14045), (89, 14120),

Gene: GardenState_8 Start: 7336, Stop: 7818, Start Num: 13
Candidate Starts for GardenState_8:
(Start: 13 @7336 has 83 MA's), (25, 7387),

Gene: Giorgio_8 Start: 7345, Stop: 7812, Start Num: 13
Candidate Starts for Giorgio_8:
(2, 7294), (Start: 13 @7345 has 83 MA's), (46, 7537), (55, 7618),

Gene: GirlDinner_11 Start: 8209, Stop: 8697, Start Num: 18
Candidate Starts for GirlDinner_11:
(Start: 18 @8209 has 106 MA's), (36, 8320), (41, 8350), (51, 8407), (65, 8521), (73, 8563), (74, 8569),
(90, 8638),

Gene: Glaske16_20 Start: 11030, Stop: 11512, Start Num: 16
Candidate Starts for Glaske16_20:
(Start: 16 @11030 has 16 MA's), (27, 11081), (45, 11210), (76, 11414), (83, 11438),

Gene: Goby_11 Start: 8367, Stop: 8816, Start Num: 18
Candidate Starts for Goby_11:
(Start: 6 @8310 has 1 MA's), (Start: 18 @8367 has 106 MA's), (51, 8556), (73, 8712),

Gene: Godpower_12 Start: 8382, Stop: 8831, Start Num: 18

Candidate Starts for Godpower_12:

(Start: 18 @8382 has 106 MA's), (51, 8571), (73, 8727),

Gene: Gompeii16_17 Start: 13410, Stop: 13859, Start Num: 19

Candidate Starts for Gompeii16_17:

(Start: 19 @13410 has 208 MA's), (Start: 24 @13434 has 1 MA's), (70, 13746), (89, 13821),

Gene: Graduation_19 Start: 13675, Stop: 14124, Start Num: 19

Candidate Starts for Graduation_19:

(Start: 19 @13675 has 208 MA's), (Start: 24 @13699 has 1 MA's), (70, 14011), (89, 14086),

Gene: GrecoEtereo_18 Start: 13216, Stop: 13665, Start Num: 19

Candidate Starts for GrecoEtereo_18:

(Start: 19 @13216 has 208 MA's), (Start: 24 @13240 has 1 MA's), (70, 13552), (89, 13627),

Gene: GreenWeasel_13 Start: 8459, Stop: 8926, Start Num: 18

Candidate Starts for GreenWeasel_13:

(Start: 18 @8459 has 106 MA's), (44, 8609), (45, 8612), (51, 8648), (60, 8735), (77, 8828), (83, 8846), (95, 8912),

Gene: Greg_19 Start: 13225, Stop: 13674, Start Num: 19

Candidate Starts for Greg_19:

(Start: 19 @13225 has 208 MA's), (Start: 24 @13249 has 1 MA's), (70, 13561), (89, 13636),

Gene: Gretchen_8 Start: 8203, Stop: 8691, Start Num: 13

Candidate Starts for Gretchen_8:

(Start: 13 @8203 has 83 MA's), (25, 8248), (55, 8473), (61, 8518), (80, 8611),

Gene: GroundGoblin_18 Start: 13747, Stop: 14196, Start Num: 19

Candidate Starts for GroundGoblin_18:

(Start: 19 @13747 has 208 MA's), (Start: 24 @13771 has 1 MA's), (70, 14083), (89, 14158),

Gene: Gumpizza_8 Start: 7344, Stop: 7811, Start Num: 13

Candidate Starts for Gumpizza_8:

(2, 7293), (Start: 13 @7344 has 83 MA's), (46, 7536), (55, 7617),

Gene: Gyzlar_19 Start: 14152, Stop: 14601, Start Num: 19

Candidate Starts for Gyzlar_19:

(Start: 19 @14152 has 208 MA's), (Start: 24 @14176 has 1 MA's), (70, 14488), (89, 14563),

Gene: Haizum_11 Start: 8160, Stop: 8636, Start Num: 18

Candidate Starts for Haizum_11:

(Start: 18 @8160 has 106 MA's), (45, 8322), (51, 8358),

Gene: Halsey_8 Start: 7343, Stop: 7810, Start Num: 13

Candidate Starts for Halsey_8:

(2, 7292), (Start: 13 @7343 has 83 MA's), (46, 7535), (55, 7616),

Gene: Hami1_19 Start: 13297, Stop: 13746, Start Num: 19

Candidate Starts for Hami1_19:

(Start: 19 @13297 has 208 MA's), (Start: 24 @13321 has 1 MA's), (70, 13633), (89, 13708),

Gene: HanShotFirst_17 Start: 12831, Stop: 13280, Start Num: 19
Candidate Starts for HanShotFirst_17:
(Start: 19 @12831 has 208 MA's), (Start: 24 @12855 has 1 MA's), (70, 13167), (89, 13242),

Gene: Hank144_12 Start: 8436, Stop: 8966, Start Num: 5
Candidate Starts for Hank144_12:
(Start: 5 @8436 has 1 MA's), (8, 8451), (Start: 18 @8499 has 106 MA's), (49, 8673), (51, 8697), (65, 8811),

Gene: HarryOW_18 Start: 13216, Stop: 13665, Start Num: 19
Candidate Starts for HarryOW_18:
(Start: 19 @13216 has 208 MA's), (Start: 24 @13240 has 1 MA's), (70, 13552), (89, 13627),

Gene: Hermia_19 Start: 13963, Stop: 14388, Start Num: 24
Candidate Starts for Hermia_19:
(Start: 19 @13939 has 208 MA's), (Start: 24 @13963 has 1 MA's), (70, 14275), (89, 14350),

Gene: HermioneGrange_17 Start: 12851, Stop: 13300, Start Num: 19
Candidate Starts for HermioneGrange_17:
(Start: 19 @12851 has 208 MA's), (Start: 24 @12875 has 1 MA's), (70, 13187), (89, 13262),

Gene: Hippo_11 Start: 8364, Stop: 8813, Start Num: 18
Candidate Starts for Hippo_11:
(Start: 18 @8364 has 106 MA's), (51, 8553), (87, 8757),

Gene: Homines_17 Start: 12941, Stop: 13390, Start Num: 19
Candidate Starts for Homines_17:
(Start: 19 @12941 has 208 MA's), (Start: 24 @12965 has 1 MA's), (70, 13277), (89, 13352),

Gene: Honk_7 Start: 6227, Stop: 6709, Start Num: 15
Candidate Starts for Honk_7:
(Start: 15 @6227 has 1 MA's), (42, 6386), (49, 6416), (73, 6587), (88, 6665),

Gene: Hope4ever_17 Start: 13327, Stop: 13776, Start Num: 19
Candidate Starts for Hope4ever_17:
(Start: 19 @13327 has 208 MA's), (Start: 24 @13351 has 1 MA's), (70, 13663), (89, 13738),

Gene: Hydra_13 Start: 8923, Stop: 9375, Start Num: 18
Candidate Starts for Hydra_13:
(10, 8884), (Start: 18 @8923 has 106 MA's), (51, 9115), (73, 9271),

Gene: IAmGroot_8 Start: 7980, Stop: 8462, Start Num: 13
Candidate Starts for IAmGroot_8:
(Start: 13 @7980 has 83 MA's), (25, 8031),

Gene: ILeeKay_19 Start: 13086, Stop: 13535, Start Num: 19
Candidate Starts for ILeeKay_19:
(Start: 19 @13086 has 208 MA's), (Start: 24 @13110 has 1 MA's), (70, 13422), (89, 13497),

Gene: IPHane7_19 Start: 11031, Stop: 11513, Start Num: 16
Candidate Starts for IPHane7_19:
(Start: 16 @11031 has 16 MA's), (27, 11082), (45, 11211), (76, 11415), (83, 11439),

Gene: IUFootball_7 Start: 6336, Stop: 6731, Start Num: 13

Candidate Starts for IUFootball_7:

(Start: 13 @6336 has 83 MA's), (48, 6528), (63, 6657),

Gene: Ichabod_18 Start: 12943, Stop: 13392, Start Num: 19

Candidate Starts for Ichabod_18:

(Start: 19 @12943 has 208 MA's), (Start: 24 @12967 has 1 MA's), (57, 13210), (70, 13279), (89, 13354),

Gene: IgnatiusPatJac_16 Start: 12912, Stop: 13361, Start Num: 19

Candidate Starts for IgnatiusPatJac_16:

(Start: 19 @12912 has 208 MA's), (Start: 24 @12936 has 1 MA's), (70, 13248), (89, 13323),

Gene: Indigo_11 Start: 8395, Stop: 8847, Start Num: 18

Candidate Starts for Indigo_11:

(10, 8356), (Start: 18 @8395 has 106 MA's), (51, 8587), (73, 8743),

Gene: Inyanga_16 Start: 12689, Stop: 13138, Start Num: 19

Candidate Starts for Inyanga_16:

(Start: 19 @12689 has 208 MA's), (Start: 24 @12713 has 1 MA's), (70, 13025), (89, 13100),

Gene: Iqorha_16 Start: 12688, Stop: 13137, Start Num: 19

Candidate Starts for Iqorha_16:

(Start: 19 @12688 has 208 MA's), (Start: 24 @12712 has 1 MA's), (70, 13024), (89, 13099),

Gene: Issmi_12 Start: 8440, Stop: 8916, Start Num: 18

Candidate Starts for Issmi_12:

(Start: 18 @8440 has 106 MA's), (51, 8638), (79, 8830), (95, 8902),

Gene: Iter_8 Start: 7909, Stop: 8259, Start Num: 28

Candidate Starts for Iter_8:

(Start: 13 @7852 has 83 MA's), (Start: 28 @7909 has 1 MA's), (48, 8044), (52, 8089),

Gene: IttyBittyPiggy_8 Start: 7843, Stop: 8253, Start Num: 13

Candidate Starts for IttyBittyPiggy_8:

(Start: 13 @7843 has 83 MA's), (48, 8035), (52, 8080),

Gene: Itza_11 Start: 8587, Stop: 9072, Start Num: 18

Candidate Starts for Itza_11:

(Start: 18 @8587 has 106 MA's), (45, 8740), (51, 8776), (60, 8863),

Gene: Izel_20 Start: 11030, Stop: 11512, Start Num: 16

Candidate Starts for Izel_20:

(Start: 16 @11030 has 16 MA's), (27, 11081), (45, 11210), (76, 11414), (83, 11438),

Gene: Izzy_12 Start: 8605, Stop: 9057, Start Num: 18

Candidate Starts for Izzy_12:

(10, 8566), (Start: 18 @8605 has 106 MA's), (51, 8797), (73, 8953),

Gene: JC27_19 Start: 13822, Stop: 14271, Start Num: 19

Candidate Starts for JC27_19:

(Start: 19 @13822 has 208 MA's), (Start: 24 @13846 has 1 MA's), (70, 14158), (89, 14233),

Gene: JackSparrow_18 Start: 13253, Stop: 13702, Start Num: 19
Candidate Starts for JackSparrow_18:
(Start: 19 @13253 has 208 MA's), (Start: 24 @13277 has 1 MA's), (70, 13589), (89, 13664),

Gene: Janeemi_9 Start: 8938, Stop: 9369, Start Num: 13
Candidate Starts for Janeemi_9:
(Start: 13 @8938 has 83 MA's), (48, 9130), (52, 9175),

Gene: Janus_12 Start: 8547, Stop: 9035, Start Num: 18
Candidate Starts for Janus_12:
(3, 8478), (Start: 18 @8547 has 106 MA's), (36, 8658), (41, 8688), (51, 8745), (65, 8859), (73, 8901),
(74, 8907), (90, 8976),

Gene: Jash_12 Start: 8558, Stop: 9010, Start Num: 18
Candidate Starts for Jash_12:
(10, 8519), (Start: 18 @8558 has 106 MA's), (51, 8750), (73, 8906),

Gene: JasmineDragon_7 Start: 6172, Stop: 6573, Start Num: 13
Candidate Starts for JasmineDragon_7:
(Start: 13 @6172 has 83 MA's), (52, 6409),

Gene: Jasper_18 Start: 12754, Stop: 13203, Start Num: 19
Candidate Starts for Jasper_18:
(Start: 19 @12754 has 208 MA's), (Start: 24 @12778 has 1 MA's), (70, 13090), (89, 13165),

Gene: Jerm2_18 Start: 13123, Stop: 13572, Start Num: 19
Candidate Starts for Jerm2_18:
(Start: 19 @13123 has 208 MA's), (Start: 24 @13147 has 1 MA's), (70, 13459), (89, 13534),

Gene: Jevington_13 Start: 8742, Stop: 9218, Start Num: 18
Candidate Starts for Jevington_13:
(Start: 18 @8742 has 106 MA's), (38, 8862), (45, 8904), (60, 9027), (79, 9132), (87, 9147), (95, 9204),

Gene: Jhitchelle_11 Start: 8093, Stop: 8554, Start Num: 18
Candidate Starts for Jhitchelle_11:
(Start: 18 @8093 has 106 MA's), (23, 8108), (51, 8282), (73, 8438), (95, 8540),

Gene: Joemato_8 Start: 7843, Stop: 8250, Start Num: 13
Candidate Starts for Joemato_8:
(Start: 13 @7843 has 83 MA's), (48, 8035),

Gene: JohnDoe_8 Start: 7841, Stop: 8248, Start Num: 13
Candidate Starts for JohnDoe_8:
(Start: 13 @7841 has 83 MA's), (48, 8033),

Gene: JohnThicc_7 Start: 6168, Stop: 6569, Start Num: 13
Candidate Starts for JohnThicc_7:
(Start: 13 @6168 has 83 MA's), (48, 6360), (52, 6405),

Gene: Jorgensen_17 Start: 12710, Stop: 13159, Start Num: 19
Candidate Starts for Jorgensen_17:
(Start: 19 @12710 has 208 MA's), (Start: 24 @12734 has 1 MA's), (70, 13046), (89, 13121),

Gene: Jstan_8 Start: 7827, Stop: 8234, Start Num: 13
Candidate Starts for Jstan_8:
(Start: 13 @7827 has 83 MA's), (47, 8016), (48, 8019), (50, 8025), (52, 8064),

Gene: JuliaChild_19 Start: 13381, Stop: 13830, Start Num: 19
Candidate Starts for JuliaChild_19:
(Start: 19 @13381 has 208 MA's), (Start: 24 @13405 has 1 MA's), (70, 13717), (89, 13792),

Gene: JuneStar_8 Start: 7957, Stop: 8352, Start Num: 13
Candidate Starts for JuneStar_8:
(Start: 13 @7957 has 83 MA's), (52, 8194),

Gene: KBG_18 Start: 13831, Stop: 14280, Start Num: 19
Candidate Starts for KBG_18:
(Start: 19 @13831 has 208 MA's), (Start: 24 @13855 has 1 MA's), (70, 14167), (89, 14242),

Gene: KSSJEB_17 Start: 12728, Stop: 13177, Start Num: 19
Candidate Starts for KSSJEB_17:
(Start: 19 @12728 has 208 MA's), (Start: 24 @12752 has 1 MA's), (70, 13064), (89, 13139),

Gene: Kaine_11 Start: 8157, Stop: 8618, Start Num: 18
Candidate Starts for Kaine_11:
(Start: 18 @8157 has 106 MA's), (23, 8172), (51, 8346), (73, 8502), (95, 8604),

Gene: Kalimba_8 Start: 7252, Stop: 7719, Start Num: 13
Candidate Starts for Kalimba_8:
(2, 7201), (Start: 13 @7252 has 83 MA's), (46, 7444), (55, 7525), (62, 7576),

Gene: Kanely_18 Start: 13490, Stop: 13939, Start Num: 19
Candidate Starts for Kanely_18:
(Start: 19 @13490 has 208 MA's), (Start: 24 @13514 has 1 MA's), (70, 13826), (89, 13901),

Gene: Katalie_12 Start: 8637, Stop: 9086, Start Num: 18
Candidate Starts for Katalie_12:
(Start: 6 @8580 has 1 MA's), (Start: 18 @8637 has 106 MA's), (51, 8826),

Gene: Kaylissa_8 Start: 7844, Stop: 8251, Start Num: 13
Candidate Starts for Kaylissa_8:
(Start: 13 @7844 has 83 MA's), (48, 8036),

Gene: KeAlii_8 Start: 7870, Stop: 8277, Start Num: 13
Candidate Starts for KeAlii_8:
(Start: 13 @7870 has 83 MA's), (Start: 28 @7927 has 1 MA's),

Gene: Kenmech_20 Start: 14292, Stop: 14741, Start Num: 19
Candidate Starts for Kenmech_20:
(Start: 19 @14292 has 208 MA's), (Start: 24 @14316 has 1 MA's), (70, 14628), (89, 14703),

Gene: KikiBouba_18 Start: 13748, Stop: 14197, Start Num: 19
Candidate Starts for KikiBouba_18:
(Start: 19 @13748 has 208 MA's), (Start: 24 @13772 has 1 MA's), (70, 14084), (89, 14159),

Gene: Killigrew_15 Start: 12364, Stop: 12813, Start Num: 19
Candidate Starts for Killigrew_15:
(Start: 19 @12364 has 208 MA's), (Start: 24 @12388 has 1 MA's), (70, 12700), (89, 12775),

Gene: KleverKiS_19 Start: 11027, Stop: 11509, Start Num: 16
Candidate Starts for KleverKiS_19:
(Start: 16 @11027 has 16 MA's), (27, 11078), (45, 11207), (76, 11411), (83, 11435),

Gene: Kumao_18 Start: 10373, Stop: 10849, Start Num: 18
Candidate Starts for Kumao_18:
(Start: 18 @10373 has 106 MA's), (23, 10391), (27, 10412), (29, 10418), (33, 10460), (35, 10472), (51, 10583), (52, 10601), (53, 10613), (78, 10754), (81, 10772), (86, 10784),

Gene: KyMonks1A_19 Start: 13229, Stop: 13678, Start Num: 19
Candidate Starts for KyMonks1A_19:
(Start: 19 @13229 has 208 MA's), (Start: 24 @13253 has 1 MA's), (70, 13565), (89, 13640),

Gene: LadyAstra_7 Start: 6168, Stop: 6569, Start Num: 13
Candidate Starts for LadyAstra_7:
(Start: 13 @6168 has 83 MA's), (48, 6360), (52, 6405),

Gene: Lamina13_17 Start: 12505, Stop: 12954, Start Num: 19
Candidate Starts for Lamina13_17:
(Start: 19 @12505 has 208 MA's), (Start: 24 @12529 has 1 MA's), (70, 12841), (89, 12916),

Gene: Lannister_12 Start: 8385, Stop: 8834, Start Num: 18
Candidate Starts for Lannister_12:
(Start: 18 @8385 has 106 MA's), (51, 8574),

Gene: Legacy_11 Start: 8366, Stop: 8818, Start Num: 18
Candidate Starts for Legacy_11:
(10, 8327), (Start: 18 @8366 has 106 MA's), (51, 8558), (73, 8714),

Gene: Lego_8 Start: 7842, Stop: 8249, Start Num: 13
Candidate Starts for Lego_8:
(Start: 13 @7842 has 83 MA's), (48, 8034),

Gene: Lesedi_16 Start: 12666, Stop: 13115, Start Num: 19
Candidate Starts for Lesedi_16:
(Start: 19 @12666 has 208 MA's), (Start: 24 @12690 has 1 MA's), (70, 13002), (89, 13077),

Gene: Levia_17 Start: 13692, Stop: 14141, Start Num: 19
Candidate Starts for Levia_17:
(Start: 19 @13692 has 208 MA's), (Start: 24 @13716 has 1 MA's), (70, 14028), (89, 14103),

Gene: Leviticus_11 Start: 8395, Stop: 8847, Start Num: 18
Candidate Starts for Leviticus_11:
(10, 8356), (Start: 18 @8395 has 106 MA's), (51, 8587), (73, 8743),

Gene: Licorice_19 Start: 13818, Stop: 14267, Start Num: 19
Candidate Starts for Licorice_19:
(Start: 19 @13818 has 208 MA's), (Start: 24 @13842 has 1 MA's), (70, 14154), (89, 14229),

Gene: Liebe_7 Start: 6336, Stop: 6731, Start Num: 13
Candidate Starts for Liebe_7:
(Start: 13 @6336 has 83 MA's), (48, 6528), (63, 6657),

Gene: Lika_11 Start: 8383, Stop: 8832, Start Num: 18
Candidate Starts for Lika_11:
(Start: 18 @8383 has 106 MA's), (51, 8572), (73, 8728),

Gene: LilBib_18 Start: 13748, Stop: 14197, Start Num: 19
Candidate Starts for LilBib_18:
(Start: 19 @13748 has 208 MA's), (Start: 24 @13772 has 1 MA's), (70, 14084), (89, 14159),

Gene: LilhomieP_18 Start: 11031, Stop: 11513, Start Num: 16
Candidate Starts for LilhomieP_18:
(Start: 16 @11031 has 16 MA's), (27, 11082), (45, 11211), (76, 11415), (83, 11439),

Gene: Lizalica_8 Start: 7834, Stop: 8241, Start Num: 13
Candidate Starts for Lizalica_8:
(Start: 13 @7834 has 83 MA's), (48, 8026), (52, 8071),

Gene: Lockley_17 Start: 12843, Stop: 13292, Start Num: 19
Candidate Starts for Lockley_17:
(Start: 19 @12843 has 208 MA's), (Start: 24 @12867 has 1 MA's), (70, 13179), (89, 13254),

Gene: London_8 Start: 7827, Stop: 8234, Start Num: 13
Candidate Starts for London_8:
(Start: 13 @7827 has 83 MA's), (47, 8016), (48, 8019), (50, 8025), (52, 8064),

Gene: Loofah_12 Start: 8254, Stop: 8751, Start Num: 18
Candidate Starts for Loofah_12:
(Start: 18 @8254 has 106 MA's), (48, 8425), (51, 8452), (65, 8566), (73, 8608), (74, 8614), (95, 8737),

Gene: Lopton_18 Start: 14267, Stop: 14716, Start Num: 19
Candidate Starts for Lopton_18:
(Start: 19 @14267 has 208 MA's), (Start: 24 @14291 has 1 MA's), (89, 14678),

Gene: Lorelei_11 Start: 8361, Stop: 8804, Start Num: 18
Candidate Starts for Lorelei_11:
(Start: 6 @8304 has 1 MA's), (Start: 18 @8361 has 106 MA's), (51, 8544), (87, 8748),

Gene: LunarLander_17 Start: 12622, Stop: 13071, Start Num: 19
Candidate Starts for LunarLander_17:
(Start: 19 @12622 has 208 MA's), (70, 12958), (89, 13033),

Gene: MPlant7149_16 Start: 12477, Stop: 12926, Start Num: 19
Candidate Starts for MPlant7149_16:
(Start: 19 @12477 has 208 MA's), (Start: 24 @12501 has 1 MA's), (70, 12813), (89, 12888),

Gene: MaGuCo_7 Start: 6195, Stop: 6590, Start Num: 13
Candidate Starts for MaGuCo_7:
(Start: 13 @6195 has 83 MA's), (48, 6387), (63, 6516),

Gene: Mabodamaca_8 Start: 7413, Stop: 7892, Start Num: 13

Candidate Starts for Mabodamaca_8:
(Start: 13 @7413 has 83 MA's), (56, 7689), (91, 7884),

Gene: Magnar_17 Start: 12624, Stop: 13073, Start Num: 19
Candidate Starts for Magnar_17:
(Start: 19 @12624 has 208 MA's), (Start: 24 @12648 has 1 MA's), (70, 12960), (89, 13035),

Gene: Magnito_16 Start: 12388, Stop: 12837, Start Num: 19
Candidate Starts for Magnito_16:
(Start: 19 @12388 has 208 MA's), (Start: 24 @12412 has 1 MA's), (70, 12724), (89, 12799),

Gene: Makemake_17 Start: 14117, Stop: 14566, Start Num: 19
Candidate Starts for Makemake_17:
(Start: 19 @14117 has 208 MA's), (Start: 24 @14141 has 1 MA's), (70, 14453), (89, 14528),

Gene: Manatee_18 Start: 13139, Stop: 13588, Start Num: 19
Candidate Starts for Manatee_18:
(Start: 19 @13139 has 208 MA's), (Start: 24 @13163 has 1 MA's), (70, 13475), (89, 13550),

Gene: Maneekul_11 Start: 8366, Stop: 8815, Start Num: 18
Candidate Starts for Maneekul_11:
(Start: 6 @8309 has 1 MA's), (Start: 18 @8366 has 106 MA's), (51, 8555), (87, 8759),

Gene: Marav_14 Start: 9092, Stop: 9568, Start Num: 18
Candidate Starts for Marav_14:
(Start: 18 @9092 has 106 MA's), (38, 9212), (45, 9254), (51, 9290), (79, 9482), (95, 9554),

Gene: Marcell_17 Start: 13137, Stop: 13586, Start Num: 19
Candidate Starts for Marcell_17:
(Start: 19 @13137 has 208 MA's), (Start: 24 @13161 has 1 MA's), (70, 13473), (89, 13548),

Gene: Marchy_16 Start: 12467, Stop: 12916, Start Num: 19
Candidate Starts for Marchy_16:
(Start: 19 @12467 has 208 MA's), (Start: 24 @12491 has 1 MA's), (70, 12803), (89, 12878),

Gene: Marco3_17 Start: 13112, Stop: 13561, Start Num: 19
Candidate Starts for Marco3_17:
(Start: 19 @13112 has 208 MA's), (Start: 24 @13136 has 1 MA's), (70, 13448), (89, 13523),

Gene: Marge_18 Start: 13363, Stop: 13812, Start Num: 19
Candidate Starts for Marge_18:
(Start: 19 @13363 has 208 MA's), (Start: 24 @13387 has 1 MA's), (70, 13699), (89, 13774),

Gene: Maroc7_16 Start: 12649, Stop: 13098, Start Num: 19
Candidate Starts for Maroc7_16:
(Start: 19 @12649 has 208 MA's), (Start: 24 @12673 has 1 MA's), (70, 12985), (89, 13060),

Gene: Marsha_17 Start: 13405, Stop: 13854, Start Num: 19
Candidate Starts for Marsha_17:
(Start: 19 @13405 has 208 MA's), (Start: 24 @13429 has 1 MA's), (70, 13741), (89, 13816),

Gene: MaryBeth_17 Start: 13071, Stop: 13520, Start Num: 19
Candidate Starts for MaryBeth_17:

(Start: 19 @13071 has 208 MA's), (Start: 24 @13095 has 1 MA's), (70, 13407), (89, 13482),

Gene: Maureen_7 Start: 6336, Stop: 6731, Start Num: 13

Candidate Starts for Maureen_7:

(Start: 13 @6336 has 83 MA's), (48, 6528), (63, 6657),

Gene: McGuire_18 Start: 12958, Stop: 13407, Start Num: 19

Candidate Starts for McGuire_18:

(Start: 19 @12958 has 208 MA's), (Start: 24 @12982 has 1 MA's), (70, 13294), (89, 13369),

Gene: McSinger_18 Start: 13332, Stop: 13781, Start Num: 19

Candidate Starts for McSinger_18:

(Start: 19 @13332 has 208 MA's), (Start: 24 @13356 has 1 MA's), (70, 13668), (89, 13743),

Gene: MetalQZJ_17 Start: 13071, Stop: 13520, Start Num: 19

Candidate Starts for MetalQZJ_17:

(Start: 19 @13071 has 208 MA's), (Start: 24 @13095 has 1 MA's), (70, 13407), (89, 13482),

Gene: Michley_17 Start: 12818, Stop: 13267, Start Num: 19

Candidate Starts for Michley_17:

(Start: 19 @12818 has 208 MA's), (Start: 24 @12842 has 1 MA's), (70, 13154), (89, 13229),

Gene: MilleFeuille_14 Start: 12395, Stop: 12844, Start Num: 19

Candidate Starts for MilleFeuille_14:

(Start: 19 @12395 has 208 MA's), (Start: 24 @12419 has 1 MA's), (70, 12731), (89, 12806),

Gene: MiniMommy_7 Start: 6172, Stop: 6573, Start Num: 13

Candidate Starts for MiniMommy_7:

(Start: 13 @6172 has 83 MA's), (52, 6409),

Gene: MissSwiss_8 Start: 7857, Stop: 8261, Start Num: 13

Candidate Starts for MissSwiss_8:

(Start: 13 @7857 has 83 MA's), (37, 7992), (44, 8037), (48, 8049),

Gene: Mkhuseleli_18 Start: 12972, Stop: 13421, Start Num: 19

Candidate Starts for Mkhuseleli_18:

(Start: 19 @12972 has 208 MA's), (Start: 24 @12996 has 1 MA's), (70, 13308), (89, 13383),

Gene: Molly_18 Start: 12679, Stop: 13128, Start Num: 19

Candidate Starts for Molly_18:

(Start: 19 @12679 has 208 MA's), (Start: 24 @12703 has 1 MA's), (70, 13015), (89, 13090),

Gene: Monet_19 Start: 14174, Stop: 14623, Start Num: 19

Candidate Starts for Monet_19:

(Start: 19 @14174 has 208 MA's), (Start: 24 @14198 has 1 MA's), (70, 14510), (89, 14585),

Gene: Moose_16 Start: 12915, Stop: 13364, Start Num: 19

Candidate Starts for Moose_16:

(Start: 19 @12915 has 208 MA's), (Start: 24 @12939 has 1 MA's), (70, 13251), (89, 13326),

Gene: Moss_8 Start: 7343, Stop: 7810, Start Num: 13

Candidate Starts for Moss_8:

(2, 7292), (Start: 13 @7343 has 83 MA's), (46, 7535), (55, 7616),

Gene: MrGordo_17 Start: 12631, Stop: 13080, Start Num: 19

Candidate Starts for MrGordo_17:

(Start: 19 @12631 has 208 MA's), (Start: 24 @12655 has 1 MA's), (70, 12967), (89, 13042),

Gene: Mryolo_16 Start: 12665, Stop: 13114, Start Num: 19

Candidate Starts for Mryolo_16:

(Start: 19 @12665 has 208 MA's), (Start: 24 @12689 has 1 MA's), (70, 13001), (89, 13076),

Gene: Mudpuppy_8 Start: 7842, Stop: 8249, Start Num: 13

Candidate Starts for Mudpuppy_8:

(Start: 13 @7842 has 83 MA's), (48, 8034),

Gene: Mule_17 Start: 12953, Stop: 13402, Start Num: 19

Candidate Starts for Mule_17:

(Start: 19 @12953 has 208 MA's), (Start: 24 @12977 has 1 MA's), (70, 13289), (89, 13364),

Gene: Museum_19 Start: 12972, Stop: 13421, Start Num: 19

Candidate Starts for Museum_19:

(Start: 19 @12972 has 208 MA's), (Start: 24 @12996 has 1 MA's), (70, 13308), (89, 13383),

Gene: Mysterium_8 Start: 7344, Stop: 7811, Start Num: 13

Candidate Starts for Mysterium_8:

(2, 7293), (Start: 13 @7344 has 83 MA's), (46, 7536), (55, 7617),

Gene: NEHalo_17 Start: 12701, Stop: 13150, Start Num: 19

Candidate Starts for NEHalo_17:

(Start: 19 @12701 has 208 MA's), (Start: 24 @12725 has 1 MA's), (70, 13037), (89, 13112),

Gene: Nabi_11 Start: 8361, Stop: 8804, Start Num: 18

Candidate Starts for Nabi_11:

(Start: 6 @8304 has 1 MA's), (Start: 18 @8361 has 106 MA's), (51, 8544), (87, 8748),

Gene: Naira_18 Start: 14453, Stop: 14902, Start Num: 19

Candidate Starts for Naira_18:

(Start: 19 @14453 has 208 MA's), (Start: 24 @14477 has 1 MA's), (70, 14789), (89, 14864),

Gene: Nanodon_13 Start: 8557, Stop: 9006, Start Num: 18

Candidate Starts for Nanodon_13:

(Start: 18 @8557 has 106 MA's), (51, 8746),

Gene: Nanosmite_23 Start: 11785, Stop: 12267, Start Num: 16

Candidate Starts for Nanosmite_23:

(14, 11779), (Start: 16 @11785 has 16 MA's), (20, 11806), (27, 11836), (45, 11965), (83, 12193),

Gene: Nerdos_11 Start: 8395, Stop: 8847, Start Num: 18

Candidate Starts for Nerdos_11:

(10, 8356), (Start: 18 @8395 has 106 MA's), (51, 8587), (73, 8743),

Gene: Nerujay_18 Start: 13377, Stop: 13826, Start Num: 19

Candidate Starts for Nerujay_18:

(Start: 19 @13377 has 208 MA's), (Start: 24 @13401 has 1 MA's), (70, 13713), (89, 13788),

Gene: Nhonho_17 Start: 13130, Stop: 13579, Start Num: 19
Candidate Starts for Nhonho_17:
(Start: 19 @13130 has 208 MA's), (Start: 24 @13154 has 1 MA's), (70, 13466), (89, 13541),

Gene: Niobe_8 Start: 7827, Stop: 8234, Start Num: 13
Candidate Starts for Niobe_8:
(Start: 13 @7827 has 83 MA's), (47, 8016), (48, 8019), (50, 8025), (52, 8064),

Gene: Nishikigoi_11 Start: 8160, Stop: 8636, Start Num: 18
Candidate Starts for Nishikigoi_11:
(Start: 18 @8160 has 106 MA's), (45, 8322), (51, 8358),

Gene: Nitro_8 Start: 7844, Stop: 8251, Start Num: 13
Candidate Starts for Nitro_8:
(Start: 13 @7844 has 83 MA's), (48, 8036), (52, 8081),

Gene: Niza_19 Start: 13988, Stop: 14437, Start Num: 19
Candidate Starts for Niza_19:
(Start: 19 @13988 has 208 MA's), (Start: 24 @14012 has 1 MA's), (70, 14324), (89, 14399),

Gene: Norz_19 Start: 13624, Stop: 14073, Start Num: 19
Candidate Starts for Norz_19:
(Start: 19 @13624 has 208 MA's), (Start: 24 @13648 has 1 MA's), (89, 14035),

Gene: Noxious_18 Start: 13939, Stop: 14388, Start Num: 19
Candidate Starts for Noxious_18:
(Start: 19 @13939 has 208 MA's), (Start: 24 @13963 has 1 MA's), (70, 14275), (89, 14350),

Gene: ObiToo_8 Start: 8041, Stop: 8436, Start Num: 13
Candidate Starts for ObiToo_8:
(Start: 13 @8041 has 83 MA's), (44, 8221), (48, 8233), (52, 8278),

Gene: Ohno789_17 Start: 12771, Stop: 13220, Start Num: 19
Candidate Starts for Ohno789_17:
(Start: 19 @12771 has 208 MA's), (Start: 24 @12795 has 1 MA's), (70, 13107), (89, 13182),

Gene: Oliynyk_12 Start: 8558, Stop: 9010, Start Num: 18
Candidate Starts for Oliynyk_12:
(10, 8519), (Start: 18 @8558 has 106 MA's), (51, 8750), (73, 8906),

Gene: Omar_12 Start: 8382, Stop: 8870, Start Num: 18
Candidate Starts for Omar_12:
(Start: 18 @8382 has 106 MA's), (45, 8544), (51, 8580), (60, 8667), (74, 8742), (90, 8811),

Gene: Oogway_16 Start: 12883, Stop: 13332, Start Num: 19
Candidate Starts for Oogway_16:
(Start: 19 @12883 has 208 MA's), (70, 13219), (89, 13294),

Gene: Origami_7 Start: 6168, Stop: 6569, Start Num: 13
Candidate Starts for Origami_7:
(Start: 13 @6168 has 83 MA's), (48, 6360), (52, 6405),

Gene: Ozzie_11 Start: 8375, Stop: 8827, Start Num: 18

Candidate Starts for Ozzie_11:

(10, 8336), (Start: 18 @8375 has 106 MA's), (51, 8567), (73, 8723),

Gene: OzzyJ_12 Start: 8358, Stop: 8807, Start Num: 18

Candidate Starts for OzzyJ_12:

(Start: 6 @8301 has 1 MA's), (Start: 18 @8358 has 106 MA's), (51, 8547), (87, 8751),

Gene: PSullivan_19 Start: 13381, Stop: 13830, Start Num: 19

Candidate Starts for PSullivan_19:

(Start: 19 @13381 has 208 MA's), (Start: 24 @13405 has 1 MA's), (70, 13717), (89, 13792),

Gene: Pablito_11 Start: 8226, Stop: 8696, Start Num: 18

Candidate Starts for Pablito_11:

(Start: 5 @8163 has 1 MA's), (8, 8178), (Start: 18 @8226 has 106 MA's), (51, 8424), (60, 8511), (65, 8538), (74, 8586),

Gene: PacerPaul_17 Start: 13148, Stop: 13597, Start Num: 19

Candidate Starts for PacerPaul_17:

(Start: 19 @13148 has 208 MA's), (70, 13484), (89, 13559),

Gene: Paedore_11 Start: 8254, Stop: 8751, Start Num: 18

Candidate Starts for Paedore_11:

(Start: 18 @8254 has 106 MA's), (48, 8425), (51, 8452), (65, 8566), (73, 8608), (74, 8614), (95, 8737),

Gene: Paolo_13 Start: 8769, Stop: 9245, Start Num: 18

Candidate Starts for Paolo_13:

(Start: 5 @8706 has 1 MA's), (8, 8721), (Start: 18 @8769 has 106 MA's), (38, 8889), (51, 8967), (79, 9159), (95, 9231),

Gene: Papez_19 Start: 14600, Stop: 15049, Start Num: 19

Candidate Starts for Papez_19:

(Start: 19 @14600 has 208 MA's), (Start: 24 @14624 has 1 MA's), (70, 14936), (89, 15011),

Gene: Paphu_16 Start: 12337, Stop: 12786, Start Num: 19

Candidate Starts for Paphu_16:

(Start: 19 @12337 has 208 MA's), (Start: 24 @12361 has 1 MA's), (70, 12673), (89, 12748),

Gene: Paraselene_16 Start: 12653, Stop: 13102, Start Num: 19

Candidate Starts for Paraselene_16:

(Start: 19 @12653 has 208 MA's), (Start: 24 @12677 has 1 MA's), (70, 12989), (89, 13064),

Gene: Pari_18 Start: 13128, Stop: 13577, Start Num: 19

Candidate Starts for Pari_18:

(Start: 19 @13128 has 208 MA's), (Start: 24 @13152 has 1 MA's), (70, 13464), (89, 13539),

Gene: Parliament_16 Start: 13017, Stop: 13466, Start Num: 19

Candidate Starts for Parliament_16:

(Start: 19 @13017 has 208 MA's), (Start: 24 @13041 has 1 MA's), (70, 13353), (89, 13428),

Gene: PascalRango_16 Start: 12572, Stop: 13021, Start Num: 19

Candidate Starts for PascalRango_16:

(Start: 19 @12572 has 208 MA's), (70, 12908), (89, 12983),

Gene: PattyP_19 Start: 13181, Stop: 13630, Start Num: 19
Candidate Starts for PattyP_19:
(Start: 19 @13181 has 208 MA's), (Start: 24 @13205 has 1 MA's), (70, 13517), (89, 13592),

Gene: Pavo_12 Start: 8437, Stop: 8898, Start Num: 18
Candidate Starts for Pavo_12:
(Start: 18 @8437 has 106 MA's), (23, 8452), (51, 8626), (73, 8782), (95, 8884),

Gene: Payneful_17 Start: 12467, Stop: 12916, Start Num: 19
Candidate Starts for Payneful_17:
(Start: 19 @12467 has 208 MA's), (Start: 24 @12491 has 1 MA's), (70, 12803), (89, 12878),

Gene: PegLeg_19 Start: 11030, Stop: 11512, Start Num: 16
Candidate Starts for PegLeg_19:
(Start: 16 @11030 has 16 MA's), (27, 11081), (45, 11210), (76, 11414), (83, 11438),

Gene: Pelly_18 Start: 13417, Stop: 13866, Start Num: 19
Candidate Starts for Pelly_18:
(Start: 19 @13417 has 208 MA's), (Start: 24 @13441 has 1 MA's), (70, 13753), (89, 13828),

Gene: Pepe_18 Start: 13372, Stop: 13821, Start Num: 19
Candidate Starts for Pepe_18:
(Start: 19 @13372 has 208 MA's), (Start: 24 @13396 has 1 MA's), (70, 13708), (89, 13783),

Gene: Percival_8 Start: 8037, Stop: 8525, Start Num: 13
Candidate Starts for Percival_8:
(Start: 13 @8037 has 83 MA's), (25, 8082), (48, 8232), (55, 8307), (61, 8352), (80, 8445),

Gene: Perseus_18 Start: 13036, Stop: 13485, Start Num: 19
Candidate Starts for Perseus_18:
(Start: 19 @13036 has 208 MA's), (Start: 24 @13060 has 1 MA's), (70, 13372), (89, 13447),

Gene: Peterson_20 Start: 14627, Stop: 15076, Start Num: 19
Candidate Starts for Peterson_20:
(Start: 19 @14627 has 208 MA's), (Start: 24 @14651 has 1 MA's), (70, 14963), (89, 15038),

Gene: Petp2012_19 Start: 13849, Stop: 14298, Start Num: 19
Candidate Starts for Petp2012_19:
(Start: 19 @13849 has 208 MA's), (Start: 24 @13873 has 1 MA's), (70, 14185), (89, 14260),

Gene: Petruccio_17 Start: 12878, Stop: 13327, Start Num: 19
Candidate Starts for Petruccio_17:
(Start: 19 @12878 has 208 MA's), (Start: 24 @12902 has 1 MA's), (70, 13214), (89, 13289),

Gene: PherrisBueller_18 Start: 12801, Stop: 13250, Start Num: 19
Candidate Starts for PherrisBueller_18:
(Start: 19 @12801 has 208 MA's), (Start: 24 @12825 has 1 MA's), (89, 13212),

Gene: Phettuccine_11 Start: 8395, Stop: 8847, Start Num: 18
Candidate Starts for Phettuccine_11:
(10, 8356), (Start: 18 @8395 has 106 MA's), (51, 8587), (73, 8743),

Gene: PhineBark_16 Start: 13692, Stop: 14141, Start Num: 19

Candidate Starts for PhineBark_16:

(Start: 19 @13692 has 208 MA's), (Start: 24 @13716 has 1 MA's), (70, 14028), (89, 14103),

Gene: Phives_9 Start: 8933, Stop: 9340, Start Num: 13

Candidate Starts for Phives_9:

(Start: 13 @8933 has 83 MA's), (37, 9068), (48, 9125), (52, 9170),

Gene: Phlippers_16 Start: 13872, Stop: 14321, Start Num: 19

Candidate Starts for Phlippers_16:

(Start: 19 @13872 has 208 MA's), (Start: 24 @13896 has 1 MA's), (70, 14208), (89, 14283),

Gene: PhrostyMug_17 Start: 12950, Stop: 13399, Start Num: 19

Candidate Starts for PhrostyMug_17:

(Start: 19 @12950 has 208 MA's), (Start: 24 @12974 has 1 MA's), (70, 13286), (89, 13361),

Gene: PinkPlastic_16 Start: 12715, Stop: 13164, Start Num: 19

Candidate Starts for PinkPlastic_16:

(Start: 19 @12715 has 208 MA's), (Start: 24 @12739 has 1 MA's), (70, 13051), (89, 13126),

Gene: Pinto_19 Start: 13032, Stop: 13481, Start Num: 19

Candidate Starts for Pinto_19:

(Start: 19 @13032 has 208 MA's), (Start: 24 @13056 has 1 MA's), (70, 13368), (89, 13443),

Gene: Pippin_19 Start: 13284, Stop: 13733, Start Num: 19

Candidate Starts for Pippin_19:

(Start: 19 @13284 has 208 MA's), (70, 13620), (89, 13695),

Gene: Pita2_19 Start: 13381, Stop: 13830, Start Num: 19

Candidate Starts for Pita2_19:

(Start: 19 @13381 has 208 MA's), (Start: 24 @13405 has 1 MA's), (70, 13717), (89, 13792),

Gene: Pixelle_8 Start: 7876, Stop: 8283, Start Num: 13

Candidate Starts for Pixelle_8:

(Start: 13 @7876 has 83 MA's), (37, 8011), (48, 8068), (52, 8113),

Gene: PowerRanger_17 Start: 13508, Stop: 13957, Start Num: 19

Candidate Starts for PowerRanger_17:

(Start: 19 @13508 has 208 MA's), (Start: 24 @13532 has 1 MA's), (70, 13844), (89, 13919),

Gene: Powerpuff_8 Start: 7893, Stop: 8300, Start Num: 13

Candidate Starts for Powerpuff_8:

(Start: 13 @7893 has 83 MA's), (48, 8085),

Gene: ProMouse_16 Start: 13357, Stop: 13806, Start Num: 19

Candidate Starts for ProMouse_16:

(Start: 19 @13357 has 208 MA's), (Start: 24 @13381 has 1 MA's), (70, 13693), (89, 13768),

Gene: Provolone_12 Start: 8167, Stop: 8628, Start Num: 18

Candidate Starts for Provolone_12:

(Start: 18 @8167 has 106 MA's), (23, 8182), (51, 8356), (73, 8512), (95, 8614),

Gene: Puginator_13 Start: 8715, Stop: 9191, Start Num: 18

Candidate Starts for Puginator_13:

(Start: 18 @8715 has 106 MA's), (38, 8835), (51, 8913), (95, 9177),

Gene: Pumpkins_8 Start: 7958, Stop: 8353, Start Num: 13

Candidate Starts for Pumpkins_8:

(Start: 13 @7958 has 83 MA's), (48, 8150), (52, 8195),

Gene: Puppet_17 Start: 12954, Stop: 13403, Start Num: 19

Candidate Starts for Puppet_17:

(Start: 19 @12954 has 208 MA's), (70, 13290), (89, 13365),

Gene: QTRlifeCrisis_17 Start: 13358, Stop: 13807, Start Num: 19

Candidate Starts for QTRlifeCrisis_17:

(Start: 19 @13358 has 208 MA's), (Start: 24 @13382 has 1 MA's), (70, 13694), (89, 13769),

Gene: R4_11 Start: 8225, Stop: 8722, Start Num: 18

Candidate Starts for R4_11:

(Start: 18 @8225 has 106 MA's), (48, 8396), (51, 8423), (65, 8537), (73, 8579), (74, 8585), (95, 8708),

Gene: Raid_18 Start: 12642, Stop: 13091, Start Num: 19

Candidate Starts for Raid_18:

(Start: 19 @12642 has 208 MA's), (Start: 24 @12666 has 1 MA's), (70, 12978), (89, 13053),

Gene: Rajelicia_17 Start: 13166, Stop: 13615, Start Num: 19

Candidate Starts for Rajelicia_17:

(Start: 19 @13166 has 208 MA's), (Start: 24 @13190 has 1 MA's), (70, 13502), (89, 13577),

Gene: Rana_11 Start: 8361, Stop: 8804, Start Num: 18

Candidate Starts for Rana_11:

(Start: 6 @8304 has 1 MA's), (Start: 18 @8361 has 106 MA's), (51, 8544), (87, 8748),

Gene: RedBear_13 Start: 8637, Stop: 9086, Start Num: 18

Candidate Starts for RedBear_13:

(Start: 6 @8580 has 1 MA's), (Start: 18 @8637 has 106 MA's), (51, 8826),

Gene: Reedo_8 Start: 7890, Stop: 8297, Start Num: 13

Candidate Starts for Reedo_8:

(Start: 13 @7890 has 83 MA's), (44, 8070),

Gene: Reindeer_17 Start: 10883, Stop: 11365, Start Num: 16

Candidate Starts for Reindeer_17:

(Start: 16 @10883 has 16 MA's), (27, 10934), (31, 10961), (39, 11024), (45, 11063), (76, 11267), (83, 11291),

Gene: Rhynn_17 Start: 12959, Stop: 13408, Start Num: 19

Candidate Starts for Rhynn_17:

(Start: 19 @12959 has 208 MA's), (Start: 24 @12983 has 1 MA's), (70, 13295), (89, 13370),

Gene: RidgeCB_17 Start: 12733, Stop: 13182, Start Num: 19

Candidate Starts for RidgeCB_17:

(Start: 19 @12733 has 208 MA's), (Start: 24 @12757 has 1 MA's), (70, 13069), (89, 13144),

Gene: Ringer_17 Start: 13217, Stop: 13666, Start Num: 19

Candidate Starts for Ringer_17:

(Start: 19 @13217 has 208 MA's), (Start: 24 @13241 has 1 MA's), (70, 13553), (89, 13628),

Gene: RockScotty_8 Start: 7343, Stop: 7810, Start Num: 13

Candidate Starts for RockScotty_8:

(2, 7292), (Start: 13 @7343 has 83 MA's), (46, 7535), (55, 7616),

Gene: Rohr_18 Start: 13156, Stop: 13605, Start Num: 19

Candidate Starts for Rohr_18:

(Start: 19 @13156 has 208 MA's), (Start: 24 @13180 has 1 MA's), (70, 13492), (89, 13567),

Gene: RoseMarie_19 Start: 11274, Stop: 11756, Start Num: 16

Candidate Starts for RoseMarie_19:

(Start: 16 @11274 has 16 MA's), (27, 11325), (31, 11352), (45, 11454), (76, 11658), (83, 11682),

Gene: Rubeus_18 Start: 12991, Stop: 13440, Start Num: 19

Candidate Starts for Rubeus_18:

(Start: 19 @12991 has 208 MA's), (Start: 24 @13015 has 1 MA's), (70, 13327), (89, 13402),

Gene: Rufus_18 Start: 13324, Stop: 13773, Start Num: 19

Candidate Starts for Rufus_18:

(Start: 19 @13324 has 208 MA's), (Start: 24 @13348 has 1 MA's), (70, 13660), (89, 13735),

Gene: Rusticus_12 Start: 8558, Stop: 9010, Start Num: 18

Candidate Starts for Rusticus_12:

(10, 8519), (Start: 18 @8558 has 106 MA's), (51, 8750), (73, 8906),

Gene: Rutherferd_19 Start: 13504, Stop: 13953, Start Num: 19

Candidate Starts for Rutherferd_19:

(Start: 19 @13504 has 208 MA's), (Start: 24 @13528 has 1 MA's), (70, 13840), (89, 13915),

Gene: STLscum_18 Start: 13367, Stop: 13816, Start Num: 19

Candidate Starts for STLscum_18:

(Start: 19 @13367 has 208 MA's), (Start: 24 @13391 has 1 MA's), (70, 13703), (89, 13778),

Gene: Sabourin_8 Start: 7252, Stop: 7719, Start Num: 13

Candidate Starts for Sabourin_8:

(2, 7201), (Start: 13 @7252 has 83 MA's), (46, 7444), (55, 7525), (62, 7576),

Gene: Saftant_11 Start: 8442, Stop: 8903, Start Num: 18

Candidate Starts for Saftant_11:

(Start: 18 @8442 has 106 MA's), (51, 8631), (73, 8787), (94, 8874), (95, 8889),

Gene: Sagefire_18 Start: 13764, Stop: 14213, Start Num: 19

Candidate Starts for Sagefire_18:

(Start: 19 @13764 has 208 MA's), (Start: 24 @13788 has 1 MA's), (70, 14100), (89, 14175),

Gene: Sandaddy_16 Start: 12879, Stop: 13328, Start Num: 19

Candidate Starts for Sandaddy_16:

(Start: 19 @12879 has 208 MA's), (Start: 24 @12903 has 1 MA's), (70, 13215), (89, 13290),

Gene: Sanya_16 Start: 13541, Stop: 13990, Start Num: 19

Candidate Starts for Sanya_16:

(Start: 19 @13541 has 208 MA's), (Start: 24 @13565 has 1 MA's), (70, 13877), (89, 13952),

Gene: SarFire_17 Start: 13033, Stop: 13482, Start Num: 19
Candidate Starts for SarFire_17:
(Start: 19 @13033 has 208 MA's), (Start: 24 @13057 has 1 MA's), (70, 13369), (89, 13444),

Gene: SarahRose_11 Start: 8364, Stop: 8813, Start Num: 18
Candidate Starts for SarahRose_11:
(Start: 18 @8364 has 106 MA's), (51, 8553), (87, 8757),

Gene: Schaffner_8 Start: 7952, Stop: 8347, Start Num: 13
Candidate Starts for Schaffner_8:
(Start: 13 @7952 has 83 MA's), (48, 8144), (52, 8189),

Gene: Scowl_18 Start: 13430, Stop: 13879, Start Num: 19
Candidate Starts for Scowl_18:
(Start: 19 @13430 has 208 MA's), (Start: 24 @13454 has 1 MA's), (89, 13841),

Gene: Seabiscuit_19 Start: 12965, Stop: 13414, Start Num: 19
Candidate Starts for Seabiscuit_19:
(Start: 19 @12965 has 208 MA's), (Start: 24 @12989 has 1 MA's), (70, 13301), (89, 13376),

Gene: Seanderson_18 Start: 13400, Stop: 13849, Start Num: 19
Candidate Starts for Seanderson_18:
(Start: 19 @13400 has 208 MA's), (Start: 24 @13424 has 1 MA's), (70, 13736), (89, 13811),

Gene: ShakeltOph_7 Start: 6172, Stop: 6573, Start Num: 13
Candidate Starts for ShakeltOph_7:
(Start: 13 @6172 has 83 MA's), (52, 6409),

Gene: ShortQueendom_16 Start: 12839, Stop: 13288, Start Num: 19
Candidate Starts for ShortQueendom_16:
(Start: 19 @12839 has 208 MA's), (Start: 24 @12863 has 1 MA's), (70, 13175), (89, 13250),

Gene: Sibs6_19 Start: 13476, Stop: 13925, Start Num: 19
Candidate Starts for Sibs6_19:
(Start: 19 @13476 has 208 MA's), (Start: 24 @13500 has 1 MA's), (70, 13812), (89, 13887),

Gene: Simpson_8 Start: 7843, Stop: 8250, Start Num: 13
Candidate Starts for Simpson_8:
(Start: 13 @7843 has 83 MA's), (48, 8035),

Gene: Skelbel_8 Start: 7827, Stop: 8234, Start Num: 13
Candidate Starts for Skelbel_8:
(Start: 13 @7827 has 83 MA's), (47, 8016), (48, 8019), (50, 8025), (52, 8064),

Gene: SkiPole_19 Start: 13053, Stop: 13502, Start Num: 19
Candidate Starts for SkiPole_19:
(Start: 19 @13053 has 208 MA's), (Start: 24 @13077 has 1 MA's), (70, 13389), (89, 13464),

Gene: Skinny_20 Start: 11031, Stop: 11513, Start Num: 16
Candidate Starts for Skinny_20:
(Start: 16 @11031 has 16 MA's), (27, 11082), (45, 11211), (76, 11415), (83, 11439),

Gene: Slagathor_18 Start: 12828, Stop: 13277, Start Num: 19
Candidate Starts for Slagathor_18:
(Start: 19 @12828 has 208 MA's), (Start: 24 @12852 has 1 MA's), (70, 13164), (89, 13239),

Gene: SlimJimmy_18 Start: 11030, Stop: 11512, Start Num: 16
Candidate Starts for SlimJimmy_18:
(Start: 16 @11030 has 16 MA's), (27, 11081), (45, 11210), (76, 11414), (83, 11438),

Gene: Smairt_18 Start: 13659, Stop: 14108, Start Num: 19
Candidate Starts for Smairt_18:
(Start: 19 @13659 has 208 MA's), (Start: 24 @13683 has 1 MA's), (70, 13995), (89, 14070),

Gene: Smeagol_19 Start: 14248, Stop: 14697, Start Num: 19
Candidate Starts for Smeagol_19:
(Start: 19 @14248 has 208 MA's), (Start: 24 @14272 has 1 MA's), (70, 14584), (89, 14659),

Gene: Snazzy_15 Start: 12348, Stop: 12797, Start Num: 19
Candidate Starts for Snazzy_15:
(Start: 19 @12348 has 208 MA's), (Start: 24 @12372 has 1 MA's), (70, 12684), (89, 12759),

Gene: Snek_8 Start: 6968, Stop: 7366, Start Num: 13
Candidate Starts for Snek_8:
(Start: 13 @6968 has 83 MA's),

Gene: Snorlax_11 Start: 8364, Stop: 8813, Start Num: 18
Candidate Starts for Snorlax_11:
(Start: 18 @8364 has 106 MA's), (51, 8553), (87, 8757),

Gene: Solon_17 Start: 13511, Stop: 13960, Start Num: 19
Candidate Starts for Solon_17:
(Start: 19 @13511 has 208 MA's), (Start: 24 @13535 has 1 MA's), (70, 13847),

Gene: Soondubu_8 Start: 7865, Stop: 8263, Start Num: 13
Candidate Starts for Soondubu_8:
(Start: 13 @7865 has 83 MA's), (44, 8045), (48, 8057),

Gene: Sooty_8 Start: 7253, Stop: 7720, Start Num: 13
Candidate Starts for Sooty_8:
(2, 7202), (Start: 13 @7253 has 83 MA's), (46, 7445), (55, 7526), (62, 7577),

Gene: Sorpresa_17 Start: 12879, Stop: 13328, Start Num: 19
Candidate Starts for Sorpresa_17:
(Start: 19 @12879 has 208 MA's), (Start: 24 @12903 has 1 MA's), (70, 13215), (89, 13290),

Gene: South40_12 Start: 8637, Stop: 9086, Start Num: 18
Candidate Starts for South40_12:
(Start: 6 @8580 has 1 MA's), (Start: 18 @8637 has 106 MA's), (51, 8826),

Gene: SpecialK_8 Start: 7250, Stop: 7717, Start Num: 13
Candidate Starts for SpecialK_8:
(2, 7199), (Start: 13 @7250 has 83 MA's), (46, 7442), (55, 7523),

Gene: Speedwell_16 Start: 10184, Stop: 10633, Start Num: 18

Candidate Starts for Speedwell_16:

(Start: 18 @10184 has 106 MA's), (30, 10247), (44, 10334), (51, 10373), (73, 10529), (94, 10610),

Gene: SpikeBT_19 Start: 13815, Stop: 14264, Start Num: 19

Candidate Starts for SpikeBT_19:

(Start: 19 @13815 has 208 MA's), (Start: 24 @13839 has 1 MA's), (70, 14151), (89, 14226),

Gene: SqueakyClean_12 Start: 8473, Stop: 8961, Start Num: 18

Candidate Starts for SqueakyClean_12:

(3, 8404), (Start: 18 @8473 has 106 MA's), (36, 8584), (41, 8614), (45, 8635), (51, 8671), (65, 8785), (73, 8827), (74, 8833), (90, 8902),

Gene: Squee_18 Start: 13649, Stop: 14098, Start Num: 19

Candidate Starts for Squee_18:

(Start: 19 @13649 has 208 MA's), (Start: 24 @13673 has 1 MA's), (70, 13985), (89, 14060),

Gene: StewieG_16 Start: 12723, Stop: 13172, Start Num: 19

Candidate Starts for StewieG_16:

(Start: 19 @12723 has 208 MA's), (Start: 24 @12747 has 1 MA's), (70, 13059), (89, 13134),

Gene: StrongArm_16 Start: 13900, Stop: 14349, Start Num: 19

Candidate Starts for StrongArm_16:

(Start: 19 @13900 has 208 MA's), (Start: 24 @13924 has 1 MA's), (70, 14236), (89, 14311),

Gene: Stuu_8 Start: 7343, Stop: 7810, Start Num: 13

Candidate Starts for Stuu_8:

(2, 7292), (Start: 13 @7343 has 83 MA's), (46, 7535), (55, 7616),

Gene: SuMoo_7 Start: 6373, Stop: 6852, Start Num: 13

Candidate Starts for SuMoo_7:

(Start: 13 @6373 has 83 MA's), (56, 6649), (91, 6844),

Gene: Subaru_8 Start: 7827, Stop: 8234, Start Num: 13

Candidate Starts for Subaru_8:

(Start: 13 @7827 has 83 MA's), (47, 8016), (48, 8019), (50, 8025), (52, 8064),

Gene: Sudan_12 Start: 8444, Stop: 8905, Start Num: 18

Candidate Starts for Sudan_12:

(Start: 18 @8444 has 106 MA's), (23, 8459), (51, 8633), (73, 8789), (95, 8891),

Gene: Sue2_8 Start: 7875, Stop: 8270, Start Num: 13

Candidate Starts for Sue2_8:

(Start: 13 @7875 has 83 MA's), (52, 8112),

Gene: Sujidade_12 Start: 8602, Stop: 9108, Start Num: 6

Candidate Starts for Sujidade_12:

(Start: 6 @8602 has 1 MA's), (Start: 18 @8659 has 106 MA's), (51, 8848), (73, 9004),

Gene: Sumter_16 Start: 12470, Stop: 12919, Start Num: 19

Candidate Starts for Sumter_16:

(Start: 19 @12470 has 208 MA's), (Start: 24 @12494 has 1 MA's), (70, 12806), (89, 12881),

Gene: SunsetPointe_11 Start: 8385, Stop: 8837, Start Num: 18

Candidate Starts for SunsetPointe_11:
(10, 8346), (Start: 18 @8385 has 106 MA's), (51, 8577), (73, 8733),

Gene: Sunshine924_16 Start: 12454, Stop: 12903, Start Num: 19
Candidate Starts for Sunshine924_16:
(Start: 19 @12454 has 208 MA's), (Start: 24 @12478 has 1 MA's), (70, 12790), (89, 12865),

Gene: SuperHands_9 Start: 8209, Stop: 8697, Start Num: 13
Candidate Starts for SuperHands_9:
(Start: 13 @8209 has 83 MA's), (25, 8254), (55, 8479), (61, 8524), (80, 8617),

Gene: Superstar_13 Start: 9291, Stop: 9767, Start Num: 18
Candidate Starts for Superstar_13:
(Start: 18 @9291 has 106 MA's), (51, 9489), (79, 9681), (95, 9753),

Gene: SwissCheese_17 Start: 12915, Stop: 13364, Start Num: 19
Candidate Starts for SwissCheese_17:
(Start: 19 @12915 has 208 MA's), (Start: 24 @12939 has 1 MA's), (70, 13251), (89, 13326),

Gene: Switzer_18 Start: 13071, Stop: 13520, Start Num: 19
Candidate Starts for Switzer_18:
(Start: 19 @13071 has 208 MA's), (Start: 24 @13095 has 1 MA's), (70, 13407), (89, 13482),

Gene: Swole_19 Start: 13381, Stop: 13830, Start Num: 19
Candidate Starts for Swole_19:
(Start: 19 @13381 has 208 MA's), (Start: 24 @13405 has 1 MA's), (70, 13717), (89, 13792),

Gene: TagePhighter_12 Start: 8364, Stop: 8813, Start Num: 18
Candidate Starts for TagePhighter_12:
(Start: 18 @8364 has 106 MA's), (51, 8553), (87, 8757),

Gene: Tallboi_8 Start: 7862, Stop: 8269, Start Num: 13
Candidate Starts for Tallboi_8:
(Start: 13 @7862 has 83 MA's), (48, 8054),

Gene: Tasp14_18 Start: 13160, Stop: 13609, Start Num: 19
Candidate Starts for Tasp14_18:
(Start: 19 @13160 has 208 MA's), (Start: 24 @13184 has 1 MA's), (70, 13496), (89, 13571),

Gene: Tbone_8 Start: 7839, Stop: 8246, Start Num: 13
Candidate Starts for Tbone_8:
(Start: 13 @7839 has 83 MA's), (48, 8031),

Gene: Tefunt_11 Start: 8160, Stop: 8636, Start Num: 18
Candidate Starts for Tefunt_11:
(Start: 18 @8160 has 106 MA's), (45, 8322), (51, 8358),

Gene: Teodoridan_15 Start: 12287, Stop: 12736, Start Num: 19
Candidate Starts for Teodoridan_15:
(Start: 19 @12287 has 208 MA's), (Start: 24 @12311 has 1 MA's), (70, 12623), (89, 12698),

Gene: TforTroy_8 Start: 7981, Stop: 8379, Start Num: 13
Candidate Starts for TforTroy_8:

(12, 7975), (Start: 13 @7981 has 83 MA's), (48, 8173), (52, 8218),

Gene: TheloniousMonk_19 Start: 14195, Stop: 14644, Start Num: 19

Candidate Starts for TheloniousMonk_19:

(Start: 19 @14195 has 208 MA's), (Start: 24 @14219 has 1 MA's), (70, 14531), (89, 14606),

Gene: Thestral_12 Start: 8238, Stop: 8711, Start Num: 18

Candidate Starts for Thestral_12:

(Start: 4 @8172 has 1 MA's), (7, 8187), (9, 8193), (Start: 13 @8217 has 83 MA's), (Start: 18 @8238 has 106 MA's), (37, 8352), (48, 8406), (51, 8433), (95, 8697),

Gene: Thor_17 Start: 13033, Stop: 13482, Start Num: 19

Candidate Starts for Thor_17:

(Start: 19 @13033 has 208 MA's), (Start: 24 @13057 has 1 MA's), (70, 13369), (89, 13444),

Gene: ThursdayNight_7 Start: 6385, Stop: 6780, Start Num: 13

Candidate Starts for ThursdayNight_7:

(Start: 13 @6385 has 83 MA's), (26, 6436), (46, 6571), (52, 6622),

Gene: Tian_8 Start: 7873, Stop: 8280, Start Num: 13

Candidate Starts for Tian_8:

(Start: 13 @7873 has 83 MA's), (48, 8065), (52, 8110),

Gene: TinaBelcher_11 Start: 8186, Stop: 8659, Start Num: 18

Candidate Starts for TinaBelcher_11:

(Start: 4 @8120 has 1 MA's), (7, 8135), (9, 8141), (Start: 13 @8165 has 83 MA's), (Start: 18 @8186 has 106 MA's), (37, 8300), (51, 8381), (95, 8645),

Gene: Toma_11 Start: 8367, Stop: 8816, Start Num: 18

Candidate Starts for Toma_11:

(Start: 6 @8310 has 1 MA's), (Start: 18 @8367 has 106 MA's), (51, 8556), (73, 8712),

Gene: Topgun_17 Start: 12635, Stop: 13084, Start Num: 19

Candidate Starts for Topgun_17:

(Start: 19 @12635 has 208 MA's), (70, 12971), (89, 13046),

Gene: Tote_19 Start: 13381, Stop: 13830, Start Num: 19

Candidate Starts for Tote_19:

(Start: 19 @13381 has 208 MA's), (Start: 24 @13405 has 1 MA's), (70, 13717), (89, 13792),

Gene: TpudiCK_20 Start: 11030, Stop: 11512, Start Num: 16

Candidate Starts for TpudiCK_20:

(Start: 16 @11030 has 16 MA's), (27, 11081), (45, 11210), (76, 11414), (83, 11438),

Gene: Traft412_19 Start: 13862, Stop: 14311, Start Num: 19

Candidate Starts for Traft412_19:

(Start: 19 @13862 has 208 MA's), (Start: 24 @13886 has 1 MA's), (70, 14198), (89, 14273),

Gene: Treddle_19 Start: 14175, Stop: 14624, Start Num: 19

Candidate Starts for Treddle_19:

(Start: 19 @14175 has 208 MA's), (Start: 24 @14199 has 1 MA's), (70, 14511), (89, 14586),

Gene: Tripl3t_18 Start: 13860, Stop: 14309, Start Num: 19

Candidate Starts for Trip13t_18:

(Start: 19 @13860 has 208 MA's), (Start: 24 @13884 has 1 MA's), (70, 14196), (89, 14271),

Gene: Triste_11 Start: 8358, Stop: 8807, Start Num: 18

Candidate Starts for Triste_11:

(Start: 6 @8301 has 1 MA's), (Start: 18 @8358 has 106 MA's), (51, 8547), (87, 8751),

Gene: Triumph_13 Start: 8256, Stop: 8726, Start Num: 18

Candidate Starts for Triumph_13:

(Start: 18 @8256 has 106 MA's), (51, 8454), (65, 8568), (79, 8646),

Gene: Trouble_17 Start: 13221, Stop: 13670, Start Num: 19

Candidate Starts for Trouble_17:

(Start: 19 @13221 has 208 MA's), (Start: 24 @13245 has 1 MA's), (70, 13557), (89, 13632),

Gene: TrvxScott_10 Start: 8121, Stop: 8660, Start Num: 4

Candidate Starts for TrvxScott_10:

(Start: 4 @8121 has 1 MA's), (7, 8136), (9, 8142), (Start: 13 @8166 has 83 MA's), (Start: 18 @8187 has 106 MA's), (37, 8301), (51, 8382), (95, 8646),

Gene: TuanPN_11 Start: 8367, Stop: 8816, Start Num: 18

Candidate Starts for TuanPN_11:

(Start: 6 @8310 has 1 MA's), (Start: 18 @8367 has 106 MA's), (51, 8556), (87, 8760),

Gene: Tuck_9 Start: 8887, Stop: 9315, Start Num: 13

Candidate Starts for Tuck_9:

(Start: 13 @8887 has 83 MA's), (48, 9079),

Gene: Turab_8 Start: 7857, Stop: 8264, Start Num: 13

Candidate Starts for Turab_8:

(Start: 13 @7857 has 83 MA's), (48, 8049), (52, 8094),

Gene: Turj99_16 Start: 12659, Stop: 13108, Start Num: 19

Candidate Starts for Turj99_16:

(Start: 19 @12659 has 208 MA's), (89, 13070),

Gene: Tutumahutu_8 Start: 7893, Stop: 8300, Start Num: 13

Candidate Starts for Tutumahutu_8:

(Start: 13 @7893 has 83 MA's), (48, 8085),

Gene: Tweety19_8 Start: 6967, Stop: 7365, Start Num: 13

Candidate Starts for Tweety19_8:

(Start: 13 @6967 has 83 MA's),

Gene: TwoPeat_18 Start: 13174, Stop: 13623, Start Num: 19

Candidate Starts for TwoPeat_18:

(Start: 19 @13174 has 208 MA's), (Start: 24 @13198 has 1 MA's), (70, 13510), (89, 13585),

Gene: TyDawg_19 Start: 11031, Stop: 11513, Start Num: 16

Candidate Starts for TyDawg_19:

(Start: 16 @11031 has 16 MA's), (27, 11082), (45, 11211), (76, 11415), (83, 11439),

Gene: U2_17 Start: 13077, Stop: 13526, Start Num: 19

Candidate Starts for U2_17:

(Start: 19 @13077 has 208 MA's), (Start: 24 @13101 has 1 MA's), (70, 13413), (89, 13488),

Gene: Unstoppable_11 Start: 8386, Stop: 8838, Start Num: 18

Candidate Starts for Unstoppable_11:

(10, 8347), (Start: 18 @8386 has 106 MA's), (51, 8578), (73, 8734),

Gene: Urza_11 Start: 8599, Stop: 9084, Start Num: 18

Candidate Starts for Urza_11:

(Start: 18 @8599 has 106 MA's), (45, 8752), (51, 8788), (60, 8875),

Gene: UtzChips_7 Start: 7094, Stop: 7573, Start Num: 13

Candidate Starts for UtzChips_7:

(12, 7088), (Start: 13 @7094 has 83 MA's), (91, 7565),

Gene: VResidence_8 Start: 7916, Stop: 8323, Start Num: 13

Candidate Starts for VResidence_8:

(Start: 13 @7916 has 83 MA's), (48, 8108),

Gene: Vanseggelen_14 Start: 8092, Stop: 8553, Start Num: 18

Candidate Starts for Vanseggelen_14:

(Start: 18 @8092 has 106 MA's), (23, 8107), (51, 8281), (73, 8437), (95, 8539),

Gene: Verabelle_12 Start: 8442, Stop: 8903, Start Num: 18

Candidate Starts for Verabelle_12:

(Start: 18 @8442 has 106 MA's), (23, 8457), (34, 8526), (51, 8631), (71, 8781), (94, 8874), (95, 8889),

Gene: Verse_11 Start: 8560, Stop: 9018, Start Num: 18

Candidate Starts for Verse_11:

(Start: 18 @8560 has 106 MA's), (30, 8623), (44, 8710), (51, 8749), (73, 8905), (94, 8989), (96, 9013),

Gene: VieEnRose_11 Start: 8669, Stop: 9154, Start Num: 18

Candidate Starts for VieEnRose_11:

(Start: 18 @8669 has 106 MA's), (23, 8684), (45, 8822), (51, 8858), (60, 8945),

Gene: Violet_16 Start: 13466, Stop: 13915, Start Num: 19

Candidate Starts for Violet_16:

(Start: 19 @13466 has 208 MA's), (70, 13802), (89, 13877),

Gene: VroomVroom_7 Start: 6184, Stop: 6585, Start Num: 13

Candidate Starts for VroomVroom_7:

(Start: 13 @6184 has 83 MA's), (52, 6421),

Gene: Warda_8 Start: 7839, Stop: 8246, Start Num: 13

Candidate Starts for Warda_8:

(Start: 13 @7839 has 83 MA's), (48, 8031),

Gene: Watermelon_19 Start: 13772, Stop: 14221, Start Num: 19

Candidate Starts for Watermelon_19:

(Start: 19 @13772 has 208 MA's), (Start: 24 @13796 has 1 MA's), (70, 14108), (89, 14183),

Gene: Werner_11 Start: 8365, Stop: 8814, Start Num: 18

Candidate Starts for Werner_11:

(Start: 18 @8365 has 106 MA's), (51, 8554), (87, 8758),

Gene: Whatever_11 Start: 8365, Stop: 8814, Start Num: 18

Candidate Starts for Whatever_11:

(Start: 18 @8365 has 106 MA's), (51, 8554), (87, 8758),

Gene: Wheeler_17 Start: 13227, Stop: 13676, Start Num: 19

Candidate Starts for Wheeler_17:

(Start: 19 @13227 has 208 MA's), (Start: 24 @13251 has 1 MA's), (70, 13563), (89, 13638),

Gene: Wildwest_9 Start: 8762, Stop: 9178, Start Num: 13

Candidate Starts for Wildwest_9:

(Start: 13 @8762 has 83 MA's), (48, 8954), (55, 9029),

Gene: Wilkins_17 Start: 12635, Stop: 13084, Start Num: 19

Candidate Starts for Wilkins_17:

(Start: 19 @12635 has 208 MA's), (70, 12971), (89, 13046),

Gene: Yang_8 Start: 7957, Stop: 8352, Start Num: 13

Candidate Starts for Yang_8:

(Start: 13 @7957 has 83 MA's), (48, 8149), (52, 8194),

Gene: Yasdnil_11 Start: 8363, Stop: 8812, Start Num: 18

Candidate Starts for Yasdnil_11:

(Start: 6 @8306 has 1 MA's), (Start: 18 @8363 has 106 MA's), (51, 8552), (87, 8756),

Gene: YesChef_8 Start: 7893, Stop: 8300, Start Num: 13

Candidate Starts for YesChef_8:

(Start: 13 @7893 has 83 MA's), (48, 8085),

Gene: Yosif_12 Start: 8821, Stop: 9279, Start Num: 18

Candidate Starts for Yosif_12:

(Start: 18 @8821 has 106 MA's), (45, 8974), (51, 9010), (55, 9058), (73, 9166), (94, 9250), (95, 9265),

Gene: Zainub_13 Start: 8727, Stop: 9203, Start Num: 18

Candidate Starts for Zainub_13:

(Start: 5 @8664 has 1 MA's), (8, 8679), (Start: 18 @8727 has 106 MA's), (38, 8847), (51, 8925), (79, 9117), (95, 9189),

Gene: ZamZam_14 Start: 8459, Stop: 8908, Start Num: 18

Candidate Starts for ZamZam_14:

(Start: 18 @8459 has 106 MA's), (27, 8495), (30, 8522), (44, 8609), (51, 8648), (73, 8804), (94, 8885),

Gene: Zeeculate_16 Start: 12913, Stop: 13362, Start Num: 19

Candidate Starts for Zeeculate_16:

(Start: 19 @12913 has 208 MA's), (Start: 24 @12937 has 1 MA's), (70, 13249), (89, 13324),

Gene: Zemlya_12 Start: 8375, Stop: 8824, Start Num: 18

Candidate Starts for Zemlya_12:

(Start: 6 @8318 has 1 MA's), (Start: 18 @8375 has 106 MA's), (44, 8525), (45, 8528), (51, 8564),

Gene: Zephyr_17 Start: 13005, Stop: 13454, Start Num: 19

Candidate Starts for Zephyr_17:

(Start: 19 @13005 has 208 MA's), (Start: 24 @13029 has 1 MA's), (70, 13341), (89, 13416),

Gene: Zeta1847_7 Start: 6205, Stop: 6684, Start Num: 13

Candidate Starts for Zeta1847_7:

(Start: 13 @6205 has 83 MA's), (22, 6235), (92, 6679),

Gene: Zeuska_18 Start: 13447, Stop: 13896, Start Num: 19

Candidate Starts for Zeuska_18:

(Start: 19 @13447 has 208 MA's), (Start: 24 @13471 has 1 MA's), (70, 13783), (89, 13858),

Gene: phiCAM_12 Start: 10223, Stop: 10681, Start Num: 18

Candidate Starts for phiCAM_12:

(Start: 18 @10223 has 106 MA's), (23, 10238), (51, 10412), (55, 10460), (73, 10568), (94, 10652), (96, 10676),

Gene: phiHau3_13 Start: 8427, Stop: 8894, Start Num: 18

Candidate Starts for phiHau3_13:

(Start: 18 @8427 has 106 MA's), (44, 8577), (45, 8580), (51, 8616), (60, 8703), (77, 8796), (83, 8814), (87, 8823), (95, 8880),