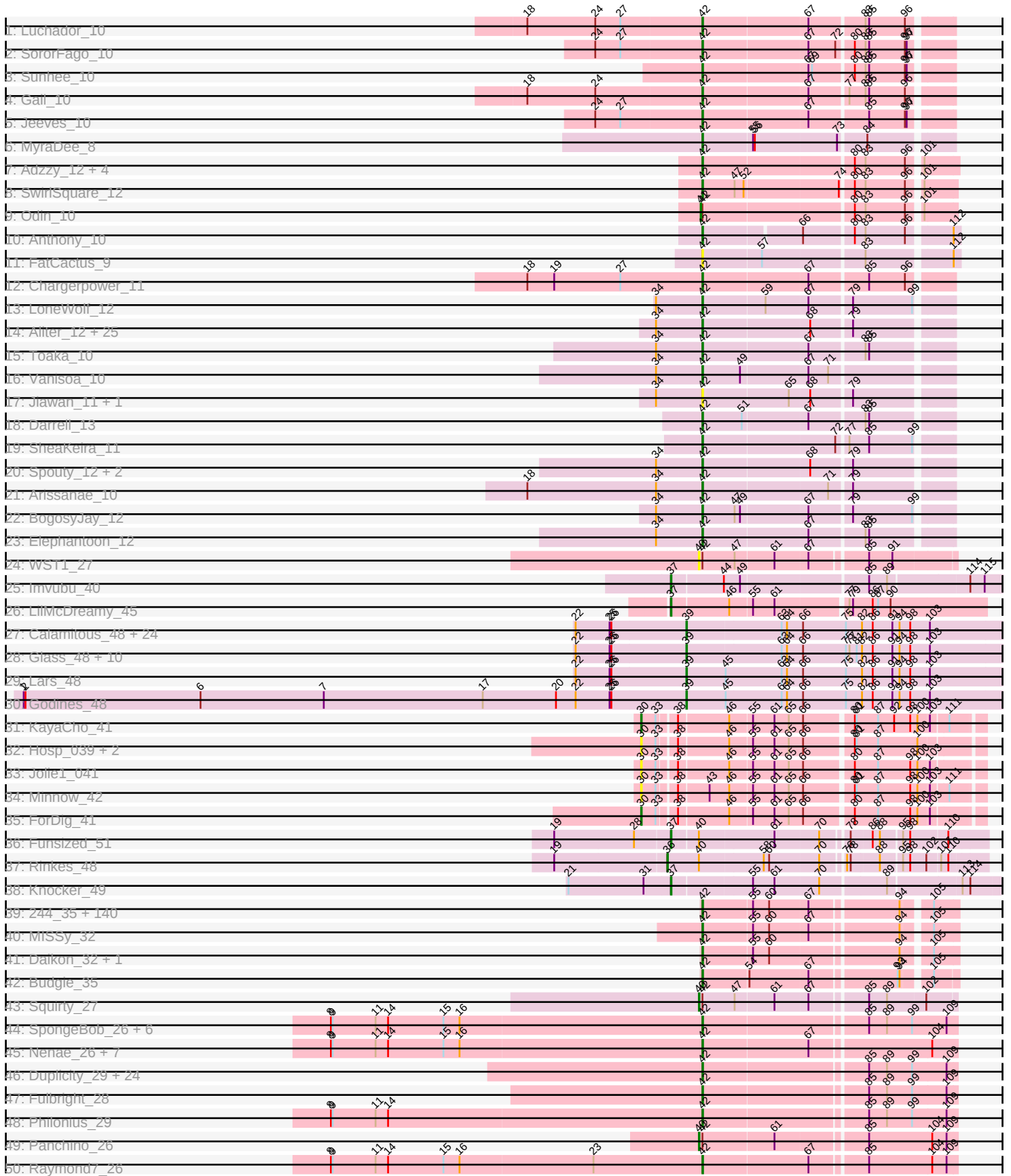
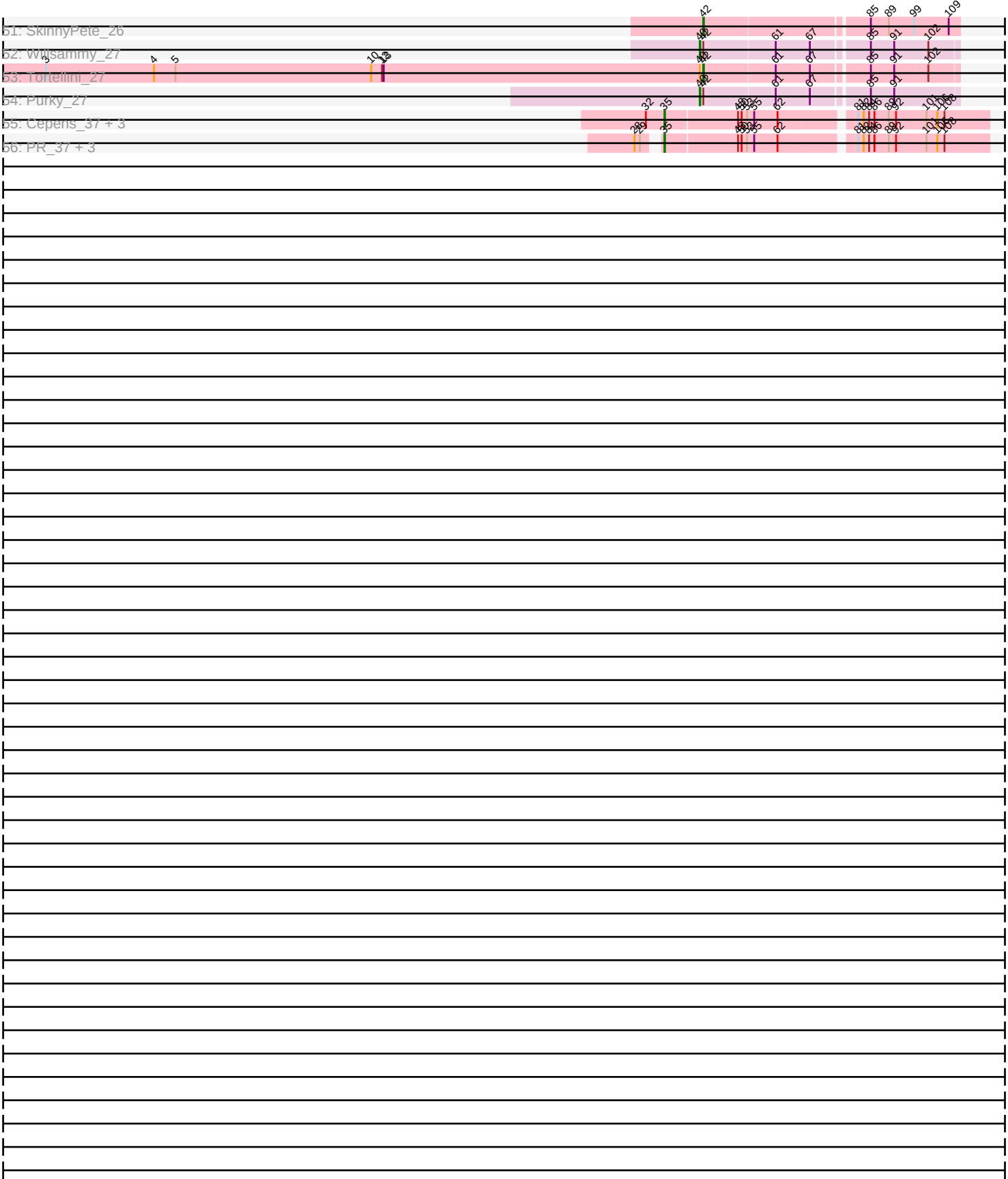


Pham 330400



Pham 330400



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 330400 Report

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

Pham number 330400 has 308 members, 31 are drafts.

Phages represented in each track:

- Track 1 : Luchador_10
- Track 2 : SororFago_10
- Track 3 : Sunhee_10
- Track 4 : Gail_10
- Track 5 : Jeeves_10
- Track 6 : MyraDee_8
- Track 7 : Adzzy_12, Che12_12, Superchunk_10, Ph8s_12, Caraxes_10
- Track 8 : SwirlSquare_12
- Track 9 : Odin_10
- Track 10 : Anthony_10
- Track 11 : FatCactus_9
- Track 12 : Chargerpower_11
- Track 13 : LoneWolf_12
- Track 14 : Aliter_12, Ayanochan_12, Hanray_11, EdogawaKiddo_10, Onglai_11, Scherzo_12, HortumSL17_12, Qobbit_12, Alma_12, Conquerage_12, Fayely_12, Ugenie5_9, Phonnegut_12, ExplosioNervosa_12, Tubs_12, EmyBug_12, Pioneer_12, Phaeder_12, Beemo_12, RyeScarlet_13, Maminiaina_12, Lilleskat_10, Myxus_12, Catalina_12, Sachima_10, PackMan_12
- Track 15 : Toaka_10
- Track 16 : Vanisoa_10
- Track 17 : Jiawan_11, Halex_11
- Track 18 : Darrell_13
- Track 19 : SheaKeira_11
- Track 20 : Spouty_12, Priya_12, Eidsmoe_12
- Track 21 : Arissanae_10
- Track 22 : BogosyJay_12
- Track 23 : Elephantoon_12
- Track 24 : WST1_27
- Track 25 : Imvubu_40
- Track 26 : LilMcDreamy_45
- Track 27 : Calamitous_48, Lephleur_48, MasterPo_48, FrenchFry_48, ItsyBitsy1_48, Bananafish_48, Coffee_48, West99_48, Blocker23_48, Kheth_48, LizLemon_48, Vic9_00047, Holeinone_48, Phantasmagoria_48, Sabella_47, Faze9_47, PrinceCharming_48, TA17A_49, Rhinoforte_48, Boyle_48, Allegro_48, Kolhan_48, Opia_48, Laurie_47, Tres_48
- Track 28 : Glass_48, Tinciduntolum_49, Hedgerow_48, Kaleb_48, Arbiter_47, LilSmirk_48, Qyrzula_45, Ares_48, Brownie5_48, Eaglehorse_48, Rosebush_47

- Track 29 : Lars_48
- Track 30 : Godines_48
- Track 31 : KayaCho_41
- Track 32 : Hosp_039, 40BC_041, 39HC_041
- Track 33 : Jolie1_041
- Track 34 : Minnow_42
- Track 35 : ForDig_41
- Track 36 : Funsized_51
- Track 37 : Rinkes_48
- Track 38 : Knocker_49
- Track 39 : 244_35, CrystalP_33, Stark_34, Phrux_33, Gemini_36, IHOP_33, PhatBacter_33, ChotaBhai_33, Elite2014_32, BugsBunny_31, Cjw1_33, Harella_32, Maxxinista_34, Elph10_34, Misfit_33, Icee_32, Moldemort_34, Emmina_34, BaboJay_32, Tomaszewski_32, Goku_33, Eureka_33, Gage_35, BadStone_32, StormChicken_33, Buck_32, Manda_34, Saints25_34, Mosby_32, HufflyPuff_32, Livelaughbron_34, ChosenOne_33, Highbury_34, Asriel_32, HanKaySha_34, Petra64142_35, Amao_33, Lilpickle_32, Miniwave_33, Phaja_33, OrionPax_34, Ukulele_33, Balomoji_32, Bask21_33, Kostya_34, FireRed_33, Bruin_33, ABCat_32, Argent26_35, Wiggin_36, Xandras_35, Willez_32, Nimrod_33, MollyToe_33, GooberAzure_35, Quallification_34, GoldenSpark_35, Rakim_34, Paperbeatsrock_35, Easy2Say_35, StolenFromERC_35, Contagion_32, NonchalantPear_33, MPhalcon_32, Holt_34, Tuco_34, StellaBean_33, Palpatine_33, MadamMonkfish_33, Dumbo_33, Traaww1_31, Kimchi_35, JeTaime_35, Glexan_31, BilboSwaggins_33, Nala_33, Mindy_33, Hoonter_35, Stank_36, FairyPath_33, Flypotenuse_31, Myrale_33, Lilac_35, ShereKhan_35, TeamEdward_33, Bogg_33, Marshmallow_33, Becksu_33, ShamWow_33, Cookies_33, Porky_33, YassJohnny_34, Rimmer_32, DoctorDiddles_33, Sotrice96_33, Henry_34, Teaspoon_34, Pumpkin_35, Adnama_36, PaddyBaddy_34, DrDrey_34, FoghornLeghorn_32, xkcd_34, NoSleep_34, Pharsalus_34, Cactus_34, Kanye_35, SirDuracell_32, Youngblood_33, Czyszczo1_34, Tarkin_35, RiverMonster_33, Policronamos_33, BigBubba_34, TeardropMSU_32, Ptowny_34, Thresher_34, Lilizi_35, Simpliphy_34, Thimble_33, Phaux_32, Hopey_35, AmericanBeauty_35, Terminus_33, Inca_32, Toto_33, Sassay_32, Goldilocks_34, Barbarian_32, Pat3_32, Murica_32, Greep_34, Brewer_33, Dusk_32, Bench_35, TBrady12_35, SophKB_33, Murphy_34, Command613_34, Filch_34, Gator_31
- Track 40 : MISSy_32
- Track 41 : Daikon_32, NelitzaMV_33
- Track 42 : Budgie_35
- Track 43 : Squirty_27
- Track 44 : SpongeBob_26, Snekmaggedon_26, Andies_26, Shweta_26, MichelleMyBell_27, Jamie19_26, Rebel_26
- Track 45 : Nенаe_26, BabeRuth_26, PhancyPhin_26, Hanako_26, Spinach_26, ShrimpFriedEgg_26, Redi_26, Purgamenstris_26
- Track 46 : Duplicity_29, Xerxes_29, Cubone_29, Silvafighter_29, Charlie_29, Journey_29, Parmesanjohn_29, Tapioca_29, Smurph_29, Tortoise12_29, Pipsqueaks_29, Gex_29, Bosection6_29, Tessdabest_28, Carcharodon_29, Aggie_29, EGUnicorn_29, Scitech_26, Chewbacca_29, Xeno_28, Melville_29, Schnauzer_29, Magsby_29, Phloss_26, Silvy_29
- Track 47 : Fulbright_28
- Track 48 : Philonius_29
- Track 49 : Panchino_26
- Track 50 : Raymond7_26
- Track 51 : SkinnyPete_26

- Track 52 : Willsammy_27
- Track 53 : Tortellini_27
- Track 54 : Purky_27
- Track 55 : Cepens_37, Argie_38, GodPhather_38, Jeon_37
- Track 56 : PR_37, D12_36, Taptic_37, Megabear_37

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

The start number called the most often in the published annotations is 42, it was called in 220 of the 277 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_35, ABCat_32, Adnama_36, Adzzy_12, Aggie_29, Aliter_12, Alma_12, Amao_33, AmericanBeauty_35, Andies_26, Anthony_10, Argent26_35, Arissanae_10, Asriel_32, Ayanochan_12, BabeRuth_26, BaboJay_32, BadStone_32, Balomoji_32, Barbarian_32, Bask21_33, Becksu_33, Beemo_12, Bench_35, BigBubba_34, BilboSwaggins_33, Bogg_33, BogosyJay_12, Bosection6_29, Brewer_33, Bruin_33, Buck_32, Budgie_35, BugsBunny_31, Cactus_34, Caraxes_10, Carcharodon_29, Catalina_12, Chargerpower_11, Charlie_29, Che12_12, Chewbacca_29, ChosenOne_33, ChotaBhai_33, Cjw1_33, Command613_34, Conquerage_12, Contagion_32, Cookies_33, CrystalP_33, Cubone_29, Czyszczo1_34, Daikon_32, Darrell_13, DoctorDiddles_33, DrDrey_34, Dumbo_33, Duplicity_29, Dusk_32, EGUnicorn_29, Easy2Say_35, EdogawaKiddo_10, Eidsmoe_12, Elephantoon_12, Elite2014_32, Elph10_34, Emmina_34, EmyBug_12, Eureka_33, ExplosioNervosa_12, FairyPath_33, FatCactus_9, Fayely_12, Filch_34, FireRed_33, Flypotenuse_31, FoghornLeghorn_32, Fulbright_28, Gage_35, Gail_10, Gator_31, Gemini_36, Gex_29, Glexan_31, Goku_33, GoldenSpark_35, Goldilocks_34, GooberAzure_35, Greep_34, HanKaySha_34, Hanako_26, Hanray_11, Harella_32, Henry_34, Highbury_34, Halex_11, Holt_34, Hoonter_35, Hopey_35, HortumSL17_12, HuffyPuff_32, IHOP_33, Icee_32, Inca_32, Jamie19_26, JeTaime_35, Jeeves_10, Jiawan_11, Journey_29, Kanye_35, Kimchi_35, Kostya_34, Lilac_35, Lilizi_35, Lilleskat_10, Lilpickle_32, Liveloughbron_34, LoneWolf_12, Luchador_10, MISSy_32, MPhalcon_32, MadamMonkfish_33, Magsby_29, Maminiaina_12, Manda_34, Marshmallow_33, Maxxinista_34, Melville_29, MichelleMyBell_27, Mindy_33, Miniwave_33, Misfit_33, Moldemort_34, MollyToe_33, Mosby_32, Murica_32, Murphy_34, MyraDee_8, Myrale_33, Myxus_12, Nala_33, NelitzaMV_33, Nenae_26, Nimrod_33, NoSleep_34, NonchalantPear_33, Onglai_11, OrionPax_34, PackMan_12, PaddyBaddy_34, Palpatine_33, Paperbeatsrock_35, ParmesanJohn_29, Pat3_32, Petra64142_35, Ph8s_12, Phaeder_12, Phaja_33, PhancyPhin_26, Pharsalus_34, PhatBacter_33, Phaux_32, Philonius_29, Phloss_26, Phonnegut_12, Phrux_33, Pioneer_12, Pipsqueaks_29, Policronamos_33, Porky_33, Priya_12, Ptowny_34, Pumpkin_35, Purgamenstris_26, Qobbit_12, Quallification_34, Rakim_34, Raymond7_26, Rebel_26, Redi_26, Rimmer_32, RiverMonster_33, RyeScarlet_13, Sachima_10, Saints25_34, Sassay_32, Scherzo_12, Schnauzer_29, Scitech_26, ShamWow_33, SheaKeira_11, ShereKhan_35, ShrimpFriedEgg_26, Shweta_26, Silvafighter_29, Silvy_29, Simpliphy_34, SirDuracell_32, SkinnyPete_26, Smurph_29, Snekmaggedon_26, SophKB_33, SororFago_10, Sotrice96_33, Spinach_26, SpongeBob_26, Spouty_12, Stank_36, Stark_34, StellaBean_33, StolenFromERC_35, StormChicken_33, Sunhee_10, Superchunk_10,

SwirlSquare_12, TBrady12_35, Tapioca_29, Tarkin_35, TeamEdward_33, TeardropMSU_32, Teaspoon_34, Terminus_33, Tessdabest_28, Thimble_33, Thresher_34, Toaka_10, Tomaszewski_32, Tortellini_27, Tortoise12_29, Toto_33, Traaww1_31, Tubs_12, Tuco_34, Ugenie5_9, Ukulele_33, Vanisoa_10, Wiggin_36, Willez_32, Xandras_35, Xeno_28, Xerxes_29, YassJohnny_34, Youngblood_33, xkcd_34,

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

- Odin_10, Panchino_26, Purky_27, Squirry_27, WST1_27, Willsammy_27,

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

- 39HC_041, 40BC_041, Allegro_48, Arbiter_47, Ares_48, Argie_38, Bananafish_48, Blocker23_48, Boyle_48, Brownie5_48, Calamitous_48, Cepens_37, Coffee_48, D12_36, Eaglehorse_48, Faze9_47, ForDig_41, FrenchFry_48, Funsized_51, Glass_48, GodPhather_38, Godines_48, Hedgerow_48, Holeinone_48, Hosp_039, Imvubu_40, ItsyBitsy1_48, Jeon_37, Jolie1_041, Kaleb_48, KayaCho_41, Kheth_48, Knocker_49, Kolhan_48, Lars_48, Laurie_47, Lephleur_48, LilMcDreamy_45, LilSmirk_48, LizLemon_48, MasterPo_48, Megabear_37, Minnow_42, Opia_48, PR_37, Phantasmagoria_48, PrinceCharming_48, Qyrzula_45, Rhinoforte_48, Rinkes_48, Rosebush_47, Sabella_47, TA17A_49, Taptic_37, Tinciduntolum_49, Tres_48, Vic9_00047, West99_48,

Summary by start number:

Start 30:

- Found in 7 of 308 (2.3%) of genes in pham
- Manual Annotations of this start: 2 of 277
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 39HC_041 (B6), 40BC_041 (B6), ForDig_41 (B6), Hosp_039 (B6), Jolie1_041 (B6), KayaCho_41 (B6), Minnow_42 (B6),

Start 35:

- Found in 8 of 308 (2.6%) of genes in pham
- Manual Annotations of this start: 8 of 277
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Argie_38 (W), Cepens_37 (W), D12_36 (W), GodPhather_38 (W), Jeon_37 (W), Megabear_37 (W), PR_37 (W), Taptic_37 (W),

Start 36:

- Found in 1 of 308 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 277
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rinkes_48 (B9),

Start 37:

- Found in 4 of 308 (1.3%) of genes in pham
- Manual Annotations of this start: 4 of 277
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Funsized_51 (B9), Imvubu_40 (B10), Knocker_49 (B9), LilMcDreamy_45 (B12),

Start 39:

- Found in 38 of 308 (12.3%) of genes in pham
- Manual Annotations of this start: 37 of 277
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Allegro_48 (B2), Arbiter_47 (B2), Ares_48 (B2), Bananafish_48 (B2), Blocker23_48 (B2), Boyle_48 (B2), Brownie5_48 (B2), Calamitous_48 (B2), Coffee_48 (B2), Eaglehorse_48 (B2), Faze9_47 (B2), FrenchFry_48 (B2), Glass_48 (B2), Godines_48 (B2), Hedgerow_48 (B2), Holeinone_48 (B2), ItsyBitsy1_48 (B2), Kaleb_48 (B2), Kheth_48 (B2), Kolhan_48 (B2), Lars_48 (B2), Laurie_47 (B2), Lephleur_48 (B2), LilSmirk_48 (B2), LizLemon_48 (B2), MasterPo_48 (B2), Opia_48 (B2), Phantasmagoria_48 (B2), PrinceCharming_48 (B2), Qyrzula_45 (B2), Rhinoforte_48 (B2), Rosebush_47 (B2), Sabella_47 (B2), TA17A_49 (B2), Tinciduntolum_49 (B2), Tres_48 (B2), Vic9_00047 (B2), West99_48 (B2),

Start 40:

- Found in 8 of 308 (2.6%) of genes in pham
- Manual Annotations of this start: 4 of 277
- Called 62.5% of time when present
- Phage (with cluster) where this start called: Panchino_26 (N), Purky_27 (P6), Squirty_27 (F3), WST1_27 (AJ), Willsammy_27 (P1),

Start 41:

- Found in 1 of 308 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 277
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Odin_10 (A2),

Start 42:

- Found in 250 of 308 (81.2%) of genes in pham
- Manual Annotations of this start: 220 of 277
- Called 97.6% of time when present
- Phage (with cluster) where this start called: 244_35 (E), ABCat_32 (E), Adnama_36 (E), Adzzy_12 (A2), Aggie_29 (N), Aliter_12 (A9), Alma_12 (A9), Amao_33 (E), AmericanBeauty_35 (E), Andies_26 (N), Anthony_10 (A20), Argent26_35 (E), Arissanae_10 (A9), Asriel_32 (E), Ayanochan_12 (A9), BabeRuth_26 (N), BaboJay_32 (E), BadStone_32 (E), Balomaji_32 (E), Barbarian_32 (E), Bask21_33 (E), Becksu_33 (E), Beemo_12 (A9), Bench_35 (E), BigBubba_34 (E), BilboSwaggins_33 (E), Bogg_33 (E), BogosyJay_12 (A9), Bosection6_29 (N), Brewer_33 (E), Bruin_33 (E), Buck_32 (E), Budgie_35 (E), BugsBunny_31 (E), Cactus_34 (E), Caraxes_10 (A2), Carcharodon_29 (N), Catalina_12 (A9), Chargerpower_11 (A22), Charlie_29 (N), Che12_12 (A2), Chewbacca_29 (N), ChosenOne_33 (E), ChotaBhai_33 (E), Cjw1_33 (E), Command613_34 (E), Conquerage_12 (A9), Contagion_32 (E), Cookies_33 (E), CrystalP_33 (E), Cubone_29 (N), Czyszczonek_34 (E), Daikon_32 (E), Darrell_13 (A9), DoctorDiddles_33 (E), DrDrey_34 (E), Dumbo_33 (E), Duplicity_29 (N), Dusk_32 (E), EGUnicorn_29 (N), Easy2Say_35 (E), EdogawaKiddo_10 (A9), Eidsmoe_12 (A9), Elephantoon_12 (A9), Elite2014_32 (E), Elph10_34 (E), Emmina_34 (E), EmyBug_12 (A9), Eureka_33 (E), ExplosioNervosa_12 (A9), FairyPath_33 (E), FatCactus_9 (A20), Fayely_12 (A9), Filch_34 (E), FireRed_33 (E), Flypotenuse_31 (E), FoghornLeghorn_32 (E), Fulbright_28 (N), Gage_35 (E), Gail_10 (A14), Gator_31 (E), Gemini_36 (E), Gex_29 (N), Glexan_31 (E), Goku_33 (E), GoldenSpark_35 (E), Goldilocks_34 (E), GooberAzure_35 (E), Greep_34 (E), HanKaySha_34 (E),

Hanako_26 (N), Hanray_11 (A9), Harella_32 (E), Henry_34 (E), Highbury_34 (E), Horex_11 (A9), Holt_34 (E), Hoonter_35 (E), Hopey_35 (E), HortumSL17_12 (A9), HufflyPuff_32 (E), IHOP_33 (E), Icee_32 (E), Inca_32 (E), Jamie19_26 (N), JeTaime_35 (E), Jeeves_10 (A14), Jiawan_11 (A9), Journey_29 (N), Kanye_35 (E), Kimchi_35 (E), Kostya_34 (E), Lilac_35 (E), Lilizi_35 (E), Lilleskat_10 (A9), Lilpickle_32 (E), Liveloughbron_34 (E), LoneWolf_12 (A9), Luchador_10 (A14), MISSy_32 (E), MPhalcon_32 (E), MadamMonkfish_33 (E), Magsby_29 (N), Maminiaina_12 (A9), Manda_34 (E), Marshmallow_33 (E), Maxxinista_34 (E), Melville_29 (N), MichelleMyBell_27 (N), Mindy_33 (E), Miniwave_33 (E), Misfit_33 (E), Moldemort_34 (E), MollyToe_33 (E), Mosby_32 (E), Murica_32 (E), Murphy_34 (E), MyraDee_8 (A18), Myrale_33 (E), Myxus_12 (A9), Nala_33 (E), NelitzaMV_33 (E), Nенаe_26 (N), Nimrod_33 (E), NoSleep_34 (E), NonchalantPear_33 (E), Onglai_11 (A9), OrionPax_34 (E), PackMan_12 (A9), PaddyBaddy_34 (E), Palpatine_33 (E), Paperbeatsrock_35 (E), Parmesanjohn_29 (N), Pat3_32 (E), Petra64142_35 (E), Ph8s_12 (A2), Phaeder_12 (A9), Phaja_33 (E), PhancyPhin_26 (N), Pharsalus_34 (E), PhatBacter_33 (E), Phaux_32 (E), Philonius_29 (N), Phloss_26 (N), Phonnegut_12 (A9), Phrux_33 (E), Pioneer_12 (A9), Pipsqueaks_29 (N), Policronamos_33 (E), Porky_33 (E), Priya_12 (A9), Ptowny_34 (E), Pumpkin_35 (E), Purgamenstris_26 (N), Qobbit_12 (A9), Qualification_34 (E), Rakim_34 (E), Raymond7_26 (N), Rebel_26 (N), Redi_26 (N), Rimmer_32 (E), RiverMonster_33 (E), RyeScarlet_13 (A9), Sachima_10 (A9), Saints25_34 (E), Sassay_32 (E), Scherzo_12 (A9), Schnauzer_29 (N), Scitech_26 (N), ShamWow_33 (E), SheaKeira_11 (A9), ShereKhan_35 (E), ShrimpFriedEgg_26 (N), Shweta_26 (N), Silvafighter_29 (N), Silvy_29 (N), Simpliphy_34 (E), SirDuracell_32 (E), SkinnyPete_26 (N), Smurph_29 (N), Snekmaggon_26 (N), SophKB_33 (E), SororFago_10 (A14), Sotrice96_33 (E), Spinach_26 (N), SpongeBob_26 (N), Spouty_12 (A9), Stank_36 (E), Stark_34 (E), StellaBean_33 (E), StolenFromERC_35 (E), StormChicken_33 (E), Sunhee_10 (A14), Superchunk_10 (A2), SwirlSquare_12 (A2), TBrady12_35 (E), Tapioca_29 (N), Tarkin_35 (E), TeamEdward_33 (E), TeardropMSU_32 (E), Teaspoon_34 (E), Terminus_33 (E), Tessdabest_28 (N), Thimble_33 (E), Thresher_34 (E), Toaka_10 (A9), Tomaszewski_32 (E), Tortellini_27 (P2), Tortoise12_29 (N), Toto_33 (E), Traaww1_31 (E), Tubs_12 (A9), Tuco_34 (E), Ugenie5_9 (A9), Ukulele_33 (E), Vanisoa_10 (A9), Wiggin_36 (E), Willez_32 (E), Xandras_35 (E), Xeno_28 (N), Xerxes_29 (N), YassJohnny_34 (E), Youngblood_33 (E), xkcd_34 (E),

Summary by clusters:

There are 19 clusters represented in this pham: A20, A14, A22, P1, E, B2, AJ, P2, A18, F3, N, B6, A2, B12, W, A9, P6, B10, B9,

Info for manual annotations of cluster A14:

- Start number 42 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A18:

- Start number 42 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A2:

- Start number 41 was manually annotated 1 time for cluster A2.
- Start number 42 was manually annotated 5 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 42 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 42 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A9:

- Start number 42 was manually annotated 31 times for cluster A9.

Info for manual annotations of cluster B10:

- Start number 37 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B12:

- Start number 37 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B2:

- Start number 39 was manually annotated 37 times for cluster B2.

Info for manual annotations of cluster B6:

- Start number 30 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B9:

- Start number 36 was manually annotated 1 time for cluster B9.
- Start number 37 was manually annotated 2 times for cluster B9.

Info for manual annotations of cluster E:

- Start number 42 was manually annotated 134 times for cluster E.

Info for manual annotations of cluster F3:

- Start number 40 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster N:

- Start number 40 was manually annotated 1 time for cluster N.
- Start number 42 was manually annotated 41 times for cluster N.

Info for manual annotations of cluster P1:

- Start number 40 was manually annotated 1 time for cluster P1.

Info for manual annotations of cluster P2:

- Start number 42 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P6:

- Start number 40 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster W:

- Start number 35 was manually annotated 8 times for cluster W.

Gene Information:

Gene: 244_35 Start: 31427, Stop: 31810, Start Num: 42

Candidate Starts for 244_35:

(Start: 42 @31427 has 220 MA's), (55, 31505), (60, 31532), (67, 31595), (94, 31730), (105, 31769),

Gene: 39HC_041 Start: 39858, Stop: 40382, Start Num: 30

Candidate Starts for 39HC_041:

(Start: 30 @39858 has 2 MA's), (33, 39879), (38, 39906), (46, 39987), (55, 40023), (61, 40059), (65, 40083), (66, 40104), (80, 40179), (81, 40182), (87, 40218), (100, 40284),

Gene: 40BC_041 Start: 39858, Stop: 40382, Start Num: 30

Candidate Starts for 40BC_041:

(Start: 30 @39858 has 2 MA's), (33, 39879), (38, 39906), (46, 39987), (55, 40023), (61, 40059), (65, 40083), (66, 40104), (80, 40179), (81, 40182), (87, 40218), (100, 40284),

Gene: ABCat_32 Start: 31139, Stop: 31522, Start Num: 42

Candidate Starts for ABCat_32:

(Start: 42 @31139 has 220 MA's), (55, 31217), (60, 31244), (67, 31307), (94, 31442), (105, 31481),

Gene: Adnama_36 Start: 31654, Stop: 32037, Start Num: 42

Candidate Starts for Adnama_36:

(Start: 42 @31654 has 220 MA's), (55, 31732), (60, 31759), (67, 31822), (94, 31957), (105, 31996),

Gene: Adzzy_12 Start: 5846, Stop: 6244, Start Num: 42

Candidate Starts for Adzzy_12:

(Start: 42 @5846 has 220 MA's), (80, 6086), (83, 6104), (96, 6170), (101, 6188),

Gene: Aggie_29 Start: 24340, Stop: 24744, Start Num: 42

Candidate Starts for Aggie_29:

(Start: 42 @24340 has 220 MA's), (85, 24598), (89, 24628), (99, 24670), (109, 24727),

Gene: Aliter_12 Start: 7651, Stop: 8037, Start Num: 42

Candidate Starts for Aliter_12:

(34, 7576), (Start: 42 @7651 has 220 MA's), (68, 7822), (79, 7882),

Gene: Allegro_48 Start: 42310, Stop: 42843, Start Num: 39

Candidate Starts for Allegro_48:

(22, 42127), (25, 42184), (26, 42187), (Start: 39 @42310 has 37 MA's), (63, 42466), (64, 42475), (66, 42499), (75, 42568), (82, 42595), (86, 42613), (91, 42646), (94, 42658), (98, 42676), (103, 42709),

Gene: Alma_12 Start: 7730, Stop: 8116, Start Num: 42

Candidate Starts for Alma_12:

(34, 7655), (Start: 42 @7730 has 220 MA's), (68, 7901), (79, 7961),

Gene: Amao_33 Start: 30351, Stop: 30734, Start Num: 42

Candidate Starts for Amao_33:

(Start: 42 @30351 has 220 MA's), (55, 30429), (60, 30456), (67, 30519), (94, 30654), (105, 30693),

Gene: AmericanBeauty_35 Start: 31134, Stop: 31517, Start Num: 42

Candidate Starts for AmericanBeauty_35:

(Start: 42 @31134 has 220 MA's), (55, 31212), (60, 31239), (67, 31302), (94, 31437), (105, 31476),

Gene: Andies_26 Start: 23507, Stop: 23911, Start Num: 42

Candidate Starts for Andies_26:

(8, 22886), (9, 22889), (11, 22961), (14, 22982), (15, 23075), (16, 23102), (Start: 42 @23507 has 220 MA's), (85, 23765), (89, 23795), (99, 23837), (109, 23894),

Gene: Anthony_10 Start: 5261, Stop: 5653, Start Num: 42

Candidate Starts for Anthony_10:

(Start: 42 @5261 has 220 MA's), (66, 5414), (80, 5492), (83, 5510), (96, 5576), (112, 5642),

Gene: Arbiter_47 Start: 42384, Stop: 42920, Start Num: 39

Candidate Starts for Arbiter_47:

(22, 42201), (25, 42258), (26, 42261), (Start: 39 @42384 has 37 MA's), (63, 42540), (64, 42549), (66, 42573), (75, 42645), (77, 42651), (81, 42663), (82, 42672), (86, 42690), (91, 42723), (94, 42735), (98, 42753), (103, 42786),

Gene: Ares_48 Start: 42368, Stop: 42904, Start Num: 39

Candidate Starts for Ares_48:

(22, 42185), (25, 42242), (26, 42245), (Start: 39 @42368 has 37 MA's), (63, 42524), (64, 42533), (66, 42557), (75, 42629), (77, 42635), (81, 42647), (82, 42656), (86, 42674), (91, 42707), (94, 42719), (98, 42737), (103, 42770),

Gene: Argent26_35 Start: 31137, Stop: 31520, Start Num: 42

Candidate Starts for Argent26_35:

(Start: 42 @31137 has 220 MA's), (55, 31215), (60, 31242), (67, 31305), (94, 31440), (105, 31479),

Gene: Argie_38 Start: 38017, Stop: 38526, Start Num: 35

Candidate Starts for Argie_38:

(32, 37987), (Start: 35 @38017 has 8 MA's), (48, 38134), (50, 38140), (53, 38149), (55, 38158), (62, 38197), (81, 38308), (82, 38317), (84, 38326), (86, 38335), (89, 38359), (92, 38371), (101, 38422), (106, 38440), (108, 38452),

Gene: Arissanae_10 Start: 5852, Stop: 6238, Start Num: 42

Candidate Starts for Arissanae_10:

(18, 5561), (34, 5777), (Start: 42 @5852 has 220 MA's), (71, 6053), (79, 6083),

Gene: Asriel_32 Start: 30008, Stop: 30391, Start Num: 42

Candidate Starts for Asriel_32:

(Start: 42 @30008 has 220 MA's), (55, 30086), (60, 30113), (67, 30176), (94, 30311), (105, 30350),

Gene: Ayanochan_12 Start: 7756, Stop: 8142, Start Num: 42

Candidate Starts for Ayanochan_12:

(34, 7681), (Start: 42 @7756 has 220 MA's), (68, 7927), (79, 7987),

Gene: BabeRuth_26 Start: 23389, Stop: 23793, Start Num: 42

Candidate Starts for BabeRuth_26:

(8, 22768), (9, 22771), (11, 22843), (14, 22864), (15, 22957), (16, 22984), (Start: 42 @23389 has 220 MA's), (67, 23563), (104, 23752),

Gene: BaboJay_32 Start: 30697, Stop: 31080, Start Num: 42

Candidate Starts for BaboJay_32:

(Start: 42 @30697 has 220 MA's), (55, 30775), (60, 30802), (67, 30865), (94, 31000), (105, 31039),

Gene: BadStone_32 Start: 31139, Stop: 31522, Start Num: 42

Candidate Starts for BadStone_32:

(Start: 42 @31139 has 220 MA's), (55, 31217), (60, 31244), (67, 31307), (94, 31442), (105, 31481),

Gene: Balomoji_32 Start: 30873, Stop: 31256, Start Num: 42

Candidate Starts for Balomoji_32:

(Start: 42 @30873 has 220 MA's), (55, 30951), (60, 30978), (67, 31041), (94, 31176), (105, 31215),

Gene: Bananafish_48 Start: 42304, Stop: 42837, Start Num: 39

Candidate Starts for Bananafish_48:

(22, 42121), (25, 42178), (26, 42181), (Start: 39 @42304 has 37 MA's), (63, 42460), (64, 42469), (66, 42493), (75, 42562), (82, 42589), (86, 42607), (91, 42640), (94, 42652), (98, 42670), (103, 42703),

Gene: Barbarian_32 Start: 30008, Stop: 30391, Start Num: 42

Candidate Starts for Barbarian_32:

(Start: 42 @30008 has 220 MA's), (55, 30086), (60, 30113), (67, 30176), (94, 30311), (105, 30350),

Gene: Bask21_33 Start: 30325, Stop: 30708, Start Num: 42

Candidate Starts for Bask21_33:

(Start: 42 @30325 has 220 MA's), (55, 30403), (60, 30430), (67, 30493), (94, 30628), (105, 30667),

Gene: Becksu_33 Start: 31330, Stop: 31713, Start Num: 42

Candidate Starts for Becksu_33:

(Start: 42 @31330 has 220 MA's), (55, 31408), (60, 31435), (67, 31498), (94, 31633), (105, 31672),

Gene: Beemo_12 Start: 7757, Stop: 8143, Start Num: 42

Candidate Starts for Beemo_12:

(34, 7682), (Start: 42 @7757 has 220 MA's), (68, 7928), (79, 7988),

Gene: Bench_35 Start: 31007, Stop: 31390, Start Num: 42

Candidate Starts for Bench_35:

(Start: 42 @31007 has 220 MA's), (55, 31085), (60, 31112), (67, 31175), (94, 31310), (105, 31349),

Gene: BigBubba_34 Start: 30910, Stop: 31293, Start Num: 42

Candidate Starts for BigBubba_34:

(Start: 42 @30910 has 220 MA's), (55, 30988), (60, 31015), (67, 31078), (94, 31213), (105, 31252),

Gene: BilboSwaggins_33 Start: 31147, Stop: 31530, Start Num: 42

Candidate Starts for BilboSwaggins_33:

(Start: 42 @31147 has 220 MA's), (55, 31225), (60, 31252), (67, 31315), (94, 31450), (105, 31489),

Gene: Blocker23_48 Start: 42422, Stop: 42955, Start Num: 39

Candidate Starts for Blocker23_48:

(22, 42239), (25, 42296), (26, 42299), (Start: 39 @42422 has 37 MA's), (63, 42578), (64, 42587), (66, 42611), (75, 42680), (82, 42707), (86, 42725), (91, 42758), (94, 42770), (98, 42788), (103, 42821),

Gene: Bogg_33 Start: 30047, Stop: 30430, Start Num: 42

Candidate Starts for Bogg_33:

(Start: 42 @30047 has 220 MA's), (55, 30125), (60, 30152), (67, 30215), (94, 30350), (105, 30389),

Gene: BogosyJay_12 Start: 7514, Stop: 7900, Start Num: 42

Candidate Starts for BogosyJay_12:

(34, 7439), (Start: 42 @7514 has 220 MA's), (47, 7565), (49, 7574), (67, 7682), (79, 7745), (99, 7844),

Gene: Bosection6_29 Start: 24339, Stop: 24743, Start Num: 42

Candidate Starts for Bosection6_29:

(Start: 42 @24339 has 220 MA's), (85, 24597), (89, 24627), (99, 24669), (109, 24726),

Gene: Boyle_48 Start: 42423, Stop: 42956, Start Num: 39

Candidate Starts for Boyle_48:

(22, 42240), (25, 42297), (26, 42300), (Start: 39 @42423 has 37 MA's), (63, 42579), (64, 42588), (66, 42612), (75, 42681), (82, 42708), (86, 42726), (91, 42759), (94, 42771), (98, 42789), (103, 42822),

Gene: Brewer_33 Start: 31395, Stop: 31778, Start Num: 42

Candidate Starts for Brewer_33:

(Start: 42 @31395 has 220 MA's), (55, 31473), (60, 31500), (67, 31563), (94, 31698), (105, 31737),

Gene: Brownie5_48 Start: 42435, Stop: 42971, Start Num: 39

Candidate Starts for Brownie5_48:

(22, 42252), (25, 42309), (26, 42312), (Start: 39 @42435 has 37 MA's), (63, 42591), (64, 42600), (66, 42624), (75, 42696), (77, 42702), (81, 42714), (82, 42723), (86, 42741), (91, 42774), (94, 42786), (98, 42804), (103, 42837),

Gene: Bruin_33 Start: 31167, Stop: 31550, Start Num: 42

Candidate Starts for Bruin_33:

(Start: 42 @31167 has 220 MA's), (55, 31245), (60, 31272), (67, 31335), (94, 31470), (105, 31509),

Gene: Buck_32 Start: 31103, Stop: 31486, Start Num: 42

Candidate Starts for Buck_32:

(Start: 42 @31103 has 220 MA's), (55, 31181), (60, 31208), (67, 31271), (94, 31406), (105, 31445),

Gene: Budgie_35 Start: 30697, Stop: 31077, Start Num: 42

Candidate Starts for Budgie_35:

(Start: 42 @30697 has 220 MA's), (54, 30769), (67, 30865), (93, 30997), (94, 31000), (105, 31039),

Gene: BugsBunny_31 Start: 30736, Stop: 31119, Start Num: 42

Candidate Starts for BugsBunny_31:

(Start: 42 @30736 has 220 MA's), (55, 30814), (60, 30841), (67, 30904), (94, 31039), (105, 31078),

Gene: Cactus_34 Start: 30358, Stop: 30741, Start Num: 42

Candidate Starts for Cactus_34:

(Start: 42 @30358 has 220 MA's), (55, 30436), (60, 30463), (67, 30526), (94, 30661), (105, 30700),

Gene: Calamitous_48 Start: 42309, Stop: 42842, Start Num: 39

Candidate Starts for Calamitous_48:

(22, 42126), (25, 42183), (26, 42186), (Start: 39 @42309 has 37 MA's), (63, 42465), (64, 42474), (66, 42498), (75, 42567), (82, 42594), (86, 42612), (91, 42645), (94, 42657), (98, 42675), (103, 42708),

Gene: Caraxes_10 Start: 5746, Stop: 6141, Start Num: 42

Candidate Starts for Caraxes_10:

(Start: 42 @5746 has 220 MA's), (80, 5986), (83, 6004), (96, 6070), (101, 6088),

Gene: Carcharodon_29 Start: 24339, Stop: 24743, Start Num: 42

Candidate Starts for Carcharodon_29:

(Start: 42 @24339 has 220 MA's), (85, 24597), (89, 24627), (99, 24669), (109, 24726),

Gene: Catalina_12 Start: 7724, Stop: 8110, Start Num: 42

Candidate Starts for Catalina_12:

(34, 7649), (Start: 42 @7724 has 220 MA's), (68, 7895), (79, 7955),

Gene: Cepens_37 Start: 37732, Stop: 38241, Start Num: 35

Candidate Starts for Cepens_37:

(32, 37702), (Start: 35 @37732 has 8 MA's), (48, 37849), (50, 37855), (53, 37864), (55, 37873), (62, 37912), (81, 38023), (82, 38032), (84, 38041), (86, 38050), (89, 38074), (92, 38086), (101, 38137), (106, 38155), (108, 38167),

Gene: Chargerpower_11 Start: 6184, Stop: 6570, Start Num: 42

Candidate Starts for Chargerpower_11:

(18, 5893), (19, 5938), (27, 6049), (Start: 42 @6184 has 220 MA's), (67, 6352), (85, 6442), (96, 6502),

Gene: Charlie_29 Start: 24339, Stop: 24743, Start Num: 42

Candidate Starts for Charlie_29:

(Start: 42 @24339 has 220 MA's), (85, 24597), (89, 24627), (99, 24669), (109, 24726),

Gene: Che12_12 Start: 5840, Stop: 6238, Start Num: 42

Candidate Starts for Che12_12:

(Start: 42 @5840 has 220 MA's), (80, 6080), (83, 6098), (96, 6164), (101, 6182),

Gene: Chewbacca_29 Start: 24339, Stop: 24743, Start Num: 42

Candidate Starts for Chewbacca_29:

(Start: 42 @24339 has 220 MA's), (85, 24597), (89, 24627), (99, 24669), (109, 24726),

Gene: ChosenOne_33 Start: 30355, Stop: 30738, Start Num: 42

Candidate Starts for ChosenOne_33:

(Start: 42 @30355 has 220 MA's), (55, 30433), (60, 30460), (67, 30523), (94, 30658), (105, 30697),

Gene: ChotaBhai_33 Start: 30393, Stop: 30776, Start Num: 42

Candidate Starts for ChotaBhai_33:

(Start: 42 @30393 has 220 MA's), (55, 30471), (60, 30498), (67, 30561), (94, 30696), (105, 30735),

Gene: Cjw1_33 Start: 31907, Stop: 32290, Start Num: 42

Candidate Starts for Cjw1_33:

(Start: 42 @31907 has 220 MA's), (55, 31985), (60, 32012), (67, 32075), (94, 32210), (105, 32249),

Gene: Coffee_48 Start: 42412, Stop: 42945, Start Num: 39

Candidate Starts for Coffee_48:

(22, 42229), (25, 42286), (26, 42289), (Start: 39 @42412 has 37 MA's), (63, 42568), (64, 42577), (66, 42601), (75, 42670), (82, 42697), (86, 42715), (91, 42748), (94, 42760), (98, 42778), (103, 42811),

Gene: Command613_34 Start: 31414, Stop: 31797, Start Num: 42

Candidate Starts for Command613_34:

(Start: 42 @31414 has 220 MA's), (55, 31492), (60, 31519), (67, 31582), (94, 31717), (105, 31756),

Gene: Conquerage_12 Start: 7753, Stop: 8139, Start Num: 42

Candidate Starts for Conquerage_12:

(34, 7678), (Start: 42 @7753 has 220 MA's), (68, 7924), (79, 7984),

Gene: Contagion_32 Start: 30651, Stop: 31034, Start Num: 42

Candidate Starts for Contagion_32:

(Start: 42 @30651 has 220 MA's), (55, 30729), (60, 30756), (67, 30819), (94, 30954), (105, 30993),

Gene: Cookies_33 Start: 31016, Stop: 31399, Start Num: 42

Candidate Starts for Cookies_33:

(Start: 42 @31016 has 220 MA's), (55, 31094), (60, 31121), (67, 31184), (94, 31319), (105, 31358),

Gene: CrystalP_33 Start: 31147, Stop: 31530, Start Num: 42

Candidate Starts for CrystalP_33:

(Start: 42 @31147 has 220 MA's), (55, 31225), (60, 31252), (67, 31315), (94, 31450), (105, 31489),

Gene: Cubone_29 Start: 24361, Stop: 24765, Start Num: 42

Candidate Starts for Cubone_29:

(Start: 42 @24361 has 220 MA's), (85, 24619), (89, 24649), (99, 24691), (109, 24748),

Gene: Czyszczone1_34 Start: 30892, Stop: 31275, Start Num: 42

Candidate Starts for Czyszczone1_34:

(Start: 42 @30892 has 220 MA's), (55, 30970), (60, 30997), (67, 31060), (94, 31195), (105, 31234),

Gene: D12_36 Start: 38280, Stop: 38789, Start Num: 35

Candidate Starts for D12_36:

(28, 38253), (29, 38262), (Start: 35 @38280 has 8 MA's), (48, 38397), (50, 38403), (53, 38412), (55, 38421), (62, 38460), (81, 38571), (82, 38580), (84, 38589), (86, 38598), (89, 38622), (92, 38634), (101, 38685), (106, 38703), (108, 38715),

Gene: Daikon_32 Start: 30885, Stop: 31268, Start Num: 42

Candidate Starts for Daikon_32:

(Start: 42 @30885 has 220 MA's), (55, 30963), (60, 30990), (94, 31188), (105, 31227),

Gene: Darrell_13 Start: 7946, Stop: 8335, Start Num: 42

Candidate Starts for Darrell_13:

(Start: 42 @7946 has 220 MA's), (51, 8009), (67, 8114), (83, 8201), (85, 8207),

Gene: DoctorDiddles_33 Start: 30309, Stop: 30692, Start Num: 42

Candidate Starts for DoctorDiddles_33:

(Start: 42 @30309 has 220 MA's), (55, 30387), (60, 30414), (67, 30477), (94, 30612), (105, 30651),

Gene: DrDrey_34 Start: 31639, Stop: 32022, Start Num: 42

Candidate Starts for DrDrey_34:

(Start: 42 @31639 has 220 MA's), (55, 31717), (60, 31744), (67, 31807), (94, 31942), (105, 31981),

Gene: Dumbo_33 Start: 30614, Stop: 30997, Start Num: 42

Candidate Starts for Dumbo_33:

(Start: 42 @30614 has 220 MA's), (55, 30692), (60, 30719), (67, 30782), (94, 30917), (105, 30956),

Gene: Duplicity_29 Start: 24339, Stop: 24743, Start Num: 42

Candidate Starts for Duplicity_29:

(Start: 42 @24339 has 220 MA's), (85, 24597), (89, 24627), (99, 24669), (109, 24726),

Gene: Dusk_32 Start: 30799, Stop: 31182, Start Num: 42

Candidate Starts for Dusk_32:

(Start: 42 @30799 has 220 MA's), (55, 30877), (60, 30904), (67, 30967), (94, 31102), (105, 31141),

Gene: EGUnicorn_29 Start: 24339, Stop: 24743, Start Num: 42

Candidate Starts for EGUnicorn_29:

(Start: 42 @24339 has 220 MA's), (85, 24597), (89, 24627), (99, 24669), (109, 24726),

Gene: Eaglehorse_48 Start: 42336, Stop: 42872, Start Num: 39

Candidate Starts for Eaglehorse_48:

(22, 42153), (25, 42210), (26, 42213), (Start: 39 @42336 has 37 MA's), (63, 42492), (64, 42501), (66, 42525), (75, 42597), (77, 42603), (81, 42615), (82, 42624), (86, 42642), (91, 42675), (94, 42687), (98, 42705), (103, 42738),

Gene: Easy2Say_35 Start: 32397, Stop: 32780, Start Num: 42

Candidate Starts for Easy2Say_35:

(Start: 42 @32397 has 220 MA's), (55, 32475), (60, 32502), (67, 32565), (94, 32700), (105, 32739),

Gene: EdogawaKiddo_10 Start: 7723, Stop: 8109, Start Num: 42

Candidate Starts for EdogawaKiddo_10:

(34, 7648), (Start: 42 @7723 has 220 MA's), (68, 7894), (79, 7954),

Gene: Eidsmoe_12 Start: 7753, Stop: 8139, Start Num: 42

Candidate Starts for Eidsmoe_12:

(34, 7678), (Start: 42 @7753 has 220 MA's), (68, 7924), (79, 7984),

Gene: Elephantoon_12 Start: 7375, Stop: 7764, Start Num: 42

Candidate Starts for Elephantoon_12:

(34, 7300), (Start: 42 @7375 has 220 MA's), (67, 7543), (83, 7630), (85, 7636),

Gene: Elite2014_32 Start: 30354, Stop: 30737, Start Num: 42

Candidate Starts for Elite2014_32:

(Start: 42 @30354 has 220 MA's), (55, 30432), (60, 30459), (67, 30522), (94, 30657), (105, 30696),

Gene: Elph10_34 Start: 30617, Stop: 31000, Start Num: 42

Candidate Starts for Elph10_34:

(Start: 42 @30617 has 220 MA's), (55, 30695), (60, 30722), (67, 30785), (94, 30920), (105, 30959),

Gene: Emmina_34 Start: 30975, Stop: 31358, Start Num: 42

Candidate Starts for Emmina_34:

(Start: 42 @30975 has 220 MA's), (55, 31053), (60, 31080), (67, 31143), (94, 31278), (105, 31317),

Gene: EmyBug_12 Start: 7753, Stop: 8139, Start Num: 42

Candidate Starts for EmyBug_12:

(34, 7678), (Start: 42 @7753 has 220 MA's), (68, 7924), (79, 7984),

Gene: Eureka_33 Start: 31130, Stop: 31513, Start Num: 42

Candidate Starts for Eureka_33:

(Start: 42 @31130 has 220 MA's), (55, 31208), (60, 31235), (67, 31298), (94, 31433), (105, 31472),

Gene: ExplosioNervosa_12 Start: 7756, Stop: 8142, Start Num: 42

Candidate Starts for ExplosioNervosa_12:

(34, 7681), (Start: 42 @7756 has 220 MA's), (68, 7927), (79, 7987),

Gene: FairyPath_33 Start: 31342, Stop: 31725, Start Num: 42

Candidate Starts for FairyPath_33:

(Start: 42 @31342 has 220 MA's), (55, 31420), (60, 31447), (67, 31510), (94, 31645), (105, 31684),

Gene: FatCactus_9 Start: 5172, Stop: 5573, Start Num: 42

Candidate Starts for FatCactus_9:

(Start: 42 @5172 has 220 MA's), (57, 5268), (83, 5430), (112, 5562),

Gene: Fayely_12 Start: 7756, Stop: 8142, Start Num: 42

Candidate Starts for Fayely_12:

(34, 7681), (Start: 42 @7756 has 220 MA's), (68, 7927), (79, 7987),

Gene: Faze9_47 Start: 42432, Stop: 42965, Start Num: 39

Candidate Starts for Faze9_47:

(22, 42249), (25, 42306), (26, 42309), (Start: 39 @42432 has 37 MA's), (63, 42588), (64, 42597), (66, 42621), (75, 42690), (82, 42717), (86, 42735), (91, 42768), (94, 42780), (98, 42798), (103, 42831),

Gene: Filch_34 Start: 30905, Stop: 31288, Start Num: 42

Candidate Starts for Filch_34:

(Start: 42 @30905 has 220 MA's), (55, 30983), (60, 31010), (67, 31073), (94, 31208), (105, 31247),

Gene: FireRed_33 Start: 31175, Stop: 31558, Start Num: 42

Candidate Starts for FireRed_33:

(Start: 42 @31175 has 220 MA's), (55, 31253), (60, 31280), (67, 31343), (94, 31478), (105, 31517),

Gene: Flypotenuse_31 Start: 30743, Stop: 31126, Start Num: 42

Candidate Starts for Flypotenuse_31:

(Start: 42 @30743 has 220 MA's), (55, 30821), (60, 30848), (67, 30911), (94, 31046), (105, 31085),

Gene: FoghornLeghorn_32 Start: 30651, Stop: 31034, Start Num: 42

Candidate Starts for FoghornLeghorn_32:

(Start: 42 @30651 has 220 MA's), (55, 30729), (60, 30756), (67, 30819), (94, 30954), (105, 30993),

Gene: ForDig_41 Start: 39840, Stop: 40361, Start Num: 30

Candidate Starts for ForDig_41:

(Start: 30 @39840 has 2 MA's), (33, 39861), (38, 39888), (46, 39969), (55, 40005), (61, 40041), (65, 40065), (66, 40086), (80, 40161), (87, 40200), (98, 40254), (100, 40266), (103, 40284),

Gene: FrenchFry_48 Start: 42426, Stop: 42959, Start Num: 39

Candidate Starts for FrenchFry_48:

(22, 42243), (25, 42300), (26, 42303), (Start: 39 @42426 has 37 MA's), (63, 42582), (64, 42591), (66, 42615), (75, 42684), (82, 42711), (86, 42729), (91, 42762), (94, 42774), (98, 42792), (103, 42825),

Gene: Fulbright_28 Start: 24162, Stop: 24566, Start Num: 42

Candidate Starts for Fulbright_28:

(Start: 42 @24162 has 220 MA's), (85, 24420), (89, 24450), (99, 24492), (109, 24549),

Gene: Funsized_51 Start: 44809, Stop: 45291, Start Num: 37

Candidate Starts for Funsized_51:

(19, 44626), (28, 44758), (Start: 37 @44809 has 4 MA's), (Start: 40 @44848 has 4 MA's), (61, 44971), (70, 45043), (78, 45082), (86, 45112), (88, 45124), (95, 45157), (98, 45169), (110, 45229),

Gene: Gage_35 Start: 31137, Stop: 31520, Start Num: 42

Candidate Starts for Gage_35:

(Start: 42 @31137 has 220 MA's), (55, 31215), (60, 31242), (67, 31305), (94, 31440), (105, 31479),

Gene: Gail_10 Start: 6144, Stop: 6530, Start Num: 42

Candidate Starts for Gail_10:

(18, 5856), (24, 5970), (Start: 42 @6144 has 220 MA's), (67, 6312), (77, 6369), (83, 6396), (85, 6402), (96, 6462),

Gene: Gator_31 Start: 30755, Stop: 31138, Start Num: 42

Candidate Starts for Gator_31:

(Start: 42 @30755 has 220 MA's), (55, 30833), (60, 30860), (67, 30923), (94, 31058), (105, 31097),

Gene: Gemini_36 Start: 31654, Stop: 32037, Start Num: 42

Candidate Starts for Gemini_36:

(Start: 42 @31654 has 220 MA's), (55, 31732), (60, 31759), (67, 31822), (94, 31957), (105, 31996),

Gene: Gex_29 Start: 24335, Stop: 24739, Start Num: 42

Candidate Starts for Gex_29:

(Start: 42 @24335 has 220 MA's), (85, 24593), (89, 24623), (99, 24665), (109, 24722),

Gene: Glass_48 Start: 42426, Stop: 42962, Start Num: 39

Candidate Starts for Glass_48:

(22, 42243), (25, 42300), (26, 42303), (Start: 39 @42426 has 37 MA's), (63, 42582), (64, 42591), (66, 42615), (75, 42687), (77, 42693), (81, 42705), (82, 42714), (86, 42732), (91, 42765), (94, 42777), (98, 42795), (103, 42828),

Gene: Glexan_31 Start: 30743, Stop: 31126, Start Num: 42

Candidate Starts for Glexan_31:

(Start: 42 @30743 has 220 MA's), (55, 30821), (60, 30848), (67, 30911), (94, 31046), (105, 31085),

Gene: GodPhather_38 Start: 38496, Stop: 39005, Start Num: 35

Candidate Starts for GodPhather_38:

(32, 38466), (Start: 35 @38496 has 8 MA's), (48, 38613), (50, 38619), (53, 38628), (55, 38637), (62, 38676), (81, 38787), (82, 38796), (84, 38805), (86, 38814), (89, 38838), (92, 38850), (101, 38901), (106, 38919), (108, 38931),

Gene: Godines_48 Start: 42368, Stop: 42901, Start Num: 39

Candidate Starts for Godines_48:

(1, 41258), (2, 41261), (6, 41555), (7, 41762), (17, 42029), (20, 42152), (22, 42185), (25, 42242), (26, 42245), (Start: 39 @42368 has 37 MA's), (45, 42431), (63, 42524), (64, 42533), (66, 42557), (75, 42626), (82, 42653), (86, 42671), (91, 42704), (94, 42716), (98, 42734), (103, 42767),

Gene: Goku_33 Start: 30859, Stop: 31242, Start Num: 42

Candidate Starts for Goku_33:

(Start: 42 @30859 has 220 MA's), (55, 30937), (60, 30964), (67, 31027), (94, 31162), (105, 31201),

Gene: GoldenSpark_35 Start: 31137, Stop: 31520, Start Num: 42

Candidate Starts for GoldenSpark_35:

(Start: 42 @31137 has 220 MA's), (55, 31215), (60, 31242), (67, 31305), (94, 31440), (105, 31479),

Gene: Goldilocks_34 Start: 30557, Stop: 30940, Start Num: 42

Candidate Starts for Goldilocks_34:

(Start: 42 @30557 has 220 MA's), (55, 30635), (60, 30662), (67, 30725), (94, 30860), (105, 30899),

Gene: GooberAzure_35 Start: 31137, Stop: 31520, Start Num: 42

Candidate Starts for GooberAzure_35:

(Start: 42 @31137 has 220 MA's), (55, 31215), (60, 31242), (67, 31305), (94, 31440), (105, 31479),

Gene: Greep_34 Start: 31467, Stop: 31850, Start Num: 42

Candidate Starts for Greep_34:

(Start: 42 @31467 has 220 MA's), (55, 31545), (60, 31572), (67, 31635), (94, 31770), (105, 31809),

Gene: HanKaySha_34 Start: 30889, Stop: 31272, Start Num: 42

Candidate Starts for HanKaySha_34:

(Start: 42 @30889 has 220 MA's), (55, 30967), (60, 30994), (67, 31057), (94, 31192), (105, 31231),

Gene: Hanako_26 Start: 23389, Stop: 23793, Start Num: 42

Candidate Starts for Hanako_26:

(8, 22768), (9, 22771), (11, 22843), (14, 22864), (15, 22957), (16, 22984), (Start: 42 @23389 has 220 MA's), (67, 23563), (104, 23752),

Gene: Hanray_11 Start: 7759, Stop: 8145, Start Num: 42

Candidate Starts for Hanray_11:

(34, 7684), (Start: 42 @7759 has 220 MA's), (68, 7930), (79, 7990),

Gene: Harella_32 Start: 31259, Stop: 31642, Start Num: 42

Candidate Starts for Harella_32:

(Start: 42 @31259 has 220 MA's), (55, 31337), (60, 31364), (67, 31427), (94, 31562), (105, 31601),

Gene: Hedgerow_48 Start: 42408, Stop: 42944, Start Num: 39

Candidate Starts for Hedgerow_48:

(22, 42225), (25, 42282), (26, 42285), (Start: 39 @42408 has 37 MA's), (63, 42564), (64, 42573), (66, 42597), (75, 42669), (77, 42675), (81, 42687), (82, 42696), (86, 42714), (91, 42747), (94, 42759), (98, 42777), (103, 42810),

Gene: Henry_34 Start: 31147, Stop: 31530, Start Num: 42

Candidate Starts for Henry_34:

(Start: 42 @31147 has 220 MA's), (55, 31225), (60, 31252), (67, 31315), (94, 31450), (105, 31489),

Gene: Highbury_34 Start: 30805, Stop: 31188, Start Num: 42

Candidate Starts for Highbury_34:

(Start: 42 @30805 has 220 MA's), (55, 30883), (60, 30910), (67, 30973), (94, 31108), (105, 31147),

Gene: Holeinone_48 Start: 42288, Stop: 42821, Start Num: 39

Candidate Starts for Holeinone_48:

(22, 42105), (25, 42162), (26, 42165), (Start: 39 @42288 has 37 MA's), (63, 42444), (64, 42453), (66, 42477), (75, 42546), (82, 42573), (86, 42591), (91, 42624), (94, 42636), (98, 42654), (103, 42687),

Gene: Horex_11 Start: 7759, Stop: 8145, Start Num: 42

Candidate Starts for Horex_11:

(34, 7684), (Start: 42 @7759 has 220 MA's), (65, 7897), (68, 7930), (79, 7990),

Gene: Holt_34 Start: 30424, Stop: 30807, Start Num: 42

Candidate Starts for Holt_34:

(Start: 42 @30424 has 220 MA's), (55, 30502), (60, 30529), (67, 30592), (94, 30727), (105, 30766),

Gene: Hoonter_35 Start: 31137, Stop: 31520, Start Num: 42

Candidate Starts for Hoonter_35:

(Start: 42 @31137 has 220 MA's), (55, 31215), (60, 31242), (67, 31305), (94, 31440), (105, 31479),

Gene: Hokey_35 Start: 31424, Stop: 31807, Start Num: 42

Candidate Starts for Hokey_35:

(Start: 42 @31424 has 220 MA's), (55, 31502), (60, 31529), (67, 31592), (94, 31727), (105, 31766),

Gene: HortumSL17_12 Start: 7723, Stop: 8109, Start Num: 42

Candidate Starts for HortumSL17_12:

(34, 7648), (Start: 42 @7723 has 220 MA's), (68, 7894), (79, 7954),

Gene: Hosp_039 Start: 38050, Stop: 38574, Start Num: 30

Candidate Starts for Hosp_039:

(Start: 30 @38050 has 2 MA's), (33, 38071), (38, 38098), (46, 38179), (55, 38215), (61, 38251), (65, 38275), (66, 38296), (80, 38371), (81, 38374), (87, 38410), (100, 38476),

Gene: HufflyPuff_32 Start: 31131, Stop: 31514, Start Num: 42

Candidate Starts for HufflyPuff_32:

(Start: 42 @31131 has 220 MA's), (55, 31209), (60, 31236), (67, 31299), (94, 31434), (105, 31473),

Gene: IHOP_33 Start: 31324, Stop: 31707, Start Num: 42

Candidate Starts for IHOP_33:

(Start: 42 @31324 has 220 MA's), (55, 31402), (60, 31429), (67, 31492), (94, 31627), (105, 31666),

Gene: Icee_32 Start: 30805, Stop: 31188, Start Num: 42

Candidate Starts for Icee_32:

(Start: 42 @30805 has 220 MA's), (55, 30883), (60, 30910), (67, 30973), (94, 31108), (105, 31147),

Gene: Imvubu_40 Start: 38839, Stop: 39363, Start Num: 37

Candidate Starts for Imvubu_40:

(Start: 37 @38839 has 4 MA's), (44, 38923), (49, 38950), (85, 39151), (89, 39181), (114, 39310), (115, 39334),

Gene: Inca_32 Start: 29826, Stop: 30209, Start Num: 42

Candidate Starts for Inca_32:

(Start: 42 @29826 has 220 MA's), (55, 29904), (60, 29931), (67, 29994), (94, 30129), (105, 30168),

Gene: ItsyBitsy1_48 Start: 42290, Stop: 42823, Start Num: 39

Candidate Starts for ItsyBitsy1_48:

(22, 42107), (25, 42164), (26, 42167), (Start: 39 @42290 has 37 MA's), (63, 42446), (64, 42455), (66, 42479), (75, 42548), (82, 42575), (86, 42593), (91, 42626), (94, 42638), (98, 42656), (103, 42689),

Gene: Jamie19_26 Start: 23389, Stop: 23793, Start Num: 42

Candidate Starts for Jamie19_26:

(8, 22768), (9, 22771), (11, 22843), (14, 22864), (15, 22957), (16, 22984), (Start: 42 @23389 has 220 MA's), (85, 23647), (89, 23677), (99, 23719), (109, 23776),

Gene: JeTaime_35 Start: 31948, Stop: 32331, Start Num: 42

Candidate Starts for JeTaime_35:

(Start: 42 @31948 has 220 MA's), (55, 32026), (60, 32053), (67, 32116), (94, 32251), (105, 32290),

Gene: Jeeves_10 Start: 6157, Stop: 6543, Start Num: 42

Candidate Starts for Jeeves_10:

(24, 5983), (27, 6025), (Start: 42 @6157 has 220 MA's), (67, 6325), (85, 6415), (96, 6475), (97, 6478),

Gene: Jeon_37 Start: 38238, Stop: 38747, Start Num: 35

Candidate Starts for Jeon_37:

(32, 38208), (Start: 35 @38238 has 8 MA's), (48, 38355), (50, 38361), (53, 38370), (55, 38379), (62, 38418), (81, 38529), (82, 38538), (84, 38547), (86, 38556), (89, 38580), (92, 38592), (101, 38643), (106, 38661), (108, 38673),

Gene: Jiawan_11 Start: 7759, Stop: 8145, Start Num: 42

Candidate Starts for Jiawan_11:

(34, 7684), (Start: 42 @7759 has 220 MA's), (65, 7897), (68, 7930), (79, 7990),

Gene: Jolie1_041 Start: 39828, Stop: 40349, Start Num: 30

Candidate Starts for Jolie1_041:

(Start: 30 @39828 has 2 MA's), (33, 39849), (38, 39876), (46, 39957), (55, 39993), (61, 40029), (65, 40053), (66, 40074), (80, 40149), (87, 40188), (98, 40242), (100, 40254), (103, 40272),

Gene: Journey_29 Start: 24339, Stop: 24743, Start Num: 42

Candidate Starts for Journey_29:

(Start: 42 @24339 has 220 MA's), (85, 24597), (89, 24627), (99, 24669), (109, 24726),

Gene: Kaleb_48 Start: 42423, Stop: 42959, Start Num: 39

Candidate Starts for Kaleb_48:

(22, 42240), (25, 42297), (26, 42300), (Start: 39 @42423 has 37 MA's), (63, 42579), (64, 42588), (66, 42612), (75, 42684), (77, 42690), (81, 42702), (82, 42711), (86, 42729), (91, 42762), (94, 42774), (98, 42792), (103, 42825),

Gene: Kanye_35 Start: 32133, Stop: 32516, Start Num: 42

Candidate Starts for Kanye_35:

(Start: 42 @32133 has 220 MA's), (55, 32211), (60, 32238), (67, 32301), (94, 32436), (105, 32475),

Gene: KayaCho_41 Start: 39832, Stop: 40353, Start Num: 30

Candidate Starts for KayaCho_41:

(Start: 30 @39832 has 2 MA's), (33, 39853), (38, 39880), (46, 39961), (55, 39997), (61, 40033), (65, 40057), (66, 40078), (80, 40153), (81, 40156), (87, 40192), (92, 40219), (98, 40246), (100, 40258), (103, 40276), (111, 40303),

Gene: Kheth_48 Start: 42341, Stop: 42874, Start Num: 39

Candidate Starts for Kheth_48:

(22, 42158), (25, 42215), (26, 42218), (Start: 39 @42341 has 37 MA's), (63, 42497), (64, 42506), (66, 42530), (75, 42599), (82, 42626), (86, 42644), (91, 42677), (94, 42689), (98, 42707), (103, 42740),

Gene: Kimchi_35 Start: 31140, Stop: 31523, Start Num: 42

Candidate Starts for Kimchi_35:

(Start: 42 @31140 has 220 MA's), (55, 31218), (60, 31245), (67, 31308), (94, 31443), (105, 31482),

Gene: Kocker_49 Start: 43770, Stop: 44288, Start Num: 37

Candidate Starts for Kocker_49:

(21, 43602), (31, 43728), (Start: 37 @43770 has 4 MA's), (55, 43899), (61, 43935), (70, 44007), (89, 44112), (113, 44229), (114, 44241),

Gene: Kolhan_48 Start: 42296, Stop: 42829, Start Num: 39

Candidate Starts for Kolhan_48:

(22, 42113), (25, 42170), (26, 42173), (Start: 39 @42296 has 37 MA's), (63, 42452), (64, 42461), (66, 42485), (75, 42554), (82, 42581), (86, 42599), (91, 42632), (94, 42644), (98, 42662), (103, 42695),

Gene: Kostya_34 Start: 31148, Stop: 31531, Start Num: 42

Candidate Starts for Kostya_34:

(Start: 42 @31148 has 220 MA's), (55, 31226), (60, 31253), (67, 31316), (94, 31451), (105, 31490),

Gene: Lars_48 Start: 42413, Stop: 42946, Start Num: 39

Candidate Starts for Lars_48:

(22, 42230), (25, 42287), (26, 42290), (Start: 39 @42413 has 37 MA's), (45, 42476), (63, 42569), (64, 42578), (66, 42602), (75, 42671), (82, 42698), (86, 42716), (91, 42749), (94, 42761), (98, 42779), (103, 42812),

Gene: Laurie_47 Start: 41812, Stop: 42345, Start Num: 39

Candidate Starts for Laurie_47:

(22, 41629), (25, 41686), (26, 41689), (Start: 39 @41812 has 37 MA's), (63, 41968), (64, 41977), (66, 42001), (75, 42070), (82, 42097), (86, 42115), (91, 42148), (94, 42160), (98, 42178), (103, 42211),

Gene: Lephleur_48 Start: 42306, Stop: 42839, Start Num: 39

Candidate Starts for Lephleur_48:

(22, 42123), (25, 42180), (26, 42183), (Start: 39 @42306 has 37 MA's), (63, 42462), (64, 42471), (66, 42495), (75, 42564), (82, 42591), (86, 42609), (91, 42642), (94, 42654), (98, 42672), (103, 42705),

Gene: LilMcDreamy_45 Start: 41638, Stop: 42135, Start Num: 37

Candidate Starts for LilMcDreamy_45:

(Start: 37 @41638 has 4 MA's), (46, 41728), (55, 41764), (61, 41800), (77, 41908), (79, 41914), (86, 41947), (87, 41956), (90, 41977),

Gene: LilSmirk_48 Start: 42300, Stop: 42836, Start Num: 39

Candidate Starts for LilSmirk_48:

(22, 42117), (25, 42174), (26, 42177), (Start: 39 @42300 has 37 MA's), (63, 42456), (64, 42465), (66, 42489), (75, 42561), (77, 42567), (81, 42579), (82, 42588), (86, 42606), (91, 42639), (94, 42651), (98, 42669), (103, 42702),

Gene: Lilac_35 Start: 30644, Stop: 31027, Start Num: 42

Candidate Starts for Lilac_35:

(Start: 42 @30644 has 220 MA's), (55, 30722), (60, 30749), (67, 30812), (94, 30947), (105, 30986),

Gene: Lilizi_35 Start: 30852, Stop: 31235, Start Num: 42

Candidate Starts for Lilizi_35:

(Start: 42 @30852 has 220 MA's), (55, 30930), (60, 30957), (67, 31020), (94, 31155), (105, 31194),

Gene: Lilleskat_10 Start: 7723, Stop: 8109, Start Num: 42

Candidate Starts for Lilleskat_10:

(34, 7648), (Start: 42 @7723 has 220 MA's), (68, 7894), (79, 7954),

Gene: Lilpickle_32 Start: 30354, Stop: 30737, Start Num: 42

Candidate Starts for Lilpickle_32:

(Start: 42 @30354 has 220 MA's), (55, 30432), (60, 30459), (67, 30522), (94, 30657), (105, 30696),

Gene: Livelaughbron_34 Start: 31261, Stop: 31644, Start Num: 42

Candidate Starts for Livelaughbron_34:

(Start: 42 @31261 has 220 MA's), (55, 31339), (60, 31366), (67, 31429), (94, 31564), (105, 31603),

Gene: LizLemon_48 Start: 42422, Stop: 42955, Start Num: 39

Candidate Starts for LizLemon_48:

(22, 42239), (25, 42296), (26, 42299), (Start: 39 @42422 has 37 MA's), (63, 42578), (64, 42587), (66, 42611), (75, 42680), (82, 42707), (86, 42725), (91, 42758), (94, 42770), (98, 42788), (103, 42821),

Gene: LoneWolf_12 Start: 7570, Stop: 7956, Start Num: 42

Candidate Starts for LoneWolf_12:

(34, 7495), (Start: 42 @7570 has 220 MA's), (59, 7669), (67, 7738), (79, 7801), (99, 7900),

Gene: Luchador_10 Start: 6145, Stop: 6531, Start Num: 42

Candidate Starts for Luchador_10:

(18, 5857), (24, 5971), (27, 6013), (Start: 42 @6145 has 220 MA's), (67, 6313), (83, 6397), (85, 6403), (96, 6463),

Gene: MISSy_32 Start: 30660, Stop: 31043, Start Num: 42

Candidate Starts for MISSy_32:

(Start: 42 @30660 has 220 MA's), (55, 30738), (60, 30765), (67, 30828), (94, 30963), (105, 31002),

Gene: MPhalcon_32 Start: 30653, Stop: 31036, Start Num: 42

Candidate Starts for MPhalcon_32:

(Start: 42 @30653 has 220 MA's), (55, 30731), (60, 30758), (67, 30821), (94, 30956), (105, 30995),

Gene: MadamMonkfish_33 Start: 30565, Stop: 30948, Start Num: 42

Candidate Starts for MadamMonkfish_33:

(Start: 42 @30565 has 220 MA's), (55, 30643), (60, 30670), (67, 30733), (94, 30868), (105, 30907),

Gene: Magsby_29 Start: 24336, Stop: 24740, Start Num: 42

Candidate Starts for Magsby_29:

(Start: 42 @24336 has 220 MA's), (85, 24594), (89, 24624), (99, 24666), (109, 24723),

Gene: Maminiaina_12 Start: 7493, Stop: 7879, Start Num: 42

Candidate Starts for Maminiaina_12:

(34, 7418), (Start: 42 @7493 has 220 MA's), (68, 7664), (79, 7724),

Gene: Manda_34 Start: 31632, Stop: 32015, Start Num: 42

Candidate Starts for Manda_34:

(Start: 42 @31632 has 220 MA's), (55, 31710), (60, 31737), (67, 31800), (94, 31935), (105, 31974),

Gene: Marshmallow_33 Start: 31145, Stop: 31528, Start Num: 42

Candidate Starts for Marshmallow_33:

(Start: 42 @31145 has 220 MA's), (55, 31223), (60, 31250), (67, 31313), (94, 31448), (105, 31487),

Gene: MasterPo_48 Start: 42309, Stop: 42845, Start Num: 39

Candidate Starts for MasterPo_48:

(22, 42126), (25, 42183), (26, 42186), (Start: 39 @42309 has 37 MA's), (63, 42465), (64, 42474), (66, 42498), (75, 42570), (82, 42597), (86, 42615), (91, 42648), (94, 42660), (98, 42678), (103, 42711),

Gene: Maxxinista_34 Start: 30614, Stop: 30997, Start Num: 42

Candidate Starts for Maxxinista_34:

(Start: 42 @30614 has 220 MA's), (55, 30692), (60, 30719), (67, 30782), (94, 30917), (105, 30956),

Gene: Megabear_37 Start: 37653, Stop: 38162, Start Num: 35

Candidate Starts for Megabear_37:

(28, 37626), (29, 37635), (Start: 35 @37653 has 8 MA's), (48, 37770), (50, 37776), (53, 37785), (55, 37794), (62, 37833), (81, 37944), (82, 37953), (84, 37962), (86, 37971), (89, 37995), (92, 38007), (101, 38058), (106, 38076), (108, 38088),

Gene: Melville_29 Start: 24339, Stop: 24743, Start Num: 42

Candidate Starts for Melville_29:

(Start: 42 @24339 has 220 MA's), (85, 24597), (89, 24627), (99, 24669), (109, 24726),

Gene: MichelleMyBell_27 Start: 23327, Stop: 23731, Start Num: 42

Candidate Starts for MichelleMyBell_27:

(8, 22706), (9, 22709), (11, 22781), (14, 22802), (15, 22895), (16, 22922), (Start: 42 @23327 has 220 MA's), (85, 23585), (89, 23615), (99, 23657), (109, 23714),

Gene: Mindy_33 Start: 30925, Stop: 31308, Start Num: 42

Candidate Starts for Mindy_33:

(Start: 42 @30925 has 220 MA's), (55, 31003), (60, 31030), (67, 31093), (94, 31228), (105, 31267),

Gene: Miniwave_33 Start: 31344, Stop: 31727, Start Num: 42

Candidate Starts for Miniwave_33:

(Start: 42 @31344 has 220 MA's), (55, 31422), (60, 31449), (67, 31512), (94, 31647), (105, 31686),

Gene: Minnow_42 Start: 39818, Stop: 40339, Start Num: 30

Candidate Starts for Minnow_42:

(Start: 30 @39818 has 2 MA's), (33, 39839), (38, 39866), (43, 39914), (46, 39947), (55, 39983), (61, 40019), (65, 40043), (66, 40064), (80, 40139), (81, 40142), (87, 40178), (98, 40232), (100, 40244), (103, 40262), (111, 40289),

Gene: Misfit_33 Start: 31234, Stop: 31617, Start Num: 42

Candidate Starts for Misfit_33:

(Start: 42 @31234 has 220 MA's), (55, 31312), (60, 31339), (67, 31402), (94, 31537), (105, 31576),

Gene: Moldemort_34 Start: 30889, Stop: 31272, Start Num: 42

Candidate Starts for Moldemort_34:

(Start: 42 @30889 has 220 MA's), (55, 30967), (60, 30994), (67, 31057), (94, 31192), (105, 31231),

Gene: MollyToe_33 Start: 31318, Stop: 31701, Start Num: 42

Candidate Starts for MollyToe_33:

(Start: 42 @31318 has 220 MA's), (55, 31396), (60, 31423), (67, 31486), (94, 31621), (105, 31660),

Gene: Mosby_32 Start: 30651, Stop: 31034, Start Num: 42

Candidate Starts for Mosby_32:

(Start: 42 @30651 has 220 MA's), (55, 30729), (60, 30756), (67, 30819), (94, 30954), (105, 30993),

Gene: Murica_32 Start: 31131, Stop: 31514, Start Num: 42

Candidate Starts for Murica_32:

(Start: 42 @31131 has 220 MA's), (55, 31209), (60, 31236), (67, 31299), (94, 31434), (105, 31473),

Gene: Murphy_34 Start: 31126, Stop: 31509, Start Num: 42

Candidate Starts for Murphy_34:

(Start: 42 @31126 has 220 MA's), (55, 31204), (60, 31231), (67, 31294), (94, 31429), (105, 31468),

Gene: MyraDee_8 Start: 4622, Stop: 5008, Start Num: 42

Candidate Starts for MyraDee_8:

(Start: 42 @4622 has 220 MA's), (55, 4700), (56, 4703), (73, 4838), (84, 4877),

Gene: Myrale_33 Start: 31010, Stop: 31393, Start Num: 42

Candidate Starts for Myrale_33:

(Start: 42 @31010 has 220 MA's), (55, 31088), (60, 31115), (67, 31178), (94, 31313), (105, 31352),

Gene: Myxus_12 Start: 7723, Stop: 8109, Start Num: 42

Candidate Starts for Myxus_12:

(34, 7648), (Start: 42 @7723 has 220 MA's), (68, 7894), (79, 7954),

Gene: Nala_33 Start: 31165, Stop: 31548, Start Num: 42

Candidate Starts for Nala_33:

(Start: 42 @31165 has 220 MA's), (55, 31243), (60, 31270), (67, 31333), (94, 31468), (105, 31507),

Gene: NelitzaMV_33 Start: 31215, Stop: 31598, Start Num: 42

Candidate Starts for NelitzaMV_33:

(Start: 42 @31215 has 220 MA's), (55, 31293), (60, 31320), (94, 31518), (105, 31557),

Gene: Nenae_26 Start: 23389, Stop: 23793, Start Num: 42

Candidate Starts for Nenae_26:

(8, 22768), (9, 22771), (11, 22843), (14, 22864), (15, 22957), (16, 22984), (Start: 42 @23389 has 220 MA's), (67, 23563), (104, 23752),

Gene: Nimrod_33 Start: 31389, Stop: 31772, Start Num: 42

Candidate Starts for Nimrod_33:

(Start: 42 @31389 has 220 MA's), (55, 31467), (60, 31494), (67, 31557), (94, 31692), (105, 31731),

Gene: NoSleep_34 Start: 30886, Stop: 31269, Start Num: 42

Candidate Starts for NoSleep_34:

(Start: 42 @30886 has 220 MA's), (55, 30964), (60, 30991), (67, 31054), (94, 31189), (105, 31228),

Gene: NonchalantPear_33 Start: 30839, Stop: 31222, Start Num: 42

Candidate Starts for NonchalantPear_33:

(Start: 42 @30839 has 220 MA's), (55, 30917), (60, 30944), (67, 31007), (94, 31142), (105, 31181),

Gene: Odin_10 Start: 5885, Stop: 6283, Start Num: 41

Candidate Starts for Odin_10:

(Start: 41 @5885 has 1 MA's), (Start: 42 @5888 has 220 MA's), (80, 6128), (83, 6146), (96, 6212), (101, 6230),

Gene: Onglai_11 Start: 6089, Stop: 6475, Start Num: 42

Candidate Starts for Onglai_11:

(34, 6014), (Start: 42 @6089 has 220 MA's), (68, 6260), (79, 6320),

Gene: Opia_48 Start: 42295, Stop: 42828, Start Num: 39

Candidate Starts for Opia_48:

(22, 42112), (25, 42169), (26, 42172), (Start: 39 @42295 has 37 MA's), (63, 42451), (64, 42460), (66, 42484), (75, 42553), (82, 42580), (86, 42598), (91, 42631), (94, 42643), (98, 42661), (103, 42694),

Gene: OrionPax_34 Start: 30892, Stop: 31275, Start Num: 42

Candidate Starts for OrionPax_34:

(Start: 42 @30892 has 220 MA's), (55, 30970), (60, 30997), (67, 31060), (94, 31195), (105, 31234),

Gene: PR_37 Start: 38257, Stop: 38766, Start Num: 35

Candidate Starts for PR_37:

(28, 38230), (29, 38239), (Start: 35 @38257 has 8 MA's), (48, 38374), (50, 38380), (53, 38389), (55, 38398), (62, 38437), (81, 38548), (82, 38557), (84, 38566), (86, 38575), (89, 38599), (92, 38611), (101, 38662), (106, 38680), (108, 38692),

Gene: PackMan_12 Start: 7723, Stop: 8109, Start Num: 42

Candidate Starts for PackMan_12:

(34, 7648), (Start: 42 @7723 has 220 MA's), (68, 7894), (79, 7954),

Gene: PaddyBaddy_34 Start: 30902, Stop: 31285, Start Num: 42

Candidate Starts for PaddyBaddy_34:

(Start: 42 @30902 has 220 MA's), (55, 30980), (60, 31007), (67, 31070), (94, 31205), (105, 31244),

Gene: Palpatine_33 Start: 31161, Stop: 31544, Start Num: 42

Candidate Starts for Palpatine_33:

(Start: 42 @31161 has 220 MA's), (55, 31239), (60, 31266), (67, 31329), (94, 31464), (105, 31503),

Gene: Panchino_26 Start: 23349, Stop: 23753, Start Num: 40

Candidate Starts for Panchino_26:

(Start: 40 @23349 has 4 MA's), (Start: 42 @23355 has 220 MA's), (61, 23469), (85, 23607), (104, 23712), (109, 23736),

Gene: Paperbeatsrock_35 Start: 32127, Stop: 32510, Start Num: 42

Candidate Starts for Paperbeatsrock_35:

(Start: 42 @32127 has 220 MA's), (55, 32205), (60, 32232), (67, 32295), (94, 32430), (105, 32469),

Gene: Parmesanjohn_29 Start: 24339, Stop: 24743, Start Num: 42

Candidate Starts for Parmesanjohn_29:

(Start: 42 @24339 has 220 MA's), (85, 24597), (89, 24627), (99, 24669), (109, 24726),

Gene: Pat3_32 Start: 29873, Stop: 30256, Start Num: 42

Candidate Starts for Pat3_32:

(Start: 42 @29873 has 220 MA's), (55, 29951), (60, 29978), (67, 30041), (94, 30176), (105, 30215),

Gene: Petra64142_35 Start: 31607, Stop: 31990, Start Num: 42

Candidate Starts for Petra64142_35:

(Start: 42 @31607 has 220 MA's), (55, 31685), (60, 31712), (67, 31775), (94, 31910), (105, 31949),

Gene: Ph8s_12 Start: 5847, Stop: 6245, Start Num: 42

Candidate Starts for Ph8s_12:

(Start: 42 @5847 has 220 MA's), (80, 6087), (83, 6105), (96, 6171), (101, 6189),

Gene: Phaeder_12 Start: 7723, Stop: 8109, Start Num: 42

Candidate Starts for Phaeder_12:

(34, 7648), (Start: 42 @7723 has 220 MA's), (68, 7894), (79, 7954),

Gene: Phaja_33 Start: 31323, Stop: 31706, Start Num: 42

Candidate Starts for Phaja_33:

(Start: 42 @31323 has 220 MA's), (55, 31401), (60, 31428), (67, 31491), (94, 31626), (105, 31665),

Gene: PhancyPhin_26 Start: 23386, Stop: 23790, Start Num: 42

Candidate Starts for PhancyPhin_26:

(8, 22765), (9, 22768), (11, 22840), (14, 22861), (15, 22954), (16, 22981), (Start: 42 @23386 has 220 MA's), (67, 23560), (104, 23749),

Gene: Phantasmagoria_48 Start: 42307, Stop: 42840, Start Num: 39

Candidate Starts for Phantasmagoria_48:

(22, 42124), (25, 42181), (26, 42184), (Start: 39 @42307 has 37 MA's), (63, 42463), (64, 42472), (66, 42496), (75, 42565), (82, 42592), (86, 42610), (91, 42643), (94, 42655), (98, 42673), (103, 42706),

Gene: Pharsalus_34 Start: 31927, Stop: 32310, Start Num: 42

Candidate Starts for Pharsalus_34:

(Start: 42 @31927 has 220 MA's), (55, 32005), (60, 32032), (67, 32095), (94, 32230), (105, 32269),

Gene: PhatBacter_33 Start: 31175, Stop: 31558, Start Num: 42

Candidate Starts for PhatBacter_33:

(Start: 42 @31175 has 220 MA's), (55, 31253), (60, 31280), (67, 31343), (94, 31478), (105, 31517),

Gene: Phaux_32 Start: 31173, Stop: 31556, Start Num: 42

Candidate Starts for Phaux_32:

(Start: 42 @31173 has 220 MA's), (55, 31251), (60, 31278), (67, 31341), (94, 31476), (105, 31515),

Gene: Philonius_29 Start: 24330, Stop: 24734, Start Num: 42

Candidate Starts for Philonius_29:

(8, 23709), (9, 23712), (11, 23784), (14, 23805), (Start: 42 @24330 has 220 MA's), (85, 24588), (89, 24618), (99, 24660), (109, 24717),

Gene: Phloss_26 Start: 23766, Stop: 24170, Start Num: 42

Candidate Starts for Phloss_26:

(Start: 42 @23766 has 220 MA's), (85, 24024), (89, 24054), (99, 24096), (109, 24153),

Gene: Phonnegut_12 Start: 7756, Stop: 8142, Start Num: 42

Candidate Starts for Phonnegut_12:

(34, 7681), (Start: 42 @7756 has 220 MA's), (68, 7927), (79, 7987),

Gene: Phrux_33 Start: 30888, Stop: 31271, Start Num: 42

Candidate Starts for Phrux_33:

(Start: 42 @30888 has 220 MA's), (55, 30966), (60, 30993), (67, 31056), (94, 31191), (105, 31230),

Gene: Pioneer_12 Start: 7756, Stop: 8142, Start Num: 42

Candidate Starts for Pioneer_12:

(34, 7681), (Start: 42 @7756 has 220 MA's), (68, 7927), (79, 7987),

Gene: Pipsqueaks_29 Start: 24339, Stop: 24743, Start Num: 42

Candidate Starts for Pipsqueaks_29:

(Start: 42 @24339 has 220 MA's), (85, 24597), (89, 24627), (99, 24669), (109, 24726),

Gene: Policronamos_33 Start: 31173, Stop: 31556, Start Num: 42

Candidate Starts for Policronamos_33:

(Start: 42 @31173 has 220 MA's), (55, 31251), (60, 31278), (67, 31341), (94, 31476), (105, 31515),

Gene: Porky_33 Start: 30984, Stop: 31367, Start Num: 42

Candidate Starts for Porky_33:

(Start: 42 @30984 has 220 MA's), (55, 31062), (60, 31089), (67, 31152), (94, 31287), (105, 31326),

Gene: PrinceCharming_48 Start: 42415, Stop: 42948, Start Num: 39

Candidate Starts for PrinceCharming_48:

(22, 42232), (25, 42289), (26, 42292), (Start: 39 @42415 has 37 MA's), (63, 42571), (64, 42580), (66, 42604), (75, 42673), (82, 42700), (86, 42718), (91, 42751), (94, 42763), (98, 42781), (103, 42814),

Gene: Priya_12 Start: 7754, Stop: 8140, Start Num: 42

Candidate Starts for Priya_12:

(34, 7679), (Start: 42 @7754 has 220 MA's), (68, 7925), (79, 7985),

Gene: Ptowny_34 Start: 30529, Stop: 30912, Start Num: 42

Candidate Starts for Ptowny_34:

(Start: 42 @30529 has 220 MA's), (55, 30607), (60, 30634), (67, 30697), (94, 30832), (105, 30871),

Gene: Pumpkin_35 Start: 31224, Stop: 31607, Start Num: 42

Candidate Starts for Pumpkin_35:

(Start: 42 @31224 has 220 MA's), (55, 31302), (60, 31329), (67, 31392), (94, 31527), (105, 31566),

Gene: Purgamenstris_26 Start: 23389, Stop: 23793, Start Num: 42

Candidate Starts for Purgamenstris_26:

(8, 22768), (9, 22771), (11, 22843), (14, 22864), (15, 22957), (16, 22984), (Start: 42 @23389 has 220 MA's), (67, 23563), (104, 23752),

Gene: Purky_27 Start: 24726, Stop: 25124, Start Num: 40

Candidate Starts for Purky_27:

(Start: 40 @24726 has 4 MA's), (Start: 42 @24732 has 220 MA's), (61, 24846), (67, 24900), (85, 24984), (91, 25023),

Gene: Qobbit_12 Start: 7753, Stop: 8139, Start Num: 42

Candidate Starts for Qobbit_12:

(34, 7678), (Start: 42 @7753 has 220 MA's), (68, 7924), (79, 7984),

Gene: Qualification_34 Start: 31353, Stop: 31736, Start Num: 42

Candidate Starts for Qualification_34:

(Start: 42 @31353 has 220 MA's), (55, 31431), (60, 31458), (67, 31521), (94, 31656), (105, 31695),

Gene: Qyrzula_45 Start: 42454, Stop: 42987, Start Num: 39

Candidate Starts for Qyrzula_45:

(22, 42271), (25, 42328), (26, 42331), (Start: 39 @42454 has 37 MA's), (63, 42610), (64, 42619), (66, 42643), (75, 42712), (77, 42718), (81, 42730), (82, 42739), (86, 42757), (91, 42790), (94, 42802), (98, 42820), (103, 42853),

Gene: Rakim_34 Start: 31253, Stop: 31636, Start Num: 42

Candidate Starts for Rakim_34:

(Start: 42 @31253 has 220 MA's), (55, 31331), (60, 31358), (67, 31421), (94, 31556), (105, 31595),

Gene: Raymond7_26 Start: 23716, Stop: 24120, Start Num: 42

Candidate Starts for Raymond7_26:

(8, 23095), (9, 23098), (11, 23170), (14, 23191), (15, 23284), (16, 23311), (23, 23533), (Start: 42 @23716 has 220 MA's), (67, 23890), (85, 23974), (104, 24079), (109, 24103),

Gene: Rebel_26 Start: 23178, Stop: 23582, Start Num: 42

Candidate Starts for Rebel_26:

(8, 22557), (9, 22560), (11, 22632), (14, 22653), (15, 22746), (16, 22773), (Start: 42 @23178 has 220 MA's), (85, 23436), (89, 23466), (99, 23508), (109, 23565),

Gene: Redi_26 Start: 23389, Stop: 23793, Start Num: 42

Candidate Starts for Redi_26:

(8, 22768), (9, 22771), (11, 22843), (14, 22864), (15, 22957), (16, 22984), (Start: 42 @23389 has 220 MA's), (67, 23563), (104, 23752),

Gene: Rhinoforte_48 Start: 42428, Stop: 42961, Start Num: 39

Candidate Starts for Rhinoforte_48:

(22, 42245), (25, 42302), (26, 42305), (Start: 39 @42428 has 37 MA's), (63, 42584), (64, 42593), (66, 42617), (75, 42686), (82, 42713), (86, 42731), (91, 42764), (94, 42776), (98, 42794), (103, 42827),

Gene: Rimmer_32 Start: 30713, Stop: 31096, Start Num: 42

Candidate Starts for Rimmer_32:

(Start: 42 @30713 has 220 MA's), (55, 30791), (60, 30818), (67, 30881), (94, 31016), (105, 31055),

Gene: Rinkes_48 Start: 43276, Stop: 43770, Start Num: 36

Candidate Starts for Rinkes_48:

(19, 43096), (Start: 36 @43276 has 1 MA's), (Start: 40 @43327 has 4 MA's), (58, 43432), (60, 43441), (70, 43522), (76, 43555), (78, 43561), (88, 43603), (95, 43636), (98, 43648), (102, 43675), (107, 43696), (110, 43708),

Gene: RiverMonster_33 Start: 30902, Stop: 31285, Start Num: 42

Candidate Starts for RiverMonster_33:

(Start: 42 @30902 has 220 MA's), (55, 30980), (60, 31007), (67, 31070), (94, 31205), (105, 31244),

Gene: Rosebush_47 Start: 42423, Stop: 42959, Start Num: 39

Candidate Starts for Rosebush_47:

(22, 42240), (25, 42297), (26, 42300), (Start: 39 @42423 has 37 MA's), (63, 42579), (64, 42588), (66, 42612), (75, 42684), (77, 42690), (81, 42702), (82, 42711), (86, 42729), (91, 42762), (94, 42774), (98, 42792), (103, 42825),

Gene: RyeScarlet_13 Start: 7759, Stop: 8145, Start Num: 42

Candidate Starts for RyeScarlet_13:

(34, 7684), (Start: 42 @7759 has 220 MA's), (68, 7930), (79, 7990),

Gene: Sabella_47 Start: 42300, Stop: 42833, Start Num: 39

Candidate Starts for Sabella_47:

(22, 42117), (25, 42174), (26, 42177), (Start: 39 @42300 has 37 MA's), (63, 42456), (64, 42465), (66, 42489), (75, 42558), (82, 42585), (86, 42603), (91, 42636), (94, 42648), (98, 42666), (103, 42699),

Gene: Sachima_10 Start: 7723, Stop: 8109, Start Num: 42

Candidate Starts for Sachima_10:

(34, 7648), (Start: 42 @7723 has 220 MA's), (68, 7894), (79, 7954),

Gene: Saints25_34 Start: 30805, Stop: 31188, Start Num: 42

Candidate Starts for Saints25_34:

(Start: 42 @30805 has 220 MA's), (55, 30883), (60, 30910), (67, 30973), (94, 31108), (105, 31147),

Gene: Sassay_32 Start: 30651, Stop: 31034, Start Num: 42

Candidate Starts for Sassay_32:

(Start: 42 @30651 has 220 MA's), (55, 30729), (60, 30756), (67, 30819), (94, 30954), (105, 30993),

Gene: Scherzo_12 Start: 7756, Stop: 8142, Start Num: 42

Candidate Starts for Scherzo_12:

(34, 7681), (Start: 42 @7756 has 220 MA's), (68, 7927), (79, 7987),

Gene: Schnauzer_29 Start: 24339, Stop: 24743, Start Num: 42

Candidate Starts for Schnauzer_29:

(Start: 42 @24339 has 220 MA's), (85, 24597), (89, 24627), (99, 24669), (109, 24726),

Gene: Scitech_26 Start: 23516, Stop: 23920, Start Num: 42

Candidate Starts for Scitech_26:

(Start: 42 @23516 has 220 MA's), (85, 23774), (89, 23804), (99, 23846), (109, 23903),

Gene: ShamWow_33 Start: 31147, Stop: 31530, Start Num: 42

Candidate Starts for ShamWow_33:

(Start: 42 @31147 has 220 MA's), (55, 31225), (60, 31252), (67, 31315), (94, 31450), (105, 31489),

Gene: SheaKeira_11 Start: 5924, Stop: 6310, Start Num: 42

Candidate Starts for SheaKeira_11:

(Start: 42 @5924 has 220 MA's), (72, 6137), (77, 6149), (85, 6182), (99, 6254),

Gene: ShereKhan_35 Start: 32130, Stop: 32513, Start Num: 42

Candidate Starts for ShereKhan_35:

(Start: 42 @32130 has 220 MA's), (55, 32208), (60, 32235), (67, 32298), (94, 32433), (105, 32472),

Gene: ShrimpFriedEgg_26 Start: 23389, Stop: 23793, Start Num: 42

Candidate Starts for ShrimpFriedEgg_26:

(8, 22768), (9, 22771), (11, 22843), (14, 22864), (15, 22957), (16, 22984), (Start: 42 @23389 has 220 MA's), (67, 23563), (104, 23752),

Gene: Shweta_26 Start: 23517, Stop: 23921, Start Num: 42

Candidate Starts for Shweta_26:

(8, 22896), (9, 22899), (11, 22971), (14, 22992), (15, 23085), (16, 23112), (Start: 42 @23517 has 220 MA's), (85, 23775), (89, 23805), (99, 23847), (109, 23904),

Gene: Silvafighter_29 Start: 24339, Stop: 24743, Start Num: 42

Candidate Starts for Silvafighter_29:

(Start: 42 @24339 has 220 MA's), (85, 24597), (89, 24627), (99, 24669), (109, 24726),

Gene: Silvy_29 Start: 24340, Stop: 24744, Start Num: 42

Candidate Starts for Silvy_29:

(Start: 42 @24340 has 220 MA's), (85, 24598), (89, 24628), (99, 24670), (109, 24727),

Gene: Simpliphy_34 Start: 30892, Stop: 31275, Start Num: 42

Candidate Starts for Simpliphy_34:

(Start: 42 @30892 has 220 MA's), (55, 30970), (60, 30997), (67, 31060), (94, 31195), (105, 31234),

Gene: SirDuracell_32 Start: 29812, Stop: 30195, Start Num: 42

Candidate Starts for SirDuracell_32:

(Start: 42 @29812 has 220 MA's), (55, 29890), (60, 29917), (67, 29980), (94, 30115), (105, 30154),

Gene: SkinnyPete_26 Start: 23379, Stop: 23783, Start Num: 42

Candidate Starts for SkinnyPete_26:

(Start: 42 @23379 has 220 MA's), (85, 23637), (89, 23667), (99, 23709), (109, 23766),

Gene: Smurph_29 Start: 24339, Stop: 24743, Start Num: 42

Candidate Starts for Smurph_29:

(Start: 42 @24339 has 220 MA's), (85, 24597), (89, 24627), (99, 24669), (109, 24726),

Gene: Snekmaggedon_26 Start: 23389, Stop: 23793, Start Num: 42

Candidate Starts for Snekmaggedon_26:

(8, 22768), (9, 22771), (11, 22843), (14, 22864), (15, 22957), (16, 22984), (Start: 42 @23389 has 220 MA's), (85, 23647), (89, 23677), (99, 23719), (109, 23776),

Gene: SophKB_33 Start: 31146, Stop: 31529, Start Num: 42

Candidate Starts for SophKB_33:

(Start: 42 @31146 has 220 MA's), (55, 31224), (60, 31251), (67, 31314), (94, 31449), (105, 31488),

Gene: SororFago_10 Start: 6135, Stop: 6521, Start Num: 42

Candidate Starts for SororFago_10:

(24, 5961), (27, 6003), (Start: 42 @6135 has 220 MA's), (67, 6303), (72, 6348), (80, 6369), (83, 6387), (85, 6393), (96, 6453), (97, 6456),

Gene: Sotrice96_33 Start: 31101, Stop: 31484, Start Num: 42

Candidate Starts for Sotrice96_33:

(Start: 42 @31101 has 220 MA's), (55, 31179), (60, 31206), (67, 31269), (94, 31404), (105, 31443),

Gene: Spinach_26 Start: 23389, Stop: 23793, Start Num: 42

Candidate Starts for Spinach_26:

(8, 22768), (9, 22771), (11, 22843), (14, 22864), (15, 22957), (16, 22984), (Start: 42 @23389 has 220 MA's), (67, 23563), (104, 23752),

Gene: SpongeBob_26 Start: 23389, Stop: 23793, Start Num: 42

Candidate Starts for SpongeBob_26:

(8, 22768), (9, 22771), (11, 22843), (14, 22864), (15, 22957), (16, 22984), (Start: 42 @23389 has 220 MA's), (85, 23647), (89, 23677), (99, 23719), (109, 23776),

Gene: Spouty_12 Start: 7753, Stop: 8139, Start Num: 42

Candidate Starts for Spouty_12:

(34, 7678), (Start: 42 @7753 has 220 MA's), (68, 7924), (79, 7984),

Gene: Squirty_27 Start: 23877, Stop: 24275, Start Num: 40

Candidate Starts for Squirty_27:

(Start: 40 @23877 has 4 MA's), (Start: 42 @23883 has 220 MA's), (47, 23934), (61, 23997), (67, 24051), (85, 24135), (89, 24165), (102, 24228),

Gene: Stank_36 Start: 31653, Stop: 32036, Start Num: 42

Candidate Starts for Stank_36:

(Start: 42 @31653 has 220 MA's), (55, 31731), (60, 31758), (67, 31821), (94, 31956), (105, 31995),

Gene: Stark_34 Start: 30905, Stop: 31288, Start Num: 42

Candidate Starts for Stark_34:

(Start: 42 @30905 has 220 MA's), (55, 30983), (60, 31010), (67, 31073), (94, 31208), (105, 31247),

Gene: StellaBean_33 Start: 31146, Stop: 31529, Start Num: 42

Candidate Starts for StellaBean_33:

(Start: 42 @31146 has 220 MA's), (55, 31224), (60, 31251), (67, 31314), (94, 31449), (105, 31488),

Gene: StolenFromERC_35 Start: 31137, Stop: 31520, Start Num: 42

Candidate Starts for StolenFromERC_35:

(Start: 42 @31137 has 220 MA's), (55, 31215), (60, 31242), (67, 31305), (94, 31440), (105, 31479),

Gene: StormChicken_33 Start: 31321, Stop: 31704, Start Num: 42

Candidate Starts for StormChicken_33:

(Start: 42 @31321 has 220 MA's), (55, 31399), (60, 31426), (67, 31489), (94, 31624), (105, 31663),

Gene: Sunhee_10 Start: 6154, Stop: 6540, Start Num: 42

Candidate Starts for Sunhee_10:

(Start: 42 @6154 has 220 MA's), (67, 6322), (69, 6328), (80, 6388), (83, 6406), (85, 6412), (96, 6472), (97, 6475),

Gene: Superchunk_10 Start: 5746, Stop: 6141, Start Num: 42

Candidate Starts for Superchunk_10:

(Start: 42 @5746 has 220 MA's), (80, 5986), (83, 6004), (96, 6070), (101, 6088),

Gene: SwirlSquare_12 Start: 5878, Stop: 6273, Start Num: 42

Candidate Starts for SwirlSquare_12:

(Start: 42 @5878 has 220 MA's), (47, 5932), (52, 5947), (74, 6100), (80, 6118), (83, 6136), (96, 6202), (101, 6220),

Gene: TA17A_49 Start: 42290, Stop: 42823, Start Num: 39

Candidate Starts for TA17A_49:

(22, 42107), (25, 42164), (26, 42167), (Start: 39 @42290 has 37 MA's), (63, 42446), (64, 42455), (66, 42479), (75, 42548), (82, 42575), (86, 42593), (91, 42626), (94, 42638), (98, 42656), (103, 42689),

Gene: TBrady12_35 Start: 31137, Stop: 31520, Start Num: 42

Candidate Starts for TBrady12_35:

(Start: 42 @31137 has 220 MA's), (55, 31215), (60, 31242), (67, 31305), (94, 31440), (105, 31479),

Gene: Tapioca_29 Start: 24339, Stop: 24743, Start Num: 42

Candidate Starts for Tapioca_29:

(Start: 42 @24339 has 220 MA's), (85, 24597), (89, 24627), (99, 24669), (109, 24726),

Gene: Taptic_37 Start: 37653, Stop: 38162, Start Num: 35

Candidate Starts for Taptic_37:

(28, 37626), (29, 37635), (Start: 35 @37653 has 8 MA's), (48, 37770), (50, 37776), (53, 37785), (55, 37794), (62, 37833), (81, 37944), (82, 37953), (84, 37962), (86, 37971), (89, 37995), (92, 38007), (101, 38058), (106, 38076), (108, 38088),

Gene: Tarkin_35 Start: 32136, Stop: 32519, Start Num: 42

Candidate Starts for Tarkin_35:

(Start: 42 @32136 has 220 MA's), (55, 32214), (60, 32241), (67, 32304), (94, 32439), (105, 32478),

Gene: TeamEdward_33 Start: 31318, Stop: 31701, Start Num: 42

Candidate Starts for TeamEdward_33:

(Start: 42 @31318 has 220 MA's), (55, 31396), (60, 31423), (67, 31486), (94, 31621), (105, 31660),

Gene: TeardropMSU_32 Start: 31047, Stop: 31430, Start Num: 42

Candidate Starts for TeardropMSU_32:

(Start: 42 @31047 has 220 MA's), (55, 31125), (60, 31152), (67, 31215), (94, 31350), (105, 31389),

Gene: Teaspoon_34 Start: 31100, Stop: 31483, Start Num: 42

Candidate Starts for Teaspoon_34:

(Start: 42 @31100 has 220 MA's), (55, 31178), (60, 31205), (67, 31268), (94, 31403), (105, 31442),

Gene: Terminus_33 Start: 31234, Stop: 31617, Start Num: 42

Candidate Starts for Terminus_33:

(Start: 42 @31234 has 220 MA's), (55, 31312), (60, 31339), (67, 31402), (94, 31537), (105, 31576),

Gene: Tessdabest_28 Start: 24336, Stop: 24740, Start Num: 42

Candidate Starts for Tessdabest_28:

(Start: 42 @24336 has 220 MA's), (85, 24594), (89, 24624), (99, 24666), (109, 24723),

Gene: Thimble_33 Start: 30097, Stop: 30480, Start Num: 42

Candidate Starts for Thimble_33:

(Start: 42 @30097 has 220 MA's), (55, 30175), (60, 30202), (67, 30265), (94, 30400), (105, 30439),

Gene: Thresher_34 Start: 31901, Stop: 32284, Start Num: 42

Candidate Starts for Thresher_34:

(Start: 42 @31901 has 220 MA's), (55, 31979), (60, 32006), (67, 32069), (94, 32204), (105, 32243),

Gene: Tinciduntolum_49 Start: 42434, Stop: 42970, Start Num: 39

Candidate Starts for Tinciduntolum_49:

(22, 42251), (25, 42308), (26, 42311), (Start: 39 @42434 has 37 MA's), (63, 42590), (64, 42599), (66, 42623), (75, 42695), (77, 42701), (81, 42713), (82, 42722), (86, 42740), (91, 42773), (94, 42785), (98, 42803), (103, 42836),

Gene: Toaka_10 Start: 6100, Stop: 6489, Start Num: 42

Candidate Starts for Toaka_10:

(34, 6025), (Start: 42 @6100 has 220 MA's), (67, 6268), (83, 6355), (85, 6361),

Gene: Tomaszewski_32 Start: 30744, Stop: 31127, Start Num: 42

Candidate Starts for Tomaszewski_32:

(Start: 42 @30744 has 220 MA's), (55, 30822), (60, 30849), (67, 30912), (94, 31047), (105, 31086),

Gene: Tortellini_27 Start: 25084, Stop: 25476, Start Num: 42

Candidate Starts for Tortellini_27:

(3, 23986), (4, 24166), (5, 24202), (10, 24529), (12, 24547), (13, 24550), (Start: 40 @25078 has 4 MA's), (Start: 42 @25084 has 220 MA's), (61, 25198), (67, 25252), (85, 25336), (91, 25375), (102, 25429),

Gene: Tortoise12_29 Start: 24339, Stop: 24743, Start Num: 42

Candidate Starts for Tortoise12_29:

(Start: 42 @24339 has 220 MA's), (85, 24597), (89, 24627), (99, 24669), (109, 24726),

Gene: Toto_33 Start: 31147, Stop: 31530, Start Num: 42

Candidate Starts for Toto_33:

(Start: 42 @31147 has 220 MA's), (55, 31225), (60, 31252), (67, 31315), (94, 31450), (105, 31489),

Gene: Traaww1_31 Start: 30785, Stop: 31168, Start Num: 42

Candidate Starts for Traaww1_31:

(Start: 42 @30785 has 220 MA's), (55, 30863), (60, 30890), (67, 30953), (94, 31088), (105, 31127),

Gene: Tres_48 Start: 42303, Stop: 42836, Start Num: 39

Candidate Starts for Tres_48:

(22, 42120), (25, 42177), (26, 42180), (Start: 39 @42303 has 37 MA's), (63, 42459), (64, 42468), (66, 42492), (75, 42561), (82, 42588), (86, 42606), (91, 42639), (94, 42651), (98, 42669), (103, 42702),

Gene: Tubs_12 Start: 7723, Stop: 8109, Start Num: 42

Candidate Starts for Tubs_12:

(34, 7648), (Start: 42 @7723 has 220 MA's), (68, 7894), (79, 7954),

Gene: Tuco_34 Start: 31655, Stop: 32038, Start Num: 42

Candidate Starts for Tuco_34:

(Start: 42 @31655 has 220 MA's), (55, 31733), (60, 31760), (67, 31823), (94, 31958), (105, 31997),

Gene: Ugenie5_9 Start: 7756, Stop: 8142, Start Num: 42

Candidate Starts for Ugenie5_9:

(34, 7681), (Start: 42 @7756 has 220 MA's), (68, 7927), (79, 7987),

Gene: Ukulele_33 Start: 30905, Stop: 31288, Start Num: 42

Candidate Starts for Ukulele_33:

(Start: 42 @30905 has 220 MA's), (55, 30983), (60, 31010), (67, 31073), (94, 31208), (105, 31247),

Gene: Vanisoa_10 Start: 5811, Stop: 6197, Start Num: 42

Candidate Starts for Vanisoa_10:

(34, 5736), (Start: 42 @5811 has 220 MA's), (49, 5871), (67, 5979), (71, 6012),

Gene: Vic9_00047 Start: 42812, Stop: 43345, Start Num: 39

Candidate Starts for Vic9_00047:

(22, 42629), (25, 42686), (26, 42689), (Start: 39 @42812 has 37 MA's), (63, 42968), (64, 42977), (66, 43001), (75, 43070), (82, 43097), (86, 43115), (91, 43148), (94, 43160), (98, 43178), (103, 43211),

Gene: WST1_27 Start: 22231, Stop: 22629, Start Num: 40

Candidate Starts for WST1_27:

(Start: 40 @22231 has 4 MA's), (Start: 42 @22237 has 220 MA's), (47, 22288), (61, 22351), (67, 22405), (85, 22489), (91, 22528),

Gene: West99_48 Start: 42423, Stop: 42956, Start Num: 39

Candidate Starts for West99_48:

(22, 42240), (25, 42297), (26, 42300), (Start: 39 @42423 has 37 MA's), (63, 42579), (64, 42588), (66, 42612), (75, 42681), (82, 42708), (86, 42726), (91, 42759), (94, 42771), (98, 42789), (103, 42822),

Gene: Wiggin_36 Start: 31651, Stop: 32034, Start Num: 42

Candidate Starts for Wiggin_36:

(Start: 42 @31651 has 220 MA's), (55, 31729), (60, 31756), (67, 31819), (94, 31954), (105, 31993),

Gene: Willez_32 Start: 30651, Stop: 31034, Start Num: 42

Candidate Starts for Willez_32:

(Start: 42 @30651 has 220 MA's), (55, 30729), (60, 30756), (67, 30819), (94, 30954), (105, 30993),

Gene: Willsammy_27 Start: 24742, Stop: 25143, Start Num: 40

Candidate Starts for Willsammy_27:

(Start: 40 @24742 has 4 MA's), (Start: 42 @24748 has 220 MA's), (61, 24862), (67, 24916), (85, 25000), (91, 25039), (102, 25096),

Gene: Xandras_35 Start: 31137, Stop: 31520, Start Num: 42

Candidate Starts for Xandras_35:

(Start: 42 @31137 has 220 MA's), (55, 31215), (60, 31242), (67, 31305), (94, 31440), (105, 31479),

Gene: Xeno_28 Start: 24105, Stop: 24509, Start Num: 42

Candidate Starts for Xeno_28:

(Start: 42 @24105 has 220 MA's), (85, 24363), (89, 24393), (99, 24435), (109, 24492),

Gene: Xerxes_29 Start: 24336, Stop: 24740, Start Num: 42

Candidate Starts for Xerxes_29:

(Start: 42 @24336 has 220 MA's), (85, 24594), (89, 24624), (99, 24666), (109, 24723),

Gene: YassJohnny_34 Start: 31662, Stop: 32045, Start Num: 42

Candidate Starts for YassJohnny_34:

(Start: 42 @31662 has 220 MA's), (55, 31740), (60, 31767), (67, 31830), (94, 31965), (105, 32004),

Gene: Youngblood_33 Start: 31307, Stop: 31690, Start Num: 42

Candidate Starts for Youngblood_33:

(Start: 42 @31307 has 220 MA's), (55, 31385), (60, 31412), (67, 31475), (94, 31610), (105, 31649),

Gene: xkcd_34 Start: 31316, Stop: 31699, Start Num: 42

Candidate Starts for xkcd_34:

(Start: 42 @31316 has 220 MA's), (55, 31394), (60, 31421), (67, 31484), (94, 31619), (105, 31658),