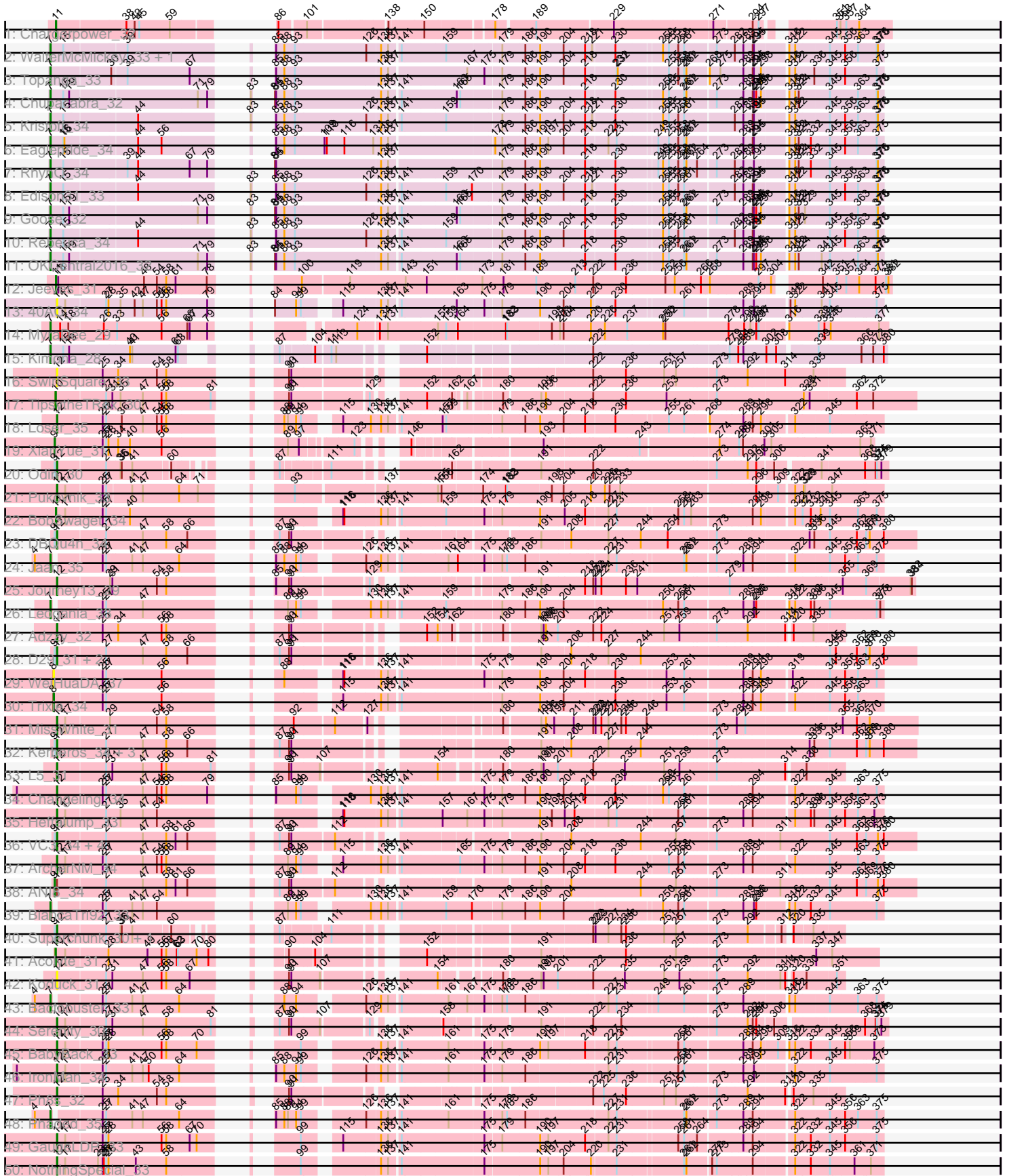


Pham 169625



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 169625 Report

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

Pham number 169625 has 361 members, 18 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_32
- Track 2 : WalterMcMickey_33, Twister_33
- Track 3 : Topanga_33
- Track 4 : Chupacabra_32
- Track 5 : Kristoff_34
- Track 6 : Eaglepride_34
- Track 7 : RhynO_34
- Track 8 : Edison31_33
- Track 9 : Goose_32
- Track 10 : Rebeuca_34
- Track 11 : OKCentral2016_32
- Track 12 : Jeeves_31
- Track 13 : 40AC_34
- Track 14 : MyraDee_29
- Track 15 : Kimona_28
- Track 16 : SwirlSquare_33
- Track 17 : TipsytheTRex_30
- Track 18 : Loser_35
- Track 19 : XianYue_31
- Track 20 : Odin_30
- Track 21 : Pukovnik_33
- Track 22 : BobSwaget_34
- Track 23 : DBQu4n_34
- Track 24 : Jaan_35
- Track 25 : Journey13_29
- Track 26 : Leogania_33
- Track 27 : Adzzy_32
- Track 28 : D29_31, D32_34, Naji_34
- Track 29 : WeiHuaDA_37
- Track 30 : Trixie_34
- Track 31 : MissWhite_31
- Track 32 : Kerberos_34, StarStuff_34, Tomathan_34, Duplo_34
- Track 33 : L5_31
- Track 34 : Changeling_34
- Track 35 : Heffalump_33
- Track 36 : VC3_34, AN3_31, VA6_31, C3_29, AN9_34
- Track 37 : ArcherNM_34

- Track 38 : ANI8_34
- Track 39 : BiancaTri92_33
- Track 40 : Superchunk_30, Caraxes_30
- Track 41 : Acolyte_31
- Track 42 : Koduck_31
- Track 43 : Bactobuster_33
- Track 44 : Serenity_30
- Track 45 : BabyBack_33
- Track 46 : IronMan_34
- Track 47 : Ph8s_32
- Track 48 : Phaded_35
- Track 49 : GaugeLDP_33
- Track 50 : NothingSpecial_33
- Track 51 : Che12_33
- Track 52 : Malec_32
- Track 53 : NicoleTera_35
- Track 54 : Lokk_34
- Track 55 : Kalpine_34
- Track 56 : EZMoney23_35
- Track 57 : Miko_34
- Track 58 : Jsquared_30
- Track 59 : Colin_35
- Track 60 : RedRock_35
- Track 61 : Landor_33
- Track 62 : Rachaly_34
- Track 63 : AnnaL29_35
- Track 64 : Pomar16_34
- Track 65 : Texage_31, Hookmount_32, Norbert_31, Panamaxus_31, Lambert1_32, Noella_32, Popcicle_32, Caviar_32, Pocahontas_32
- Track 66 : Vix_33, Microwolf_33, Dieselweasel_33, MuchMore_35, DaHudson_33, Colbster_33, Phoebe_33, Grum1_33, JHC117_33, GtownJaz_33, AugsMagnumOpus_35, EpicPhail_33, Aglet_33, MarQuardt_33, GingkoMaracino_33, Snickers_33, Pembroke_33, Cullens_33, Malinsilva_35, Stagni_33, Penny1_33, Fernando_33, Sabia_33, Lilith_33, Mainiac_33, Watson_33, Wooldri_35, Anubis_35, P28Green_33, Taurus_33, JenCasNa_33, SoYo_33, Grub_33, LBerry_33, Beauxregard13_33, MoneyMay_33, Marie_33, Sabinator_33, Hercules11_33, MadMarie_33, StepMih_33, PGHhamlin_35, PotatoSplit_34, Farber_33, Ollie_33, BreSam8_33, LugYA_35
- Track 67 : Heathen_31, Fred313_31, Scout_31, HelDan_31
- Track 68 : Kalb97_34
- Track 69 : Reba_34, Phranny_34
- Track 70 : Manu_34, Groupthink_34, PurpleHaze_33, Pawn_34, Marius_34, Heliosoles_33, Gemma_33
- Track 71 : QuinnKiro_31, Veracruz_31, Todacoro_32
- Track 72 : BabyRay_31
- Track 73 : Soshari_35, Methuselah_32
- Track 74 : Grif_33
- Track 75 : Kalnoky_34, JeppNRM_34
- Track 76 : Giroux_31, TNguyen7_31, Idleandcovert_31, BlueBird_32, Bugatti_31, SaturnRing_31, Pistachio_32, Puppy_32
- Track 77 : B1_29
- Track 78 : Isca_31
- Track 79 : MA5_31

- Track 80 : Phoxy_33, Bxz2_32, LarryKay_33, Rummer_33, HashRod_34, Louie6_33, BuzzBuzz_32, Misomonster_35, KADY_34, Daishi_32, AgronaGT15_33
- Track 81 : Tiffany_33
- Track 82 : Margo_32
- Track 83 : Jobu08_33
- Track 84 : JF2_31, JF4_31
- Track 85 : ResDef_32
- Track 86 : Spike509_33
- Track 87 : Zetzy_32
- Track 88 : HaveUMetTed_34, ACFishhook_33
- Track 89 : MK4_31
- Track 90 : SoilDragon_33
- Track 91 : Rockstar_31
- Track 92 : PhishRPhriends_32
- Track 93 : OlanP_33
- Track 94 : Phantastic_31
- Track 95 : HamSlice_30, Relief_31, LappelDuVide_30, TroyPia_31, Pipcraft_31, Eapen_31, Citius_31, Lunsford_32
- Track 96 : Morpher26_31, Datway_31, Katalie136_31, AbbysRanger_31, Achebe_30, PetiteSangsue_31, Perplexer_31, Backyardigan_31, Badger_31, Bumblebee11_31, Xena_31, Cici_31
- Track 97 : Stasia_32
- Track 98 : Pumbaa_31
- Track 99 : Bartimeaus_31, Wilbur_31, Ruin_31, TygerBlood_31, Albee_31, JoongJeon_31, Flux_31, Melvin_31, Bombshell_31, TiroTheta9_31, Sabertooth_31, Millski_30, Deano_31, CentreCat_31, Thanksgivukkah_31, Lemur_31, LittleB_31, Druantia_31, Holli_31, Skipitt_31, Kingmustik0402_31, Roosevelt_31, Phelipe_31, Taquarus_31, Baby16_31, Commander_31, Chaph_31, Romney_31, Peaches_31, JetBlade_31, Connomayer_31, Florean_31, Dhanush_31, Wizard007_31, Medusa_31, Blackmoor_31, Burger_30, Eros_31, Clarenza_31, YoSam321_31
- Track 100 : Bruiser_30, Koreni_30, Avle17_31, Alberto7_32, Nemo27_31, Caelakin_31, Wander_31, Spino_31, Cocoaberry_31, Maverick_31, Phacado_31, Gadost_31, Houdini22_31
- Track 101 : Arturo_30
- Track 102 : Wile_31
- Track 103 : Stink_32, AvatarAhPeg_32, Miramae_31
- Track 104 : Annyong_31, BubbleTrouble_31, Kyee_31, KFPoly_31, MeeZee_31
- Track 105 : Sparxx_31, Maxo_31, Kampy_31
- Track 106 : LochMonster_31, Phighter1804_31, DirtyDunning_31, Ulysses_30, Iracema64_32
- Track 107 : Mazhar510_31, PeterPeter_31, Lorenzo_31, Shaka_31, ICleared_31
- Track 108 : OKaNui_32
- Track 109 : Abdiel_30
- Track 110 : Cintron_31
- Track 111 : Broseidon_31
- Track 112 : SheldonCooper_32, Obama12_32, Eagle_30, LHTSCC_32, BangNhom_31, Cerulean_32
- Track 113 : Tinybot_30
- Track 114 : TinaFeyge_31, NorthStar_31
- Track 115 : Kratark_31
- Track 116 : Camperdownii_30
- Track 117 : Cindaradix_30
- Track 118 : Mundrea_31

- Track 119 : Eris_30, Funston_31
- Track 120 : Phontbonne_31
- Track 121 : Noelle_31
- Track 122 : Jaykayelowell_31
- Track 123 : ChampagnePapi_32
- Track 124 : Scamp_31
- Track 125 : BellusTerra_31, Eurydice_31, Ohfah_31, Nebs_31, Polymorphads_31
- Track 126 : Kremtemulon_30
- Track 127 : Nyxis_31
- Track 128 : Iceman_32
- Track 129 : Shygu2_31
- Track 130 : LeoAvram_31
- Track 131 : LittleGuy_31
- Track 132 : NotAPhaseMom_31
- Track 133 : Morrow_31
- Track 134 : Happiness_31
- Track 135 : Palestino_30
- Track 136 : Tubs_33, Aliter_33, Ugenie5_30, Fayely_33, Myxus_33, HortumSL17_33, Catalina_34, PackMan_33, Phaeder_33, Scherzo_33
- Track 137 : Yecey3_32
- Track 138 : EmyBug_33, Eidsmoe_33, Conquerage_33, Spouty_32, Qobbit_33, Priya_33, ExplosioNervosa_33
- Track 139 : Maminiaina_32, BogosyJay_32
- Track 140 : LoneWolf_32
- Track 141 : Rahalelujah_30
- Track 142 : Phonnegut_33, Beemo_33, Pioneer_33
- Track 143 : Toaka_30
- Track 144 : Darrell_33
- Track 145 : Alma_33
- Track 146 : Elephantoon_32
- Track 147 : SheaKeira_31
- Track 148 : Charm_31
- Track 149 : DreamTeam1_31

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

The start number called the most often in the published annotations is 7, it was called in 153 of the 343 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbysRanger_31, Abdiel_30, Achebe_30, Albee_31, Alberto7_32, Annyong_31, Arturo_30, AvatarAhPeg_32, Avle17_31, Baby16_31, Backyardigan_31, Bactobuster_33, Badger_31, BangNhom_31, Bartimeaus_31, BellusTerra_31, BiancaTri92_33, Blackmoor_31, Bombshell_31, Broseidon_31, Bruiser_30, BubbleTrouble_31, Bumblebee11_31, Burger_30, Caelakin_31, Camperdownii_30, CentreCat_31, Cerulean_32, ChampagnePapi_32, Chaph_31, Chupacabra_32, Cici_31, Cindaradix_30, Cintron_31, Citius_31, Clarenza_31, Cocoaberry_31, Commander_31, Connomayer_31, Datway_31, Deano_31, Dhanush_31, DirtyDunning_31, Druantia_31, Eagle_30, Eaglepride_34, Eapen_31, Edison31_33, Eris_30, Eros_31, Eurydice_31, Florean_31, Flux_31, Funston_31, Gadost_31,

Goose_32, HamSlice_30, Happiness_31, Holli_31, Houdini22_31, ICleared_31, Iceman_32, Iracema64_32, Jaan_35, Jaykayelowell_31, JetBlade_31, JoongJeon_31, KFPoly_31, Kamy_31, Katalie136_31, Kimona_28, Kingmustik0402_31, Koreni_30, Kratak_31, Kremtemulon_30, Kristoff_34, Kyee_31, LHTSCC_32, LappelDuVide_30, Lemur_31, LeoAvram_31, Leogania_33, LittleB_31, LittleGuy_31, LochMonster_31, Lorenzo_31, Lunsford_32, Maverick_31, Maxo_31, Mazhar510_31, Medusa_31, MeeZee_31, Melvin_31, Millski_30, Miramae_31, Morpher26_31, Morrow_31, Mundrea_31, MyraDee_29, Nebs_31, Nemo27_31, Noelle_31, NorthStar_31, NotAPhaseMom_31, Nyxis_31, OKCentral2016_32, OKaNui_32, Obama12_32, Ohfah_31, Palestino_30, Peaches_31, Perplexer_31, PeterPeter_31, PetiteSangsue_31, Phacado_31, Phaded_35, Phelipe_31, Phighter1804_31, Phontbonne_31, Pipcraft_31, Polymorphads_31, Pumbaa_31, Rebeuca_34, Relief_31, RhynO_34, Romney_31, Roosevelt_31, Ruin_31, Sabertooth_31, Scamp_31, Shaka_31, SheldonCooper_32, Shygu2_31, Skipitt_31, Sparxx_31, Spino_31, Stasia_32, Stink_32, Taquarus_31, Thanksgivukkah_31, TinaFeyge_31, Tinybot_30, TiroTheta9_31, Topanga_33, TroyPia_31, Twister_33, TygerBlood_31, Ulysses_30, WalterMcMickey_33, Wander_31, Wilbur_31, Wile_31, Wizard007_31, Xena_31, YoSam321_31,

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

- Landor_33,

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

- 40AC_34, ACFishhook_33, AN3_31, AN9_34, ANI8_34, Acolyte_31, Adzzy_32, Aglet_33, AgronaGT15_33, Aliter_33, Alma_33, AnnaL29_35, Anubis_35, ArcherNM_34, AugsMagnumOpus_35, B1_29, BabyBack_33, BabyRay_31, Beauxregard13_33, Beemo_33, BlueBird_32, BobSwaget_34, BogosyJay_32, BreSam8_33, Bugatti_31, BuzzBuzz_32, Bxz2_32, C3_29, Caraxes_30, Catalina_34, Caviar_32, Changeling_34, Chargerpower_32, Charm_31, Che12_33, Colbster_33, Colin_35, Conquerage_33, Cullens_33, D29_31, D32_34, DBQu4n_34, DaHudson_33, Daishi_32, Darrell_33, Dieselweasel_33, DreamTeam1_31, Duplo_34, EZMoney23_35, Eidsmoe_33, Elephantoon_32, EmyBug_33, EpicPhail_33, ExplosioNervosa_33, Farber_33, Fayely_33, Fernando_33, Fred313_31, GaugeLDP_33, Gemma_33, GingkoMaracino_33, Giroux_31, Grif_33, Groupthink_34, Grub_33, Grum1_33, GtownJaz_33, HashRod_34, HaveUMetTed_34, Heathen_31, Heffalump_33, HelDan_31, Heliosoles_33, Hercules11_33, Hookmount_32, HortumSL17_33, Idleandcovert_31, IronMan_34, Isca_31, JF2_31, JF4_31, JHC117_33, Jeeves_31, JenCasNa_33, JeppNRM_34, Jobu08_33, Journey13_29, Jsquared_30, KADY_34, Kalb97_34, Kalnoky_34, Kalpine_34, Kerberos_34, Koduck_31, L5_31, LBerry_33, Lambert1_32, LarryKay_33, Lilith_33, Lokk_34, LoneWolf_32, Loser_35, Louie6_33, LugYA_35, MA5_31, MK4_31, MadMarie_33, Mainiac_33, Malec_32, Malinsilva_35, Maminiaina_32, Manu_34, MarQuardt_33, Margo_32, Marie_33, Marius_34, Methuselah_32, Microwolf_33, Miko_34, Misomonster_35, MissWhite_31, MoneyMay_33, MuchMore_35, Myxus_33, Naji_34, NicoleTera_35, Noella_32, Norbert_31, NothingSpecial_33, Odin_30, OlanP_33, Ollie_33, P28Green_33, PGHhamlin_35, PackMan_33, Panamaxus_31, Pawn_34, Pembroke_33, Penny1_33, Ph8s_32, Phaeder_33, Phantastic_31, PhishRPhriends_32, Phoebe_33, Phonnegut_33, Phoxy_33, Phranny_34, Pioneer_33, Pistachio_32, Pocahontas_32, Pomar16_34, Popcicle_32, PotatoSplit_34, Priya_33, Pukovnik_33, Puppy_32, PurpleHaze_33, Qobbit_33, QuinnKiro_31, Rachaly_34, Rahalelujah_30, Reba_34, RedRock_35, ResDef_32, Rockstar_31, Rummer_33, Sabia_33, Sabinator_33, SaturnRing_31, Scherzo_33, Scout_31, Serenity_30, SheaKeira_31, Snickers_33,

SoYo_33, SoilDragon_33, Soshari_35, Spike509_33, Spouty_32, Stagni_33, StarStuff_34, StepMih_33, Superchunk_30, SwirlSquare_33, TNguyen7_31, Taurus_33, Texage_31, Tiffany_33, TipsytheTRex_30, Toaka_30, Todacoro_32, Tomathan_34, Trixie_34, Tubs_33, Ugenie5_30, VA6_31, VC3_34, Veracruz_31, Vix_33, Watson_33, WeiHuaDA_37, Wooldri_35, XianYue_31, Yecey3_32, Zetzy_32,

Summary by start number:

Start 4:

- Found in 4 of 361 (1.1%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Landor_33 (A2),

Start 5:

- Found in 1 of 361 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 343
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phantastic_31 (A3),

Start 6:

- Found in 116 of 361 (32.1%) of genes in pham
- Manual Annotations of this start: 110 of 343
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ACFishhook_33 (A3), Aglet_33 (A3), AgronaGT15_33 (A3), Anubis_35 (A3), AugsMagnumOpus_35 (A3), B1_29 (A3), BabyRay_31 (A3), Beauxregard13_33 (A3), BlueBird_32 (A3), BreSam8_33 (A3), Bugatti_31 (A3), BuzzBuzz_32 (A3), Bxz2_32 (A3), Caviar_32 (A3), Colbster_33 (A3), Cullens_33 (A3), DaHudson_33 (A3), Daishi_32 (A3), Dieselweasel_33 (A3), EpicPhail_33 (A3), Farber_33 (A3), Fernando_33 (A3), Fred313_31 (A3), Gemma_33 (A3), GingkoMaracino_33 (A3), Giroux_31 (A3), Grif_33 (A3), Groupthink_34 (A3), Grub_33 (A3), Grum1_33 (A3), GtownJaz_33 (A3), HashRod_34 (A3), HaveUMetTed_34 (A3), Heathen_31 (A3), HelDan_31 (A3), Heliosoles_33 (A3), Hercules11_33 (A3), Hookmount_32 (A3), Idleandcovert_31 (A3), Isca_31 (A3), JF2_31 (A3), JF4_31 (A3), JHC117_33 (A3), JenCasNa_33 (A3), JeppNRM_34 (A3), Jobu08_33 (A3), KADY_34 (A3), Kalb97_34 (A3), Kalnoky_34 (A3), LBerry_33 (A3), Lambert1_32 (A3), LarryKay_33 (A3), Lilith_33 (A3), Louie6_33 (A3), LugYA_35 (A3), MA5_31 (A3), MK4_31 (A3), MadMarie_33 (A3), Mainiac_33 (A3), Malinsilva_35 (A3), Manu_34 (A3), MarQuardt_33 (A3), Margo_32 (A3), Marie_33 (A3), Marius_34 (A3), Methuselah_32 (A3), Microwolf_33 (A3), Misomonster_35 (A3), MoneyMay_33 (A3), MuchMore_35 (A3), Noella_32 (A3), Norbert_31 (A3), OlanP_33 (A3), Ollie_33 (A3), P28Green_33 (A3), PGHhamlin_35 (A3), Panamaxus_31 (A3), Pawn_34 (A3), Pembroke_33 (A3), Penny1_33 (A3), PhishRPhriends_32 (A3), Phoebe_33 (A3), Phoxy_33 (A3), Phranny_34 (A3), Pistachio_32 (A3), Pocahontas_32 (A3), Popcicle_32 (A3), PotatoSplit_34 (A3), Puppy_32 (A3), PurpleHaze_33 (A3), QuinnKiro_31 (A3), Reba_34 (A3), ResDef_32 (A3), Rockstar_31 (A3), Rummer_33 (A3), Sabia_33 (A3), Sabinator_33 (A3), SaturnRing_31 (A3), Scout_31 (A3), Snickers_33 (A3), SoYo_33 (A3), SoilDragon_33 (A3), Soshari_35 (A3), Spike509_33 (A3), Stagni_33 (A3), StepMih_33 (A3), TNguyen7_31 (A3), Taurus_33 (A3), Texage_31 (A3), Tiffany_33 (A3), Todacoro_32 (A3), Veracruz_31 (A3), Vix_33 (A3), Watson_33 (A3), Wooldri_35 (A3), Zetzy_32 (A3),

Start 7:

- Found in 156 of 361 (43.2%) of genes in pham
- Manual Annotations of this start: 153 of 343
- Called 99.4% of time when present
- Phage (with cluster) where this start called: AbbysRanger_31 (A4), Abdiel_30 (A4), Achebe_30 (A4), Albee_31 (A4), Alberto7_32 (A4), Annyong_31 (A4), Arturo_30 (A4), AvatarAhPeg_32 (A4), Avle17_31 (A4), Baby16_31 (A4), Backyardigan_31 (A4), Bactobuster_33 (A2), Badger_31 (A4), BangNhom_31 (A4), Bartimeaus_31 (A4), BellusTerra_31 (A4), BiancaTri92_33 (A2), Blackmoor_31 (A4), Bombshell_31 (A4), Broseidon_31 (A4), Bruiser_30 (A4), BubbleTrouble_31 (A4), Bumblebee11_31 (A4), Burger_30 (A4), Caelakin_31 (A4), Camperdownii_30 (A4), CentreCat_31 (A4), Cerulean_32 (A4), ChampagnePapi_32 (A4), Chaph_31 (A4), Chupacabra_32 (A10), Cici_31 (A4), Cindaradix_30 (A4), Cintron_31 (A4), Citius_31 (A4), Clarenza_31 (A4), Cocoaberry_31 (A4), Commander_31 (A4), Connomayer_31 (A4), Datway_31 (A4), Deano_31 (A4), Dhanush_31 (A4), DirtyDunning_31 (A4), Druantia_31 (A4), Eagle_30 (A4), Eaglepride_34 (A10), Eapen_31 (A4), Edison31_33 (A10), Eris_30 (A4), Eros_31 (A4), Eurydice_31 (A4), Florean_31 (A4), Flux_31 (A4), Funston_31 (A4), Gadost_31 (A4), Goose_32 (A10), HamSlice_30 (A4), Happiness_31 (A4), Holli_31 (A4), Houdini22_31 (A4), ICleared_31 (A4), Iceman_32 (A4), Iracema64_32 (A4), Jaan_35 (A2), Jaykayelowell_31 (A4), JetBlade_31 (A4), JoongJeon_31 (A4), KFPoly_31 (A4), Kamy_31 (A4), Katalie136_31 (A4), Kimona_28 (A19), Kingmustik0402_31 (A4), Koreni_30 (A4), Kratark_31 (A4), Kremtemulon_30 (A4), Kristoff_34 (A10), Kyee_31 (A4), LHTSCC_32 (A4), LappelDuVide_30 (A4), Lemur_31 (A4), LeoAvram_31 (A4), Leogania_33 (A2), LittleB_31 (A4), LittleGuy_31 (A4), LochMonster_31 (A4), Lorenzo_31 (A4), Lunsford_32 (A4), Maverick_31 (A4), Maxo_31 (A4), Mazhar510_31 (A4), Medusa_31 (A4), MeeZee_31 (A4), Melvin_31 (A4), Millski_30 (A4), Miramae_31 (A4), Morpher26_31 (A4), Morrow_31 (A4), Mundrea_31 (A4), MyraDee_29 (A18), Nebs_31 (A4), Nemo27_31 (A4), Noelle_31 (A4), NorthStar_31 (A4), NotAPhaseMom_31 (A4), Nyxis_31 (A4), OKCentral2016_32 (A10), OKaNui_32 (A4), Obama12_32 (A4), Ohfah_31 (A4), Palestino_30 (A4), Peaches_31 (A4), Perplexer_31 (A4), PeterPeter_31 (A4), PetiteSangsue_31 (A4), Phacado_31 (A4), Phaded_35 (A2), Felipe_31 (A4), Phighter1804_31 (A4), Phontbonne_31 (A4), Pipcraft_31 (A4), Polymorphads_31 (A4), Pumbaa_31 (A4), Rebeuca_34 (A10), Relief_31 (A4), RhynO_34 (A10), Romney_31 (A4), Roosevelt_31 (A4), Ruin_31 (A4), Sabertooth_31 (A4), Scamp_31 (A4), Shaka_31 (A4), SheldonCooper_32 (A4), Shygu2_31 (A4), Skipitt_31 (A4), Sparxx_31 (A4), Spino_31 (A4), Stasia_32 (A4), Stink_32 (A4), Taquarus_31 (A4), Thanksgivukkah_31 (A4), TinaFeyge_31 (A4), Tinybot_30 (A4), TiroTheta9_31 (A4), Topanga_33 (A10), TroyPia_31 (A4), Twister_33 (A10), TygerBlood_31 (A4), Ulysses_30 (A4), WalterMcMickey_33 (A10), Wander_31 (A4), Wilbur_31 (A4), Wile_31 (A4), Wizard007_31 (A4), Xena_31 (A4), YoSam321_31 (A4),

Start 8:

- Found in 30 of 361 (8.3%) of genes in pham
- Manual Annotations of this start: 26 of 343
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aliter_33 (A9), Alma_33 (A9), Beemo_33 (A9), BogosyJay_32 (A9), Catalina_34 (A9), Colin_35 (A2), Conquerage_33 (A9), Darrell_33 (A9), Eidsmoe_33 (A9), Elephantoon_32 (A9), EmyBug_33 (A9), ExplosioNervosa_33 (A9), Fayely_33 (A9), HortumSL17_33 (A9), Kalpine_34 (A2), LoneWolf_32 (A9), Maminiaina_32 (A9), Myxus_33 (A9), PackMan_33 (A9), Phaeder_33 (A9), Phonnegut_33 (A9), Pioneer_33 (A9), Priya_33 (A9), Qobbit_33 (A9), Scherzo_33 (A9), Spouty_32 (A9), Trixie_34 (A2), Tubs_33 (A9), Ugenie5_30 (A9), WeiHuaDA_37 (A2),

Start 9:

- Found in 21 of 361 (5.8%) of genes in pham
- Manual Annotations of this start: 4 of 343
- Called 19.0% of time when present
- Phage (with cluster) where this start called: ANI8_34 (A2), NicoleTera_35 (A2), XianYue_31 (A2), Yecey3_32 (A9),

Start 10:

- Found in 2 of 361 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 343
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acolyte_31 (A2), TipsytheTRex_30 (A2),

Start 11:

- Found in 12 of 361 (3.3%) of genes in pham
- Manual Annotations of this start: 12 of 343
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BobSwaget_34 (A2), Chargerpower_32 (A), Charm_31 (A9), DreamTeam1_31 (A9), Jeeves_31 (A14), Lokk_34 (A2), Malec_32 (A2), Miko_34 (A2), Rachaly_34 (A2), Rahalelujah_30 (A9), SheaKeira_31 (A9), Toaka_30 (A9),

Start 12:

- Found in 41 of 361 (11.4%) of genes in pham
- Manual Annotations of this start: 35 of 343
- Called 97.6% of time when present
- Phage (with cluster) where this start called: 40AC_34 (A17), AN3_31 (A2), AN9_34 (A2), Adzzy_32 (A2), AnnaL29_35 (A2), ArcherNM_34 (A2), BabyBack_33 (A2), C3_29 (A2), Caraxes_30 (A2), Changeling_34 (A2), Che12_33 (A2), D29_31 (A2), D32_34 (A2), DBQu4n_34 (A2), Duplo_34 (A2), EZMoney23_35 (A2), GaugeLDP_33 (A2), Heffalump_33 (A2), IronMan_34 (A2), Journey13_29 (A2), Jsquared_30 (A2), Kerberos_34 (A2), Koduck_31 (A2), L5_31 (A2), Loser_35 (A2), MissWhite_31 (A2), Naji_34 (A2), NothingSpecial_33 (A2), Odin_30 (A2), Ph8s_32 (A2), Pomar16_34 (A2), Pukovnik_33 (A2), RedRock_35 (A2), Serenity_30 (A2), StarStuff_34 (A2), Superchunk_30 (A2), SwirlSquare_33 (A2), Tomathan_34 (A2), VA6_31 (A2), VC3_34 (A2),

Summary by clusters:

There are 10 clusters represented in this pham: A, A14, A17, A10, A19, A18, A3, A2, A4, A9,

Info for manual annotations of cluster A:

- Start number 11 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A10:

- Start number 7 was manually annotated 11 times for cluster A10.

Info for manual annotations of cluster A14:

- Start number 11 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A18:

- Start number 7 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 7 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 7 was manually annotated 5 times for cluster A2.
- Start number 8 was manually annotated 2 times for cluster A2.
- Start number 9 was manually annotated 3 times for cluster A2.
- Start number 10 was manually annotated 2 times for cluster A2.
- Start number 11 was manually annotated 5 times for cluster A2.
- Start number 12 was manually annotated 35 times for cluster A2.

Info for manual annotations of cluster A3:

- Start number 5 was manually annotated 1 time for cluster A3.
- Start number 6 was manually annotated 110 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 7 was manually annotated 135 times for cluster A4.

Info for manual annotations of cluster A9:

- Start number 8 was manually annotated 24 times for cluster A9.
- Start number 9 was manually annotated 1 time for cluster A9.
- Start number 11 was manually annotated 5 times for cluster A9.

Gene Information:

Gene: 40AC_34 Start: 24978, Stop: 26762, Start Num: 12

Candidate Starts for 40AC_34:

(Start: 12 @24978 has 35 MA's), (17, 24999), (27, 25098), (28, 25104), (35, 25131), (42, 25167), (47, 25188), (54, 25224), (56, 25236), (58, 25248), (79, 25350), (84, 25371), (94, 25425), (99, 25437), (115, 25503), (136, 25593), (137, 25611), (141, 25635), (163, 25770), (175, 25836), (179, 25875), (190, 25965), (204, 26022), (220, 26088), (230, 26145), (261, 26307), (289, 26445), (295, 26469), (318, 26547), (322, 26559), (341, 26622), (345, 26640), (375, 26745),

Gene: ACFishhook_33 Start: 23442, Stop: 25250, Start Num: 6

Candidate Starts for ACFishhook_33:

(Start: 6 @23442 has 110 MA's), (25, 23577), (40, 23643), (49, 23688), (50, 23691), (79, 23838), (88, 23883), (94, 23913), (136, 24081), (137, 24099), (141, 24123), (167, 24285), (175, 24324), (179, 24363), (190, 24453), (227, 24615), (231, 24636), (248, 24723), (258, 24780), (261, 24795), (270, 24858), (289, 24933), (294, 24954), (322, 25047), (332, 25086), (345, 25128), (373, 25227),

Gene: AN3_31 Start: 22715, Stop: 24571, Start Num: 12

Candidate Starts for AN3_31:

(Start: 9 @22709 has 4 MA's), (Start: 12 @22715 has 35 MA's), (27, 22835), (47, 22925), (58, 22985), (61, 23009), (66, 23036), (87, 23129), (90, 23153), (91, 23159), (112, 23261), (191, 23666), (208, 23735), (244, 23903), (257, 23990), (273, 24086), (311, 24236), (345, 24350), (362, 24419), (369, 24443), (376, 24473), (380, 24488),

Gene: AN9_34 Start: 22703, Stop: 24556, Start Num: 12

Candidate Starts for AN9_34:

(Start: 9 @22697 has 4 MA's), (Start: 12 @22703 has 35 MA's), (27, 22823), (47, 22913), (58, 22973), (61, 22997), (66, 23024), (87, 23117), (90, 23141), (91, 23147), (112, 23249), (191, 23654), (208, 23723), (244, 23891), (257, 23978), (273, 24074), (311, 24221), (345, 24335), (362, 24404), (369, 24428), (376, 24458), (380, 24473),

Gene: ANI8_34 Start: 22697, Stop: 24556, Start Num: 9

Candidate Starts for ANI8_34:

(Start: 9 @22697 has 4 MA's), (Start: 12 @22703 has 35 MA's), (27, 22823), (47, 22913), (58, 22973), (61, 22997), (66, 23024), (87, 23117), (90, 23141), (91, 23147), (112, 23249), (191, 23654), (208, 23723), (244, 23891), (257, 23978), (273, 24074), (311, 24221), (345, 24335), (362, 24404), (369, 24428), (376, 24458), (380, 24473),

Gene: AbbysRanger_31 Start: 22986, Stop: 24845, Start Num: 7

Candidate Starts for AbbysRanger_31:

(2, 22926), (Start: 7 @22986 has 153 MA's), (20, 23052), (22, 23097), (24, 23103), (31, 23136), (35, 23154), (44, 23199), (46, 23205), (47, 23211), (64, 23304), (65, 23319), (83, 23391), (95, 23451), (106, 23502), (110, 23514), (124, 23592), (137, 23661), (155, 23784), (160, 23808), (174, 23889), (179, 23934), (182, 23943), (183, 23946), (203, 24075), (204, 24084), (216, 24126), (220, 24153), (226, 24189), (230, 24216), (233, 24228), (260, 24384), (296, 24558), (297, 24564), (309, 24609), (328, 24660), (329, 24663), (340, 24699), (351, 24735),

Gene: Abdiel_30 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for Abdiel_30:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (243, 24241), (296, 24526), (297, 24532), (309, 24577), (322, 24610), (328, 24628), (329, 24631), (340, 24667), (351, 24703),

Gene: Achebe_30 Start: 22969, Stop: 24828, Start Num: 7

Candidate Starts for Achebe_30:

(2, 22909), (Start: 7 @22969 has 153 MA's), (20, 23035), (22, 23080), (24, 23086), (31, 23119), (35, 23137), (44, 23182), (46, 23188), (47, 23194), (64, 23287), (65, 23302), (83, 23374), (95, 23434), (106, 23485), (110, 23497), (124, 23575), (137, 23644), (155, 23767), (160, 23791), (174, 23872), (179, 23917), (182, 23926), (183, 23929), (203, 24058), (204, 24067), (216, 24109), (220, 24136), (226, 24172), (230, 24199), (233, 24211), (260, 24367), (296, 24541), (297, 24547), (309, 24592), (328, 24643), (329, 24646), (340, 24682), (351, 24718),

Gene: Acolyte_31 Start: 23339, Stop: 25057, Start Num: 10

Candidate Starts for Acolyte_31:

(Start: 10 @23339 has 2 MA's), (17, 23363), (28, 23468), (49, 23564), (56, 23600), (58, 23612), (62, 23639), (63, 23642), (70, 23687), (80, 23717), (90, 23768), (104, 23822), (152, 24026), (191, 24263), (236, 24461), (257, 24584), (273, 24680), (337, 24908), (347, 24941),

Gene: Adzzy_32 Start: 21442, Stop: 23085, Start Num: 12

Candidate Starts for Adzzy_32:

(Start: 12 @21442 has 35 MA's), (25, 21553), (34, 21589), (56, 21700), (58, 21712), (90, 21880), (91, 21886), (152, 22150), (154, 22174), (162, 22201), (180, 22288), (191, 22372), (193, 22378), (196, 22384), (201, 22414), (222, 22498), (224, 22519), (251, 22672), (259, 22711), (273, 22798), (292, 22870), (314, 22957), (320, 22966), (335, 23014),

Gene: Aglet_33 Start: 23278, Stop: 25035, Start Num: 6

Candidate Starts for Aglet_33:

(Start: 6 @23278 has 110 MA's), (25, 23413), (40, 23479), (49, 23524), (56, 23560), (83, 23692), (89, 23728), (94, 23749), (118, 23806), (132, 23866), (144, 23920), (153, 23980), (172, 24100), (174, 24103), (184, 24172), (185, 24196), (204, 24289), (210, 24310), (220, 24355), (280, 24685), (297, 24754), (316, 24817), (367, 24988),

Gene: AgronaGT15_33 Start: 23185, Stop: 24936, Start Num: 6

Candidate Starts for AgronaGT15_33:

(Start: 6 @23185 has 110 MA's), (25, 23320), (40, 23386), (49, 23431), (56, 23467), (77, 23578), (83, 23599), (89, 23635), (94, 23656), (132, 23773), (156, 23911), (172, 24007), (174, 24010), (184, 24079), (185, 24103), (193, 24148), (204, 24196), (220, 24262), (251, 24433), (253, 24439), (262, 24490), (268, 24535), (276, 24565), (287, 24613), (297, 24655), (302, 24670), (303, 24673), (309, 24697), (342, 24799), (343, 24802), (351, 24826),

Gene: Albee_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Albee_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Alberto7_32 Start: 23262, Stop: 25118, Start Num: 7

Candidate Starts for Alberto7_32:

(Start: 7 @23262 has 153 MA's), (25, 23388), (31, 23412), (53, 23517), (54, 23523), (61, 23571), (64, 23580), (70, 23622), (83, 23667), (85, 23673), (106, 23778), (110, 23790), (124, 23868), (137, 23937), (174, 24165), (177, 24189), (178, 24192), (182, 24219), (183, 24222), (198, 24327), (203, 24348), (204, 24357), (226, 24462), (233, 24501), (243, 24546), (267, 24708), (268, 24714), (296, 24831), (297, 24837), (309, 24882), (328, 24933), (329, 24936), (347, 24999), (351, 25008), (373, 25095),

Gene: Aliter_33 Start: 24305, Stop: 26071, Start Num: 8

Candidate Starts for Aliter_33:

(Start: 8 @24305 has 26 MA's), (13, 24317), (40, 24491), (58, 24581), (69, 24626), (71, 24635), (89, 24713), (95, 24737), (103, 24773), (136, 24902), (137, 24920), (175, 25145), (178, 25166), (179, 25184), (190, 25274), (204, 25331), (230, 25454), (255, 25577), (261, 25616), (268, 25673), (289, 25754), (294, 25775), (295, 25778), (322, 25868), (356, 25979), (375, 26054),

Gene: Alma_33 Start: 24420, Stop: 26186, Start Num: 8

Candidate Starts for Alma_33:

(Start: 8 @24420 has 26 MA's), (40, 24606), (58, 24696), (69, 24741), (71, 24750), (95, 24852), (103, 24888), (136, 25017), (137, 25035), (175, 25260), (178, 25281), (179, 25299), (190, 25389), (204, 25446), (230, 25569), (255, 25692), (258, 25716), (261, 25731), (289, 25869), (294, 25890), (295, 25893), (296, 25899), (322, 25983), (366, 26133), (375, 26169),

Gene: AnnaL29_35 Start: 25114, Stop: 26892, Start Num: 12

Candidate Starts for AnnaL29_35:

(Start: 12 @25114 has 35 MA's), (25, 25225), (27, 25234), (47, 25321), (54, 25357), (56, 25369), (58, 25381), (88, 25528), (89, 25537), (94, 25558), (99, 25570), (136, 25726), (137, 25744), (159, 25876), (175, 25969), (179, 26008), (186, 26065), (190, 26098), (204, 26155), (218, 26209), (230, 26278), (255, 26401), (261, 26440), (264, 26470), (289, 26575), (294, 26596), (295, 26599), (322, 26689), (345, 26770), (363, 26830),

Gene: Annyong_31 Start: 22961, Stop: 24817, Start Num: 7

Candidate Starts for Annyong_31:

(Start: 7 @22961 has 153 MA's), (25, 23087), (31, 23111), (53, 23216), (54, 23222), (61, 23270), (64, 23279), (70, 23321), (83, 23366), (85, 23372), (106, 23477), (110, 23489), (124, 23567), (137, 23636), (174, 23864), (177, 23888), (178, 23891), (182, 23918), (183, 23921), (198, 24026), (203, 24047), (204, 24056), (226, 24161), (233, 24200), (243, 24245), (268, 24413), (296, 24530), (297, 24536), (309, 24581), (328, 24632), (329, 24635), (347, 24698), (351, 24707), (373, 24794),

Gene: Anubis_35 Start: 23163, Stop: 24920, Start Num: 6

Candidate Starts for Anubis_35:

(Start: 6 @23163 has 110 MA's), (25, 23298), (40, 23364), (49, 23409), (56, 23445), (83, 23577), (89, 23613), (94, 23634), (118, 23691), (132, 23751), (144, 23805), (153, 23865), (172, 23985), (174, 23988), (184, 24057), (185, 24081), (204, 24174), (210, 24195), (220, 24240), (280, 24570), (297, 24639), (316, 24702), (367, 24873),

Gene: ArcherNM_34 Start: 25064, Stop: 26842, Start Num: 12

Candidate Starts for ArcherNM_34:

(Start: 12 @25064 has 35 MA's), (17, 25085), (25, 25175), (27, 25184), (47, 25271), (54, 25307), (56, 25319), (58, 25331), (89, 25487), (94, 25508), (99, 25520), (115, 25586), (136, 25676), (137, 25694), (141, 25718), (165, 25862), (175, 25919), (179, 25958), (186, 26015), (190, 26048), (204, 26105), (218, 26159), (230, 26228), (255, 26351), (258, 26375), (261, 26390), (289, 26525), (294, 26546), (322, 26639), (345, 26720), (363, 26780), (375, 26825),

Gene: Arturo_30 Start: 23069, Stop: 24925, Start Num: 7

Candidate Starts for Arturo_30:

(Start: 7 @23069 has 153 MA's), (25, 23195), (31, 23219), (53, 23324), (54, 23330), (61, 23378), (64, 23387), (70, 23429), (83, 23474), (85, 23480), (106, 23585), (110, 23597), (120, 23660), (124, 23675), (137, 23744), (174, 23972), (177, 23996), (178, 23999), (182, 24026), (183, 24029), (198, 24134), (203, 24155), (204, 24164), (226, 24269), (233, 24308), (243, 24353), (258, 24452), (296, 24638), (297, 24644), (309, 24689), (328, 24740), (329, 24743), (347, 24806), (351, 24815), (373, 24902),

Gene: AugsMagnumOpus_35 Start: 23269, Stop: 25026, Start Num: 6

Candidate Starts for AugsMagnumOpus_35:

(Start: 6 @23269 has 110 MA's), (25, 23404), (40, 23470), (49, 23515), (56, 23551), (83, 23683), (89, 23719), (94, 23740), (118, 23797), (132, 23857), (144, 23911), (153, 23971), (172, 24091), (174, 24094), (184, 24163), (185, 24187), (204, 24280), (210, 24301), (220, 24346), (280, 24676), (297, 24745), (316, 24808), (367, 24979),

Gene: AvatarAhPeg_32 Start: 23239, Stop: 25098, Start Num: 7

Candidate Starts for AvatarAhPeg_32:

(Start: 7 @23239 has 153 MA's), (20, 23305), (31, 23389), (35, 23407), (44, 23452), (54, 23500), (64, 23557), (70, 23599), (85, 23650), (88, 23671), (95, 23704), (106, 23755), (110, 23767), (117, 23821), (124, 23845), (137, 23914), (174, 24142), (178, 24169), (182, 24196), (183, 24199), (198, 24307), (203, 24328), (204, 24337), (220, 24406), (226, 24442), (233, 24481), (247, 24550), (267, 24688), (296, 24811), (297, 24817), (347, 24979), (351, 24988),

Gene: Avle17_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Avle17_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (203, 24046), (204, 24055), (226, 24160), (233, 24199), (243, 24244), (267, 24406), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: B1_29 Start: 22527, Stop: 24386, Start Num: 6

Candidate Starts for B1_29:

(Start: 6 @22527 has 110 MA's), (24, 22653), (27, 22671), (31, 22686), (40, 22728), (53, 22791), (84, 22944), (85, 22947), (88, 22968), (93, 22995), (109, 23070), (116, 23121), (136, 23208), (141, 23250), (179, 23490), (186, 23547), (190, 23580), (215, 23673), (219, 23697), (239, 23802), (250, 23868), (255, 23883), (286, 24054), (318, 24159), (333, 24213), (345, 24252), (361, 24306), (368, 24333), (373, 24357),

Gene: Baby16_31 Start: 22969, Stop: 24825, Start Num: 7

Candidate Starts for Baby16_31:

(Start: 7 @22969 has 153 MA's), (25, 23095), (31, 23119), (53, 23224), (54, 23230), (61, 23278), (64, 23287), (70, 23329), (83, 23374), (85, 23380), (106, 23485), (110, 23497), (124, 23575), (137, 23644), (174, 23872), (177, 23896), (178, 23899), (182, 23926), (183, 23929), (198, 24034), (204, 24064), (207, 24079), (226, 24169), (233, 24208), (243, 24253), (268, 24421), (296, 24538), (297, 24544), (309, 24589), (328, 24640), (329, 24643), (347, 24706), (351, 24715), (373, 24802),

Gene: BabyBack_33 Start: 24351, Stop: 26132, Start Num: 12

Candidate Starts for BabyBack_33:

(Start: 12 @24351 has 35 MA's), (17, 24372), (25, 24462), (27, 24471), (28, 24477), (56, 24609), (58, 24621), (70, 24696), (99, 24810), (136, 24966), (137, 24984), (141, 25008), (161, 25122), (175, 25209), (179, 25248), (190, 25338), (197, 25359), (218, 25449), (227, 25500), (231, 25521), (258, 25665), (261, 25680), (289, 25815), (294, 25836), (298, 25857), (309, 25896), (316, 25914), (322, 25929), (332, 25968), (345, 26010), (356, 26040), (359, 26052), (373, 26109),

Gene: BabyRay_31 Start: 23087, Stop: 24946, Start Num: 6

Candidate Starts for BabyRay_31:

(Start: 6 @23087 has 110 MA's), (27, 23231), (31, 23246), (40, 23288), (53, 23351), (79, 23483), (85, 23507), (88, 23528), (93, 23555), (109, 23630), (136, 23768), (137, 23786), (139, 23789), (141, 23810), (179, 24050), (190, 24140), (215, 24233), (219, 24257), (239, 24362), (250, 24428), (255, 24443), (261, 24482), (286, 24614), (318, 24719), (333, 24773), (345, 24812), (361, 24866), (368, 24893), (373, 24917),

Gene: Backyardigan_31 Start: 22981, Stop: 24840, Start Num: 7

Candidate Starts for Backyardigan_31:

(2, 22921), (Start: 7 @22981 has 153 MA's), (20, 23047), (22, 23092), (24, 23098), (31, 23131), (35, 23149), (44, 23194), (46, 23200), (47, 23206), (64, 23299), (65, 23314), (83, 23386), (95, 23446), (106, 23497), (110, 23509), (124, 23587), (137, 23656), (155, 23779), (160, 23803), (174, 23884), (179, 23929), (182, 23938), (183, 23941), (203, 24070), (204, 24079), (216, 24121), (220, 24148), (226, 24184), (230, 24211), (233, 24223), (260, 24379), (296, 24553), (297, 24559), (309, 24604), (328, 24655), (329, 24658), (340, 24694), (351, 24730),

Gene: Bactobuster_33 Start: 24863, Stop: 26638, Start Num: 7

Candidate Starts for Bactobuster_33:

(4, 24824), (Start: 7 @24863 has 153 MA's), (25, 24974), (27, 24983), (41, 25040), (47, 25067), (64, 25160), (88, 25274), (94, 25304), (126, 25439), (136, 25472), (137, 25490), (141, 25514), (161, 25628), (167, 25676), (175, 25715), (179, 25754), (183, 25766), (186, 25811), (227, 26006), (231, 26027), (249, 26120), (261, 26186), (273, 26258), (289, 26321), (316, 26420), (322, 26435), (345, 26516), (363, 26576), (375, 26621),

Gene: Badger_31 Start: 22970, Stop: 24829, Start Num: 7

Candidate Starts for Badger_31:

(2, 22910), (Start: 7 @22970 has 153 MA's), (20, 23036), (22, 23081), (24, 23087), (31, 23120), (35, 23138), (44, 23183), (46, 23189), (47, 23195), (64, 23288), (65, 23303), (83, 23375), (95, 23435),

(106, 23486), (110, 23498), (124, 23576), (137, 23645), (155, 23768), (160, 23792), (174, 23873), (179, 23918), (182, 23927), (183, 23930), (203, 24059), (204, 24068), (216, 24110), (220, 24137), (226, 24173), (230, 24200), (233, 24212), (260, 24368), (296, 24542), (297, 24548), (309, 24593), (328, 24644), (329, 24647), (340, 24683), (351, 24719),

Gene: BangNhom_31 Start: 23274, Stop: 25130, Start Num: 7

Candidate Starts for BangNhom_31:

(Start: 7 @23274 has 153 MA's), (25, 23400), (31, 23424), (53, 23529), (54, 23535), (61, 23583), (70, 23634), (85, 23685), (106, 23790), (110, 23802), (124, 23880), (137, 23949), (164, 24117), (168, 24147), (174, 24177), (177, 24201), (178, 24204), (182, 24231), (183, 24234), (198, 24339), (203, 24360), (204, 24369), (233, 24513), (243, 24558), (267, 24720), (296, 24843), (309, 24894), (347, 25011), (351, 25020), (373, 25107),

Gene: Bartimeaus_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Bartimeaus_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Beauxregard13_33 Start: 23277, Stop: 25034, Start Num: 6

Candidate Starts for Beauxregard13_33:

(Start: 6 @23277 has 110 MA's), (25, 23412), (40, 23478), (49, 23523), (56, 23559), (83, 23691), (89, 23727), (94, 23748), (118, 23805), (132, 23865), (144, 23919), (153, 23979), (172, 24099), (174, 24102), (184, 24171), (185, 24195), (204, 24288), (210, 24309), (220, 24354), (280, 24684), (297, 24753), (316, 24816), (367, 24987),

Gene: Beemo_33 Start: 24411, Stop: 26177, Start Num: 8

Candidate Starts for Beemo_33:

(Start: 8 @24411 has 26 MA's), (13, 24423), (40, 24597), (58, 24687), (69, 24732), (71, 24741), (89, 24819), (95, 24843), (103, 24879), (136, 25008), (137, 25026), (175, 25251), (178, 25272), (179, 25290), (190, 25380), (204, 25437), (230, 25560), (255, 25683), (261, 25722), (268, 25779), (289, 25860), (294, 25881), (295, 25884), (316, 25959), (322, 25974), (356, 26085), (375, 26160),

Gene: BellusTerra_31 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for BellusTerra_31:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (239, 24223), (243, 24241), (258, 24340), (296, 24526), (309, 24577), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: BiancaTri92_33 Start: 24557, Stop: 26335, Start Num: 7

Candidate Starts for BiancaTri92_33:

(Start: 7 @24557 has 153 MA's), (25, 24668), (27, 24677), (41, 24737), (47, 24764), (54, 24800), (89, 24980), (94, 25001), (99, 25013), (130, 25148), (136, 25169), (137, 25187), (141, 25211), (159, 25319), (170, 25385), (179, 25451), (186, 25508), (190, 25541), (204, 25598), (250, 25829), (258, 25868), (261, 25883), (289, 26018), (295, 26042), (296, 26048), (316, 26117), (322, 26132), (332, 26171), (345, 26213), (375, 26318),

Gene: Blackmoor_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Blackmoor_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: BlueBird_32 Start: 22838, Stop: 24697, Start Num: 6

Candidate Starts for BlueBird_32:

(Start: 6 @22838 has 110 MA's), (27, 22982), (31, 22997), (40, 23039), (63, 23162), (71, 23210), (83, 23252), (85, 23258), (88, 23279), (136, 23519), (140, 23549), (147, 23597), (167, 23723), (175, 23762), (179, 23801), (186, 23858), (190, 23891), (227, 24053), (228, 24056), (239, 24113), (250, 24179), (255, 24194), (295, 24395), (332, 24521), (333, 24524), (359, 24605), (361, 24617), (368, 24644), (375, 24674),

Gene: BobSwaget_34 Start: 24339, Stop: 26123, Start Num: 11

Candidate Starts for BobSwaget_34:

(Start: 11 @24339 has 12 MA's), (17, 24363), (25, 24453), (27, 24462), (40, 24519), (115, 24867), (116, 24870), (136, 24957), (137, 24975), (141, 24999), (159, 25107), (175, 25200), (179, 25239), (190, 25329), (205, 25389), (218, 25440), (227, 25491), (231, 25512), (258, 25656), (261, 25671), (263, 25689), (294, 25827), (298, 25848), (322, 25920), (327, 25938), (332, 25959), (340, 25980), (345, 26001), (363, 26061), (375, 26106),

Gene: BogosyJay_32 Start: 23933, Stop: 25699, Start Num: 8

Candidate Starts for BogosyJay_32:

(Start: 8 @23933 has 26 MA's), (36, 24098), (40, 24119), (54, 24185), (56, 24197), (58, 24209), (69, 24254), (71, 24263), (73, 24272), (88, 24332), (89, 24341), (95, 24365), (103, 24401), (125, 24494), (136, 24530), (137, 24548), (175, 24773), (178, 24794), (179, 24812), (190, 24902), (204, 24959), (215, 24995), (230, 25082), (255, 25205), (258, 25229), (261, 25244), (268, 25301), (294, 25403), (295, 25406), (322, 25496), (356, 25607), (375, 25682),

Gene: Bombshell_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Bombshell_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: BreSam8_33 Start: 23270, Stop: 25027, Start Num: 6

Candidate Starts for BreSam8_33:

(Start: 6 @23270 has 110 MA's), (25, 23405), (40, 23471), (49, 23516), (56, 23552), (83, 23684), (89, 23720), (94, 23741), (118, 23798), (132, 23858), (144, 23912), (153, 23972), (172, 24092), (174, 24095), (184, 24164), (185, 24188), (204, 24281), (210, 24302), (220, 24347), (280, 24677), (297, 24746), (316, 24809), (367, 24980),

Gene: Broseidon_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Broseidon_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (228, 24172), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Bruiser_30 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Bruiser_30:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (203, 24046), (204, 24055), (226, 24160), (233, 24199), (243, 24244), (267, 24406), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: BubbleTrouble_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for BubbleTrouble_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (203, 24046), (204, 24055), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Bugatti_31 Start: 22838, Stop: 24697, Start Num: 6

Candidate Starts for Bugatti_31:

(Start: 6 @22838 has 110 MA's), (27, 22982), (31, 22997), (40, 23039), (63, 23162), (71, 23210), (83, 23252), (85, 23258), (88, 23279), (136, 23519), (140, 23549), (147, 23597), (167, 23723), (175, 23762), (179, 23801), (186, 23858), (190, 23891), (227, 24053), (228, 24056), (239, 24113), (250, 24179), (255, 24194), (295, 24395), (332, 24521), (333, 24524), (359, 24605), (361, 24617), (368, 24644), (375, 24674),

Gene: Bumblebee11_31 Start: 22972, Stop: 24831, Start Num: 7

Candidate Starts for Bumblebee11_31:

(2, 22912), (Start: 7 @22972 has 153 MA's), (20, 23038), (22, 23083), (24, 23089), (31, 23122), (35, 23140), (44, 23185), (46, 23191), (47, 23197), (64, 23290), (65, 23305), (83, 23377), (95, 23437), (106, 23488), (110, 23500), (124, 23578), (137, 23647), (155, 23770), (160, 23794), (174, 23875), (179, 23920), (182, 23929), (183, 23932), (203, 24061), (204, 24070), (216, 24112), (220, 24139), (226, 24175), (230, 24202), (233, 24214), (260, 24370), (296, 24544), (297, 24550), (309, 24595), (328, 24646), (329, 24649), (340, 24685), (351, 24721),

Gene: Burger_30 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Burger_30:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: BuzzBuzz_32 Start: 23364, Stop: 25115, Start Num: 6

Candidate Starts for BuzzBuzz_32:

(Start: 6 @23364 has 110 MA's), (25, 23499), (40, 23565), (49, 23610), (56, 23646), (77, 23757), (83, 23778), (89, 23814), (94, 23835), (132, 23952), (156, 24090), (172, 24186), (174, 24189), (184, 24258), (185, 24282), (193, 24327), (204, 24375), (220, 24441), (251, 24612), (253, 24618), (262, 24669), (268, 24714), (276, 24744), (287, 24792), (297, 24834), (302, 24849), (303, 24852), (309, 24876), (342, 24978), (343, 24981), (351, 25005),

Gene: Bxz2_32 Start: 23371, Stop: 25122, Start Num: 6

Candidate Starts for Bxz2_32:

(Start: 6 @23371 has 110 MA's), (25, 23506), (40, 23572), (49, 23617), (56, 23653), (77, 23764), (83, 23785), (89, 23821), (94, 23842), (132, 23959), (156, 24097), (172, 24193), (174, 24196), (184,

24265), (185, 24289), (193, 24334), (204, 24382), (220, 24448), (251, 24619), (253, 24625), (262, 24676), (268, 24721), (276, 24751), (287, 24799), (297, 24841), (302, 24856), (303, 24859), (309, 24883), (342, 24985), (343, 24988), (351, 25012),

Gene: C3_29 Start: 22703, Stop: 24556, Start Num: 12

Candidate Starts for C3_29:

(Start: 9 @22697 has 4 MA's), (Start: 12 @22703 has 35 MA's), (27, 22823), (47, 22913), (58, 22973), (61, 22997), (66, 23024), (87, 23117), (90, 23141), (91, 23147), (112, 23249), (191, 23654), (208, 23723), (244, 23891), (257, 23978), (273, 24074), (311, 24221), (345, 24335), (362, 24404), (369, 24428), (376, 24458), (380, 24473),

Gene: Caelakin_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Caelakin_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (203, 24046), (204, 24055), (226, 24160), (233, 24199), (243, 24244), (267, 24406), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Camperdownii_30 Start: 22579, Stop: 24435, Start Num: 7

Candidate Starts for Camperdownii_30:

(Start: 7 @22579 has 153 MA's), (25, 22705), (31, 22729), (53, 22834), (54, 22840), (61, 22888), (70, 22939), (85, 22990), (106, 23095), (110, 23107), (124, 23185), (137, 23254), (164, 23422), (168, 23452), (174, 23482), (178, 23509), (182, 23536), (183, 23539), (198, 23644), (203, 23665), (204, 23674), (226, 23779), (233, 23818), (239, 23845), (243, 23863), (244, 23866), (260, 23974), (268, 24031), (296, 24148), (297, 24154), (347, 24316), (351, 24325),

Gene: Caraxes_30 Start: 21397, Stop: 22950, Start Num: 12

Candidate Starts for Caraxes_30:

(Start: 9 @21391 has 4 MA's), (Start: 12 @21397 has 35 MA's), (27, 21517), (35, 21550), (36, 21553), (41, 21580), (60, 21667), (87, 21754), (111, 21856), (222, 22384), (223, 22390), (227, 22420), (234, 22453), (236, 22465), (251, 22558), (257, 22588), (273, 22684), (292, 22756), (312, 22822), (320, 22834), (335, 22879),

Gene: Catalina_34 Start: 24377, Stop: 26143, Start Num: 8

Candidate Starts for Catalina_34:

(Start: 8 @24377 has 26 MA's), (13, 24389), (40, 24563), (58, 24653), (69, 24698), (71, 24707), (89, 24785), (95, 24809), (103, 24845), (136, 24974), (137, 24992), (175, 25217), (178, 25238), (179, 25256), (190, 25346), (204, 25403), (230, 25526), (255, 25649), (261, 25688), (268, 25745), (289, 25826), (294, 25847), (295, 25850), (322, 25940), (356, 26051), (375, 26126),

Gene: Caviar_32 Start: 23373, Stop: 25232, Start Num: 6

Candidate Starts for Caviar_32:

(Start: 6 @23373 has 110 MA's), (27, 23517), (32, 23535), (40, 23574), (44, 23595), (53, 23637), (56, 23655), (88, 23814), (93, 23841), (113, 23946), (116, 23967), (136, 24054), (141, 24096), (179, 24336), (190, 24426), (204, 24483), (239, 24648), (249, 24702), (250, 24714), (255, 24729), (277, 24858), (278, 24870), (295, 24930), (297, 24942), (310, 24987), (318, 25005), (361, 25152), (368, 25179), (375, 25209),

Gene: CentreCat_31 Start: 22961, Stop: 24817, Start Num: 7

Candidate Starts for CentreCat_31:

(Start: 7 @22961 has 153 MA's), (25, 23087), (31, 23111), (53, 23216), (54, 23222), (61, 23270), (64, 23279), (70, 23321), (83, 23366), (85, 23372), (106, 23477), (110, 23489), (124, 23567), (137, 23636),

(174, 23864), (177, 23888), (178, 23891), (182, 23918), (183, 23921), (198, 24026), (204, 24056), (207, 24071), (226, 24161), (233, 24200), (243, 24245), (268, 24413), (296, 24530), (297, 24536), (309, 24581), (328, 24632), (329, 24635), (347, 24698), (351, 24707), (373, 24794),

Gene: Cerulean_32 Start: 23275, Stop: 25131, Start Num: 7

Candidate Starts for Cerulean_32:

(Start: 7 @23275 has 153 MA's), (25, 23401), (31, 23425), (53, 23530), (54, 23536), (61, 23584), (70, 23635), (85, 23686), (106, 23791), (110, 23803), (124, 23881), (137, 23950), (164, 24118), (168, 24148), (174, 24178), (177, 24202), (178, 24205), (182, 24232), (183, 24235), (198, 24340), (203, 24361), (204, 24370), (233, 24514), (243, 24559), (267, 24721), (296, 24844), (309, 24895), (347, 25012), (351, 25021), (373, 25108),

Gene: ChampagnePapi_32 Start: 23274, Stop: 25130, Start Num: 7

Candidate Starts for ChampagnePapi_32:

(Start: 7 @23274 has 153 MA's), (25, 23400), (31, 23424), (53, 23529), (54, 23535), (61, 23583), (70, 23634), (85, 23685), (106, 23790), (110, 23802), (124, 23880), (137, 23949), (174, 24177), (177, 24201), (178, 24204), (182, 24231), (183, 24234), (198, 24339), (204, 24369), (207, 24384), (226, 24474), (233, 24513), (243, 24558), (268, 24726), (296, 24843), (309, 24894), (347, 25011), (351, 25020), (373, 25107),

Gene: Changeling_34 Start: 25115, Stop: 26890, Start Num: 12

Candidate Starts for Changeling_34:

(1, 25016), (Start: 12 @25115 has 35 MA's), (25, 25226), (27, 25235), (47, 25319), (54, 25355), (56, 25367), (58, 25379), (79, 25481), (85, 25505), (94, 25556), (99, 25568), (130, 25703), (136, 25724), (137, 25742), (141, 25766), (175, 25967), (179, 26006), (186, 26063), (190, 26096), (204, 26153), (218, 26207), (230, 26276), (250, 26384), (255, 26399), (261, 26438), (294, 26594), (322, 26687), (345, 26768), (363, 26828), (375, 26873),

Gene: Chaph_31 Start: 22969, Stop: 24825, Start Num: 7

Candidate Starts for Chaph_31:

(Start: 7 @22969 has 153 MA's), (25, 23095), (31, 23119), (53, 23224), (54, 23230), (61, 23278), (64, 23287), (70, 23329), (83, 23374), (85, 23380), (106, 23485), (110, 23497), (124, 23575), (137, 23644), (174, 23872), (177, 23896), (178, 23899), (182, 23926), (183, 23929), (198, 24034), (204, 24064), (207, 24079), (226, 24169), (233, 24208), (243, 24253), (268, 24421), (296, 24538), (297, 24544), (309, 24589), (328, 24640), (329, 24643), (347, 24706), (351, 24715), (373, 24802),

Gene: Chargerpower_32 Start: 22051, Stop: 23787, Start Num: 11

Candidate Starts for Chargerpower_32:

(Start: 11 @22051 has 12 MA's), (38, 22222), (42, 22243), (45, 22255), (59, 22333), (86, 22432), (101, 22492), (138, 22666), (150, 22750), (178, 22894), (189, 22978), (229, 23167), (271, 23404), (294, 23494), (297, 23509), (351, 23647), (353, 23656), (357, 23671), (364, 23704),

Gene: Charm_31 Start: 22329, Stop: 24071, Start Num: 11

Candidate Starts for Charm_31:

(Start: 11 @22329 has 12 MA's), (13, 22335), (35, 22485), (41, 22515), (52, 22566), (63, 22632), (72, 22680), (82, 22704), (102, 22779), (135, 22893), (166, 23004), (176, 23070), (187, 23184), (195, 23220), (214, 23301), (222, 23340), (242, 23454), (245, 23466), (266, 23613), (268, 23628), (278, 23673), (348, 23925), (357, 23958), (358, 23961), (366, 23997), (381, 24060),

Gene: Che12_33 Start: 21672, Stop: 23324, Start Num: 12

Candidate Starts for Che12_33:

(Start: 12 @21672 has 35 MA's), (25, 21783), (34, 21819), (54, 21918), (58, 21942), (90, 22110), (91, 22116), (194, 22626), (222, 22737), (236, 22818), (251, 22911), (257, 22941), (273, 23037), (292,

23109), (314, 23196), (321, 23208),

Gene: Chupacabra_32 Start: 23269, Stop: 25104, Start Num: 7

Candidate Starts for Chupacabra_32:

(Start: 7 @23269 has 153 MA's), (15, 23302), (19, 23317), (71, 23629), (79, 23653), (83, 23671), (84, 23674), (85, 23677), (88, 23698), (93, 23725), (136, 23938), (137, 23956), (141, 23980), (163, 24115), (165, 24124), (179, 24220), (186, 24277), (190, 24310), (218, 24421), (230, 24490), (250, 24598), (255, 24613), (261, 24652), (262, 24658), (273, 24724), (289, 24787), (294, 24808), (295, 24811), (296, 24817), (298, 24829), (316, 24886), (322, 24901), (324, 24910), (345, 24982), (363, 25042), (375, 25087), (376, 25090),

Gene: Cici_31 Start: 22966, Stop: 24825, Start Num: 7

Candidate Starts for Cici_31:

(2, 22906), (Start: 7 @22966 has 153 MA's), (20, 23032), (22, 23077), (24, 23083), (31, 23116), (35, 23134), (44, 23179), (46, 23185), (47, 23191), (64, 23284), (65, 23299), (83, 23371), (95, 23431), (106, 23482), (110, 23494), (124, 23572), (137, 23641), (155, 23764), (160, 23788), (174, 23869), (179, 23914), (182, 23923), (183, 23926), (203, 24055), (204, 24064), (216, 24106), (220, 24133), (226, 24169), (230, 24196), (233, 24208), (260, 24364), (296, 24538), (297, 24544), (309, 24589), (328, 24640), (329, 24643), (340, 24679), (351, 24715),

Gene: Cindaradix_30 Start: 22690, Stop: 24546, Start Num: 7

Candidate Starts for Cindaradix_30:

(Start: 7 @22690 has 153 MA's), (31, 22840), (35, 22858), (37, 22870), (44, 22903), (47, 22915), (54, 22951), (64, 23008), (65, 23023), (95, 23155), (106, 23206), (110, 23218), (124, 23296), (126, 23317), (137, 23365), (174, 23593), (182, 23647), (183, 23650), (198, 23755), (203, 23776), (204, 23785), (226, 23890), (260, 24085), (268, 24142), (296, 24259), (297, 24265), (351, 24436),

Gene: Cintron_31 Start: 23005, Stop: 24864, Start Num: 7

Candidate Starts for Cintron_31:

(Start: 7 @23005 has 153 MA's), (25, 23131), (31, 23155), (53, 23260), (54, 23266), (61, 23314), (64, 23323), (70, 23365), (83, 23410), (85, 23416), (106, 23521), (110, 23533), (124, 23611), (137, 23680), (164, 23848), (174, 23908), (177, 23932), (178, 23935), (182, 23962), (183, 23965), (198, 24070), (204, 24100), (207, 24115), (226, 24205), (233, 24244), (239, 24271), (243, 24289), (297, 24580), (322, 24658), (326, 24670), (328, 24676), (340, 24715), (347, 24742), (350, 24748), (373, 24841),

Gene: Citius_31 Start: 22975, Stop: 24831, Start Num: 7

Candidate Starts for Citius_31:

(Start: 7 @22975 has 153 MA's), (25, 23101), (31, 23125), (53, 23230), (54, 23236), (61, 23284), (70, 23335), (83, 23380), (85, 23386), (106, 23491), (110, 23503), (124, 23581), (137, 23650), (174, 23878), (177, 23902), (178, 23905), (182, 23932), (183, 23935), (198, 24040), (204, 24070), (207, 24085), (226, 24175), (233, 24214), (243, 24259), (268, 24427), (296, 24544), (297, 24550), (309, 24595), (328, 24646), (329, 24649), (347, 24712), (351, 24721), (373, 24808),

Gene: Clarenza_31 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for Clarenza_31:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (106, 23473), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (243, 24241), (268, 24409), (296, 24526), (297, 24532), (309, 24577), (328, 24628), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: Cocoaberry_31 Start: 22964, Stop: 24820, Start Num: 7

Candidate Starts for Cocoaberry_31:

(Start: 7 @22964 has 153 MA's), (25, 23090), (31, 23114), (53, 23219), (54, 23225), (61, 23273), (64, 23282), (70, 23324), (83, 23369), (85, 23375), (106, 23480), (110, 23492), (124, 23570), (137, 23639), (174, 23867), (177, 23891), (178, 23894), (182, 23921), (183, 23924), (198, 24029), (203, 24050), (204, 24059), (226, 24164), (233, 24203), (243, 24248), (267, 24410), (268, 24416), (296, 24533), (297, 24539), (309, 24584), (328, 24635), (329, 24638), (347, 24701), (351, 24710), (373, 24797),

Gene: Colbster_33 Start: 23277, Stop: 25034, Start Num: 6

Candidate Starts for Colbster_33:

(Start: 6 @23277 has 110 MA's), (25, 23412), (40, 23478), (49, 23523), (56, 23559), (83, 23691), (89, 23727), (94, 23748), (118, 23805), (132, 23865), (144, 23919), (153, 23979), (172, 24099), (174, 24102), (184, 24171), (185, 24195), (204, 24288), (210, 24309), (220, 24354), (280, 24684), (297, 24753), (316, 24816), (367, 24987),

Gene: Colin_35 Start: 24479, Stop: 26257, Start Num: 8

Candidate Starts for Colin_35:

(Start: 8 @24479 has 26 MA's), (25, 24593), (27, 24602), (56, 24734), (115, 25001), (136, 25091), (137, 25109), (141, 25133), (175, 25334), (179, 25373), (190, 25463), (204, 25520), (218, 25574), (230, 25643), (253, 25760), (261, 25805), (263, 25823), (289, 25940), (294, 25961), (298, 25982), (322, 26054), (345, 26135), (356, 26165), (363, 26195), (375, 26240),

Gene: Commander_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Commander_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Connomayer_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Connomayer_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Conquerage_33 Start: 24407, Stop: 26173, Start Num: 8

Candidate Starts for Conquerage_33:

(Start: 8 @24407 has 26 MA's), (40, 24593), (58, 24683), (69, 24728), (71, 24737), (89, 24815), (95, 24839), (103, 24875), (136, 25004), (137, 25022), (175, 25247), (178, 25268), (179, 25286), (190, 25376), (204, 25433), (230, 25556), (255, 25679), (261, 25718), (268, 25775), (289, 25856), (294, 25877), (295, 25880), (322, 25970), (356, 26081), (375, 26156),

Gene: Cullens_33 Start: 23276, Stop: 25033, Start Num: 6

Candidate Starts for Cullens_33:

(Start: 6 @23276 has 110 MA's), (25, 23411), (40, 23477), (49, 23522), (56, 23558), (83, 23690), (89, 23726), (94, 23747), (118, 23804), (132, 23864), (144, 23918), (153, 23978), (172, 24098), (174, 24101), (184, 24170), (185, 24194), (204, 24287), (210, 24308), (220, 24353), (280, 24683), (297, 24752), (316, 24815), (367, 24986),

Gene: D29_31 Start: 22559, Stop: 24412, Start Num: 12

Candidate Starts for D29_31:

(Start: 9 @22553 has 4 MA's), (Start: 12 @22559 has 35 MA's), (27, 22679), (47, 22769), (58, 22829), (66, 22880), (87, 22973), (90, 22997), (91, 23003), (191, 23510), (208, 23579), (227, 23666), (244, 23747), (345, 24191), (350, 24206), (362, 24260), (369, 24284), (370, 24293), (380, 24329),

Gene: D32_34 Start: 22559, Stop: 24412, Start Num: 12

Candidate Starts for D32_34:

(Start: 9 @22553 has 4 MA's), (Start: 12 @22559 has 35 MA's), (27, 22679), (47, 22769), (58, 22829), (66, 22880), (87, 22973), (90, 22997), (91, 23003), (191, 23510), (208, 23579), (227, 23666), (244, 23747), (345, 24191), (350, 24206), (362, 24260), (369, 24284), (370, 24293), (380, 24329),

Gene: DBQu4n_34 Start: 22559, Stop: 24412, Start Num: 12

Candidate Starts for DBQu4n_34:

(Start: 9 @22553 has 4 MA's), (Start: 12 @22559 has 35 MA's), (27, 22679), (47, 22769), (58, 22829), (66, 22880), (87, 22973), (90, 22997), (91, 23003), (191, 23510), (208, 23579), (227, 23666), (244, 23747), (254, 23813), (273, 23930), (331, 24149), (336, 24161), (345, 24191), (362, 24260), (369, 24284), (370, 24293), (380, 24329),

Gene: DaHudson_33 Start: 23269, Stop: 25026, Start Num: 6

Candidate Starts for DaHudson_33:

(Start: 6 @23269 has 110 MA's), (25, 23404), (40, 23470), (49, 23515), (56, 23551), (83, 23683), (89, 23719), (94, 23740), (118, 23797), (132, 23857), (144, 23911), (153, 23971), (172, 24091), (174, 24094), (184, 24163), (185, 24187), (204, 24280), (210, 24301), (220, 24346), (280, 24676), (297, 24745), (316, 24808), (367, 24979),

Gene: Daishi_32 Start: 22205, Stop: 23956, Start Num: 6

Candidate Starts for Daishi_32:

(Start: 6 @22205 has 110 MA's), (25, 22340), (40, 22406), (49, 22451), (56, 22487), (77, 22598), (83, 22619), (89, 22655), (94, 22676), (132, 22793), (156, 22931), (172, 23027), (174, 23030), (184, 23099), (185, 23123), (193, 23168), (204, 23216), (220, 23282), (251, 23453), (253, 23459), (262, 23510), (268, 23555), (276, 23585), (287, 23633), (297, 23675), (302, 23690), (303, 23693), (309, 23717), (342, 23819), (343, 23822), (351, 23846),

Gene: Darrell_33 Start: 24371, Stop: 26137, Start Num: 8

Candidate Starts for Darrell_33:

(Start: 8 @24371 has 26 MA's), (40, 24557), (54, 24623), (58, 24647), (69, 24692), (71, 24701), (88, 24770), (89, 24779), (103, 24839), (116, 24881), (126, 24935), (136, 24968), (137, 24986), (141, 25010), (142, 25016), (170, 25184), (175, 25211), (179, 25250), (190, 25340), (204, 25397), (230, 25520), (238, 25559), (255, 25643), (261, 25682), (289, 25820), (294, 25841), (295, 25844), (297, 25856), (309, 25901), (345, 26015), (356, 26045), (375, 26120),

Gene: Datway_31 Start: 22981, Stop: 24840, Start Num: 7

Candidate Starts for Datway_31:

(2, 22921), (Start: 7 @22981 has 153 MA's), (20, 23047), (22, 23092), (24, 23098), (31, 23131), (35, 23149), (44, 23194), (46, 23200), (47, 23206), (64, 23299), (65, 23314), (83, 23386), (95, 23446), (106, 23497), (110, 23509), (124, 23587), (137, 23656), (155, 23779), (160, 23803), (174, 23884), (179, 23929), (182, 23938), (183, 23941), (203, 24070), (204, 24079), (216, 24121), (220, 24148), (226, 24184), (230, 24211), (233, 24223), (260, 24379), (296, 24553), (297, 24559), (309, 24604), (328, 24655), (329, 24658), (340, 24694), (351, 24730),

Gene: Deano_31 Start: 22968, Stop: 24824, Start Num: 7

Candidate Starts for Deano_31:

(Start: 7 @22968 has 153 MA's), (25, 23094), (31, 23118), (53, 23223), (54, 23229), (61, 23277), (64, 23286), (70, 23328), (83, 23373), (85, 23379), (106, 23484), (110, 23496), (124, 23574), (137, 23643),

(174, 23871), (177, 23895), (178, 23898), (182, 23925), (183, 23928), (198, 24033), (204, 24063), (207, 24078), (226, 24168), (233, 24207), (243, 24252), (268, 24420), (296, 24537), (297, 24543), (309, 24588), (328, 24639), (329, 24642), (347, 24705), (351, 24714), (373, 24801),

Gene: Dhanush_31 Start: 22963, Stop: 24819, Start Num: 7

Candidate Starts for Dhanush_31:

(Start: 7 @22963 has 153 MA's), (25, 23089), (31, 23113), (53, 23218), (54, 23224), (61, 23272), (64, 23281), (70, 23323), (83, 23368), (85, 23374), (106, 23479), (110, 23491), (124, 23569), (137, 23638), (174, 23866), (177, 23890), (178, 23893), (182, 23920), (183, 23923), (198, 24028), (204, 24058), (207, 24073), (226, 24163), (233, 24202), (243, 24247), (268, 24415), (296, 24532), (297, 24538), (309, 24583), (328, 24634), (329, 24637), (347, 24700), (351, 24709), (373, 24796),

Gene: Dieselweasel_33 Start: 23278, Stop: 25035, Start Num: 6

Candidate Starts for Dieselweasel_33:

(Start: 6 @23278 has 110 MA's), (25, 23413), (40, 23479), (49, 23524), (56, 23560), (83, 23692), (89, 23728), (94, 23749), (118, 23806), (132, 23866), (144, 23920), (153, 23980), (172, 24100), (174, 24103), (184, 24172), (185, 24196), (204, 24289), (210, 24310), (220, 24355), (280, 24685), (297, 24754), (316, 24817), (367, 24988),

Gene: DirtyDunning_31 Start: 22953, Stop: 24809, Start Num: 7

Candidate Starts for DirtyDunning_31:

(Start: 7 @22953 has 153 MA's), (25, 23079), (31, 23103), (53, 23208), (54, 23214), (61, 23262), (64, 23271), (70, 23313), (83, 23358), (85, 23364), (106, 23469), (110, 23481), (120, 23544), (124, 23559), (137, 23628), (164, 23796), (174, 23856), (178, 23883), (182, 23910), (183, 23913), (198, 24018), (203, 24039), (204, 24048), (226, 24153), (243, 24237), (258, 24336), (296, 24522), (297, 24528), (309, 24573), (328, 24624), (329, 24627), (347, 24690), (351, 24699), (373, 24786),

Gene: DreamTeam1_31 Start: 22328, Stop: 23986, Start Num: 11

Candidate Starts for DreamTeam1_31:

(Start: 11 @22328 has 12 MA's), (13, 22334), (35, 22484), (41, 22514), (52, 22565), (63, 22631), (72, 22679), (82, 22703), (102, 22778), (135, 22892), (187, 23183), (195, 23219), (222, 23339), (242, 23453), (266, 23612), (268, 23627), (281, 23681), (357, 23870),

Gene: Druantia_31 Start: 22961, Stop: 24817, Start Num: 7

Candidate Starts for Druantia_31:

(Start: 7 @22961 has 153 MA's), (25, 23087), (31, 23111), (53, 23216), (54, 23222), (61, 23270), (64, 23279), (70, 23321), (83, 23366), (85, 23372), (106, 23477), (110, 23489), (124, 23567), (137, 23636), (174, 23864), (177, 23888), (178, 23891), (182, 23918), (183, 23921), (198, 24026), (204, 24056), (207, 24071), (226, 24161), (233, 24200), (243, 24245), (268, 24413), (296, 24530), (297, 24536), (309, 24581), (328, 24632), (329, 24635), (347, 24698), (351, 24707), (373, 24794),

Gene: Duplo_34 Start: 22597, Stop: 24450, Start Num: 12

Candidate Starts for Duplo_34:

(Start: 9 @22591 has 4 MA's), (Start: 12 @22597 has 35 MA's), (27, 22717), (47, 22807), (58, 22867), (66, 22918), (87, 23011), (90, 23035), (91, 23041), (191, 23548), (208, 23617), (227, 23704), (244, 23785), (273, 23968), (331, 24187), (336, 24199), (345, 24229), (362, 24298), (369, 24322), (370, 24331), (380, 24367),

Gene: EZMoney23_35 Start: 24766, Stop: 26544, Start Num: 12

Candidate Starts for EZMoney23_35:

(Start: 12 @24766 has 35 MA's), (17, 24787), (25, 24877), (27, 24886), (47, 24970), (58, 25030), (89, 25186), (115, 25285), (136, 25375), (137, 25393), (141, 25417), (175, 25618), (179, 25657), (190, 25747), (204, 25804), (255, 26050), (261, 26089), (268, 26146), (289, 26227), (294, 26248), (322,

26341), (345, 26422),

Gene: Eagle_30 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Eagle_30:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (70, 23320), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (164, 23803), (168, 23833), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (203, 24046), (204, 24055), (233, 24199), (243, 24244), (267, 24406), (296, 24529), (309, 24580), (347, 24697), (351, 24706), (373, 24793),

Gene: Eaglepride_34 Start: 23450, Stop: 25285, Start Num: 7

Candidate Starts for Eaglepride_34:

(Start: 7 @23450 has 153 MA's), (15, 23483), (16, 23486), (44, 23660), (56, 23720), (85, 23858), (88, 23879), (93, 23906), (109, 23981), (110, 23987), (116, 24032), (131, 24104), (136, 24119), (137, 24137), (178, 24383), (179, 24401), (186, 24458), (190, 24491), (197, 24512), (204, 24548), (218, 24602), (227, 24653), (231, 24674), (249, 24767), (255, 24794), (258, 24818), (261, 24833), (262, 24839), (289, 24968), (294, 24989), (295, 24992), (316, 25067), (322, 25082), (324, 25091), (332, 25121), (345, 25163), (356, 25193), (363, 25223), (375, 25268),

Gene: Eapen_31 Start: 22959, Stop: 24815, Start Num: 7

Candidate Starts for Eapen_31:

(Start: 7 @22959 has 153 MA's), (25, 23085), (31, 23109), (53, 23214), (54, 23220), (61, 23268), (70, 23319), (83, 23364), (85, 23370), (106, 23475), (110, 23487), (124, 23565), (137, 23634), (174, 23862), (177, 23886), (178, 23889), (182, 23916), (183, 23919), (198, 24024), (204, 24054), (207, 24069), (226, 24159), (233, 24198), (243, 24243), (268, 24411), (296, 24528), (297, 24534), (309, 24579), (328, 24630), (329, 24633), (347, 24696), (351, 24705), (373, 24792),

Gene: Edison31_33 Start: 23483, Stop: 25318, Start Num: 7

Candidate Starts for Edison31_33:

(Start: 7 @23483 has 153 MA's), (15, 23516), (44, 23693), (83, 23885), (85, 23891), (88, 23912), (93, 23939), (126, 24119), (136, 24152), (137, 24170), (141, 24194), (159, 24302), (170, 24368), (179, 24434), (186, 24491), (190, 24524), (204, 24581), (218, 24635), (221, 24650), (230, 24704), (250, 24812), (255, 24827), (258, 24851), (261, 24866), (282, 24983), (289, 25001), (294, 25022), (295, 25025), (316, 25100), (322, 25115), (345, 25196), (356, 25226), (363, 25256), (375, 25301), (376, 25304),

Gene: Eidsmoe_33 Start: 24443, Stop: 26209, Start Num: 8

Candidate Starts for Eidsmoe_33:

(Start: 8 @24443 has 26 MA's), (40, 24629), (58, 24719), (69, 24764), (71, 24773), (89, 24851), (95, 24875), (103, 24911), (136, 25040), (137, 25058), (175, 25283), (178, 25304), (179, 25322), (190, 25412), (204, 25469), (230, 25592), (255, 25715), (261, 25754), (268, 25811), (289, 25892), (294, 25913), (295, 25916), (322, 26006), (356, 26117), (375, 26192),

Gene: Elephantoon_32 Start: 23816, Stop: 25582, Start Num: 8

Candidate Starts for Elephantoon_32:

(Start: 8 @23816 has 26 MA's), (40, 24002), (58, 24092), (69, 24137), (71, 24146), (88, 24215), (89, 24224), (95, 24248), (103, 24284), (116, 24326), (126, 24380), (136, 24413), (137, 24431), (141, 24455), (142, 24461), (170, 24629), (175, 24656), (179, 24695), (190, 24785), (204, 24842), (220, 24908), (230, 24965), (238, 25004), (255, 25088), (261, 25127), (289, 25265), (294, 25286), (295, 25289), (322, 25379), (345, 25460), (375, 25565),

Gene: EmyBug_33 Start: 24443, Stop: 26209, Start Num: 8

Candidate Starts for EmyBug_33:

(Start: 8 @24443 has 26 MA's), (40, 24629), (58, 24719), (69, 24764), (71, 24773), (89, 24851), (95, 24875), (103, 24911), (136, 25040), (137, 25058), (175, 25283), (178, 25304), (179, 25322), (190, 25412), (204, 25469), (230, 25592), (255, 25715), (261, 25754), (268, 25811), (289, 25892), (294, 25913), (295, 25916), (322, 26006), (356, 26117), (375, 26192),

Gene: EpicPhail_33 Start: 23277, Stop: 25034, Start Num: 6

Candidate Starts for EpicPhail_33:

(Start: 6 @23277 has 110 MA's), (25, 23412), (40, 23478), (49, 23523), (56, 23559), (83, 23691), (89, 23727), (94, 23748), (118, 23805), (132, 23865), (144, 23919), (153, 23979), (172, 24099), (174, 24102), (184, 24171), (185, 24195), (204, 24288), (210, 24309), (220, 24354), (280, 24684), (297, 24753), (316, 24816), (367, 24987),

Gene: Eris_30 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Eris_30:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (203, 24046), (204, 24055), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Eros_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Eros_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Eurydice_31 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for Eurydice_31:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (239, 24223), (243, 24241), (258, 24340), (296, 24526), (309, 24577), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: ExplosioNervosa_33 Start: 24446, Stop: 26212, Start Num: 8

Candidate Starts for ExplosioNervosa_33:

(Start: 8 @24446 has 26 MA's), (40, 24632), (58, 24722), (69, 24767), (71, 24776), (89, 24854), (95, 24878), (103, 24914), (136, 25043), (137, 25061), (175, 25286), (178, 25307), (179, 25325), (190, 25415), (204, 25472), (230, 25595), (255, 25718), (261, 25757), (268, 25814), (289, 25895), (294, 25916), (295, 25919), (322, 26009), (356, 26120), (375, 26195),

Gene: Farber_33 Start: 23270, Stop: 25027, Start Num: 6

Candidate Starts for Farber_33:

(Start: 6 @23270 has 110 MA's), (25, 23405), (40, 23471), (49, 23516), (56, 23552), (83, 23684), (89, 23720), (94, 23741), (118, 23798), (132, 23858), (144, 23912), (153, 23972), (172, 24092), (174, 24095), (184, 24164), (185, 24188), (204, 24281), (210, 24302), (220, 24347), (280, 24677), (297, 24746), (316, 24809), (367, 24980),

Gene: Fayely_33 Start: 24410, Stop: 26176, Start Num: 8

Candidate Starts for Fayely_33:

(Start: 8 @24410 has 26 MA's), (13, 24422), (40, 24596), (58, 24686), (69, 24731), (71, 24740), (89, 24818), (95, 24842), (103, 24878), (136, 25007), (137, 25025), (175, 25250), (178, 25271), (179, 25289), (190, 25379), (204, 25436), (230, 25559), (255, 25682), (261, 25721), (268, 25778), (289, 25859), (294, 25880), (295, 25883), (322, 25973), (356, 26084), (375, 26159),

Gene: Fernando_33 Start: 23276, Stop: 25033, Start Num: 6

Candidate Starts for Fernando_33:

(Start: 6 @23276 has 110 MA's), (25, 23411), (40, 23477), (49, 23522), (56, 23558), (83, 23690), (89, 23726), (94, 23747), (118, 23804), (132, 23864), (144, 23918), (153, 23978), (172, 24098), (174, 24101), (184, 24170), (185, 24194), (204, 24287), (210, 24308), (220, 24353), (280, 24683), (297, 24752), (316, 24815), (367, 24986),

Gene: Florean_31 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for Florean_31:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (106, 23473), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (243, 24241), (268, 24409), (296, 24526), (297, 24532), (309, 24577), (328, 24628), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: Flux_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Flux_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Fred313_31 Start: 22584, Stop: 24443, Start Num: 6

Candidate Starts for Fred313_31:

(Start: 6 @22584 has 110 MA's), (24, 22710), (25, 22719), (40, 22785), (44, 22806), (53, 22848), (85, 23004), (93, 23052), (108, 23121), (109, 23127), (113, 23157), (136, 23265), (137, 23283), (141, 23307), (179, 23547), (190, 23637), (219, 23754), (239, 23859), (250, 23925), (255, 23940), (286, 24111), (318, 24216), (333, 24270), (345, 24309), (361, 24363), (368, 24390), (373, 24414),

Gene: Funston_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Funston_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (203, 24046), (204, 24055), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Gadost_31 Start: 22964, Stop: 24820, Start Num: 7

Candidate Starts for Gadost_31:

(Start: 7 @22964 has 153 MA's), (25, 23090), (31, 23114), (53, 23219), (54, 23225), (61, 23273), (64, 23282), (70, 23324), (83, 23369), (85, 23375), (106, 23480), (110, 23492), (124, 23570), (137, 23639), (174, 23867), (177, 23891), (178, 23894), (182, 23921), (183, 23924), (198, 24029), (203, 24050), (204, 24059), (226, 24164), (233, 24203), (243, 24248), (267, 24410), (268, 24416), (296, 24533), (297, 24539), (309, 24584), (328, 24635), (329, 24638), (347, 24701), (351, 24710), (373, 24797),

Gene: GaugeLDP_33 Start: 24026, Stop: 25807, Start Num: 12

Candidate Starts for GaugeLDP_33:

(Start: 12 @24026 has 35 MA's), (17, 24047), (25, 24137), (27, 24146), (28, 24152), (56, 24284), (58, 24296), (67, 24353), (70, 24371), (99, 24485), (115, 24551), (136, 24641), (137, 24659), (141, 24683), (175, 24884), (179, 24923), (190, 25013), (197, 25034), (218, 25124), (227, 25175), (231, 25196), (258, 25340), (261, 25355), (264, 25385), (289, 25490), (294, 25511), (322, 25604), (332, 25643), (345, 25685), (356, 25715), (375, 25790),

Gene: Gemma_33 Start: 23357, Stop: 25165, Start Num: 6

Candidate Starts for Gemma_33:

(Start: 6 @23357 has 110 MA's), (25, 23492), (40, 23558), (49, 23603), (56, 23639), (71, 23729), (79, 23753), (88, 23798), (94, 23828), (136, 23996), (137, 24014), (141, 24038), (167, 24200), (175, 24239), (179, 24278), (190, 24368), (227, 24530), (231, 24551), (248, 24638), (258, 24695), (261, 24710), (270, 24773), (289, 24848), (294, 24869), (322, 24962), (332, 25001), (345, 25043), (373, 25142),

Gene: GingkoMaracino_33 Start: 23163, Stop: 24920, Start Num: 6

Candidate Starts for GingkoMaracino_33:

(Start: 6 @23163 has 110 MA's), (25, 23298), (40, 23364), (49, 23409), (56, 23445), (83, 23577), (89, 23613), (94, 23634), (118, 23691), (132, 23751), (144, 23805), (153, 23865), (172, 23985), (174, 23988), (184, 24057), (185, 24081), (204, 24174), (210, 24195), (220, 24240), (280, 24570), (297, 24639), (316, 24702), (367, 24873),

Gene: Giroux_31 Start: 22838, Stop: 24697, Start Num: 6

Candidate Starts for Giroux_31:

(Start: 6 @22838 has 110 MA's), (27, 22982), (31, 22997), (40, 23039), (63, 23162), (71, 23210), (83, 23252), (85, 23258), (88, 23279), (136, 23519), (140, 23549), (147, 23597), (167, 23723), (175, 23762), (179, 23801), (186, 23858), (190, 23891), (227, 24053), (228, 24056), (239, 24113), (250, 24179), (255, 24194), (295, 24395), (332, 24521), (333, 24524), (359, 24605), (361, 24617), (368, 24644), (375, 24674),

Gene: Goose_32 Start: 23270, Stop: 25105, Start Num: 7

Candidate Starts for Goose_32:

(Start: 7 @23270 has 153 MA's), (15, 23303), (19, 23318), (71, 23630), (79, 23654), (83, 23672), (84, 23675), (85, 23678), (88, 23699), (93, 23726), (136, 23939), (137, 23957), (141, 23981), (163, 24116), (165, 24125), (179, 24221), (186, 24278), (190, 24311), (218, 24422), (230, 24491), (250, 24599), (255, 24614), (261, 24653), (262, 24659), (273, 24725), (289, 24788), (294, 24809), (295, 24812), (296, 24818), (298, 24830), (316, 24887), (322, 24902), (324, 24911), (329, 24926), (345, 24983), (363, 25043), (375, 25088), (376, 25091),

Gene: Grif_33 Start: 23360, Stop: 25111, Start Num: 6

Candidate Starts for Grif_33:

(Start: 6 @23360 has 110 MA's), (25, 23495), (40, 23561), (49, 23606), (56, 23642), (68, 23714), (71, 23732), (89, 23810), (94, 23831), (132, 23948), (156, 24086), (172, 24182), (174, 24185), (184, 24254), (185, 24278), (193, 24323), (204, 24371), (220, 24437), (251, 24608), (253, 24614), (262, 24665), (268, 24710), (287, 24788), (297, 24830), (309, 24872), (342, 24974), (343, 24977), (351, 25001),

Gene: Groupthink_34 Start: 23361, Stop: 25169, Start Num: 6

Candidate Starts for Groupthink_34:

(Start: 6 @23361 has 110 MA's), (25, 23496), (40, 23562), (49, 23607), (56, 23643), (71, 23733), (79, 23757), (88, 23802), (94, 23832), (136, 24000), (137, 24018), (141, 24042), (167, 24204), (175, 24243), (179, 24282), (190, 24372), (227, 24534), (231, 24555), (248, 24642), (258, 24699), (261, 24714), (270, 24777), (289, 24852), (294, 24873), (322, 24966), (332, 25005), (345, 25047), (373, 25146),

Gene: Grub_33 Start: 23269, Stop: 25026, Start Num: 6

Candidate Starts for Grub_33:

(Start: 6 @23269 has 110 MA's), (25, 23404), (40, 23470), (49, 23515), (56, 23551), (83, 23683), (89, 23719), (94, 23740), (118, 23797), (132, 23857), (144, 23911), (153, 23971), (172, 24091), (174, 24094), (184, 24163), (185, 24187), (204, 24280), (210, 24301), (220, 24346), (280, 24676), (297, 24745), (316, 24808), (367, 24979),

Gene: Grum1_33 Start: 23276, Stop: 25033, Start Num: 6

Candidate Starts for Grum1_33:

(Start: 6 @23276 has 110 MA's), (25, 23411), (40, 23477), (49, 23522), (56, 23558), (83, 23690), (89, 23726), (94, 23747), (118, 23804), (132, 23864), (144, 23918), (153, 23978), (172, 24098), (174, 24101), (184, 24170), (185, 24194), (204, 24287), (210, 24308), (220, 24353), (280, 24683), (297, 24752), (316, 24815), (367, 24986),

Gene: GtownJaz_33 Start: 23278, Stop: 25035, Start Num: 6

Candidate Starts for GtownJaz_33:

(Start: 6 @23278 has 110 MA's), (25, 23413), (40, 23479), (49, 23524), (56, 23560), (83, 23692), (89, 23728), (94, 23749), (118, 23806), (132, 23866), (144, 23920), (153, 23980), (172, 24100), (174, 24103), (184, 24172), (185, 24196), (204, 24289), (210, 24310), (220, 24355), (280, 24685), (297, 24754), (316, 24817), (367, 24988),

Gene: HamSlice_30 Start: 22958, Stop: 24814, Start Num: 7

Candidate Starts for HamSlice_30:

(Start: 7 @22958 has 153 MA's), (25, 23084), (31, 23108), (53, 23213), (54, 23219), (61, 23267), (70, 23318), (83, 23363), (85, 23369), (106, 23474), (110, 23486), (124, 23564), (137, 23633), (174, 23861), (177, 23885), (178, 23888), (182, 23915), (183, 23918), (198, 24023), (204, 24053), (207, 24068), (226, 24158), (233, 24197), (243, 24242), (268, 24410), (296, 24527), (297, 24533), (309, 24578), (328, 24629), (329, 24632), (347, 24695), (351, 24704), (373, 24791),

Gene: Happiness_31 Start: 22966, Stop: 24822, Start Num: 7

Candidate Starts for Happiness_31:

(Start: 7 @22966 has 153 MA's), (25, 23092), (31, 23116), (47, 23191), (53, 23221), (61, 23275), (64, 23284), (70, 23326), (85, 23377), (106, 23482), (110, 23494), (124, 23572), (137, 23641), (164, 23809), (168, 23839), (174, 23869), (177, 23893), (178, 23896), (182, 23923), (183, 23926), (198, 24031), (203, 24052), (204, 24061), (226, 24166), (233, 24205), (243, 24250), (267, 24412), (296, 24535), (309, 24586), (328, 24637), (329, 24640), (347, 24703), (351, 24712), (373, 24799),

Gene: HashRod_34 Start: 23364, Stop: 25115, Start Num: 6

Candidate Starts for HashRod_34:

(Start: 6 @23364 has 110 MA's), (25, 23499), (40, 23565), (49, 23610), (56, 23646), (77, 23757), (83, 23778), (89, 23814), (94, 23835), (132, 23952), (156, 24090), (172, 24186), (174, 24189), (184, 24258), (185, 24282), (193, 24327), (204, 24375), (220, 24441), (251, 24612), (253, 24618), (262, 24669), (268, 24714), (276, 24744), (287, 24792), (297, 24834), (302, 24849), (303, 24852), (309, 24876), (342, 24978), (343, 24981), (351, 25005),

Gene: HaveUMetTed_34 Start: 23354, Stop: 25162, Start Num: 6

Candidate Starts for HaveUMetTed_34:

(Start: 6 @23354 has 110 MA's), (25, 23489), (40, 23555), (49, 23600), (50, 23603), (79, 23750), (88, 23795), (94, 23825), (136, 23993), (137, 24011), (141, 24035), (167, 24197), (175, 24236), (179, 24275), (190, 24365), (227, 24527), (231, 24548), (248, 24635), (258, 24692), (261, 24707), (270, 24770), (289, 24845), (294, 24866), (322, 24959), (332, 24998), (345, 25040), (373, 25139),

Gene: Heathen_31 Start: 22640, Stop: 24499, Start Num: 6

Candidate Starts for Heathen_31:

(Start: 6 @22640 has 110 MA's), (24, 22766), (25, 22775), (40, 22841), (44, 22862), (53, 22904), (85, 23060), (93, 23108), (108, 23177), (109, 23183), (113, 23213), (136, 23321), (137, 23339), (141, 23363), (179, 23603), (190, 23693), (219, 23810), (239, 23915), (250, 23981), (255, 23996), (286, 24167), (318, 24272), (333, 24326), (345, 24365), (361, 24419), (368, 24446), (373, 24470),

Gene: Heffalump_33 Start: 24558, Stop: 26342, Start Num: 12

Candidate Starts for Heffalump_33:

(Start: 12 @24558 has 35 MA's), (17, 24579), (27, 24678), (35, 24711), (47, 24768), (54, 24804), (115, 25083), (116, 25086), (136, 25173), (137, 25191), (141, 25215), (157, 25314), (167, 25377), (175, 25416), (179, 25455), (190, 25545), (198, 25575), (205, 25605), (212, 25629), (227, 25707), (231, 25728), (258, 25872), (261, 25887), (289, 26025), (294, 26046), (322, 26139), (332, 26178), (336, 26187), (345, 26220), (356, 26250), (363, 26280), (373, 26319),

Gene: HelDan_31 Start: 22892, Stop: 24751, Start Num: 6

Candidate Starts for HelDan_31:

(Start: 6 @22892 has 110 MA's), (24, 23018), (25, 23027), (40, 23093), (44, 23114), (53, 23156), (85, 23312), (93, 23360), (108, 23429), (109, 23435), (113, 23465), (136, 23573), (137, 23591), (141, 23615), (179, 23855), (190, 23945), (219, 24062), (239, 24167), (250, 24233), (255, 24248), (286, 24419), (318, 24524), (333, 24578), (345, 24617), (361, 24671), (368, 24698), (373, 24722),

Gene: Heliosoles_33 Start: 23361, Stop: 25169, Start Num: 6

Candidate Starts for Heliosoles_33:

(Start: 6 @23361 has 110 MA's), (25, 23496), (40, 23562), (49, 23607), (56, 23643), (71, 23733), (79, 23757), (88, 23802), (94, 23832), (136, 24000), (137, 24018), (141, 24042), (167, 24204), (175, 24243), (179, 24282), (190, 24372), (227, 24534), (231, 24555), (248, 24642), (258, 24699), (261, 24714), (270, 24777), (289, 24852), (294, 24873), (322, 24966), (332, 25005), (345, 25047), (373, 25146),

Gene: Hercules11_33 Start: 23284, Stop: 25041, Start Num: 6

Candidate Starts for Hercules11_33:

(Start: 6 @23284 has 110 MA's), (25, 23419), (40, 23485), (49, 23530), (56, 23566), (83, 23698), (89, 23734), (94, 23755), (118, 23812), (132, 23872), (144, 23926), (153, 23986), (172, 24106), (174, 24109), (184, 24178), (185, 24202), (204, 24295), (210, 24316), (220, 24361), (280, 24691), (297, 24760), (316, 24823), (367, 24994),

Gene: Holli_31 Start: 22750, Stop: 24606, Start Num: 7

Candidate Starts for Holli_31:

(Start: 7 @22750 has 153 MA's), (25, 22876), (31, 22900), (53, 23005), (54, 23011), (61, 23059), (64, 23068), (70, 23110), (83, 23155), (85, 23161), (106, 23266), (110, 23278), (124, 23356), (137, 23425), (174, 23653), (177, 23677), (178, 23680), (182, 23707), (183, 23710), (198, 23815), (204, 23845), (207, 23860), (226, 23950), (233, 23989), (243, 24034), (268, 24202), (296, 24319), (297, 24325), (309, 24370), (328, 24421), (329, 24424), (347, 24487), (351, 24496), (373, 24583),

Gene: Hookmount_32 Start: 23374, Stop: 25233, Start Num: 6

Candidate Starts for Hookmount_32:

(Start: 6 @23374 has 110 MA's), (27, 23518), (32, 23536), (40, 23575), (44, 23596), (53, 23638), (56, 23656), (88, 23815), (93, 23842), (113, 23947), (116, 23968), (136, 24055), (141, 24097), (179, 24337), (190, 24427), (204, 24484), (239, 24649), (249, 24703), (250, 24715), (255, 24730), (277, 24859), (278, 24871), (295, 24931), (297, 24943), (310, 24988), (318, 25006), (361, 25153), (368, 25180), (375, 25210),

Gene: HortumSL17_33 Start: 24377, Stop: 26143, Start Num: 8

Candidate Starts for HortumSL17_33:

(Start: 8 @24377 has 26 MA's), (13, 24389), (40, 24563), (58, 24653), (69, 24698), (71, 24707), (89, 24785), (95, 24809), (103, 24845), (136, 24974), (137, 24992), (175, 25217), (178, 25238), (179, 25256), (190, 25346), (204, 25403), (230, 25526), (255, 25649), (261, 25688), (268, 25745), (289, 25826), (294, 25847), (295, 25850), (322, 25940), (356, 26051), (375, 26126),

Gene: Houdini22_31 Start: 22964, Stop: 24820, Start Num: 7

Candidate Starts for Houdini22_31:

(Start: 7 @22964 has 153 MA's), (25, 23090), (31, 23114), (53, 23219), (54, 23225), (61, 23273), (64, 23282), (70, 23324), (83, 23369), (85, 23375), (106, 23480), (110, 23492), (124, 23570), (137, 23639), (174, 23867), (177, 23891), (178, 23894), (182, 23921), (183, 23924), (198, 24029), (203, 24050), (204, 24059), (226, 24164), (233, 24203), (243, 24248), (267, 24410), (268, 24416), (296, 24533), (297, 24539), (309, 24584), (328, 24635), (329, 24638), (347, 24701), (351, 24710), (373, 24797),

Gene: ICleared_31 Start: 22958, Stop: 24814, Start Num: 7

Candidate Starts for ICleared_31:

(Start: 7 @22958 has 153 MA's), (25, 23084), (31, 23108), (53, 23213), (54, 23219), (61, 23267), (70, 23318), (83, 23363), (85, 23369), (106, 23474), (110, 23486), (124, 23564), (137, 23633), (174, 23861), (177, 23885), (178, 23888), (182, 23915), (183, 23918), (198, 24023), (203, 24044), (204, 24053), (226, 24158), (233, 24197), (243, 24242), (267, 24404), (268, 24410), (296, 24527), (297, 24533), (309, 24578), (328, 24629), (329, 24632), (347, 24695), (351, 24704), (373, 24791),

Gene: Iceman_32 Start: 23249, Stop: 25105, Start Num: 7

Candidate Starts for Iceman_32:

(Start: 7 @23249 has 153 MA's), (25, 23375), (31, 23399), (53, 23504), (54, 23510), (61, 23558), (70, 23609), (83, 23654), (85, 23660), (106, 23765), (110, 23777), (124, 23855), (137, 23924), (174, 24152), (177, 24176), (178, 24179), (182, 24206), (183, 24209), (198, 24314), (204, 24344), (207, 24359), (226, 24449), (233, 24488), (243, 24533), (268, 24701), (295, 24812), (296, 24818), (297, 24824), (309, 24869), (328, 24920), (329, 24923), (347, 24986), (351, 24995), (373, 25082),

Gene: Idleandcovert_31 Start: 22838, Stop: 24697, Start Num: 6

Candidate Starts for Idleandcovert_31:

(Start: 6 @22838 has 110 MA's), (27, 22982), (31, 22997), (40, 23039), (63, 23162), (71, 23210), (83, 23252), (85, 23258), (88, 23279), (136, 23519), (140, 23549), (147, 23597), (167, 23723), (175, 23762), (179, 23801), (186, 23858), (190, 23891), (227, 24053), (228, 24056), (239, 24113), (250, 24179), (255, 24194), (295, 24395), (332, 24521), (333, 24524), (359, 24605), (361, 24617), (368, 24644), (375, 24674),

Gene: Iracema64_32 Start: 23268, Stop: 25124, Start Num: 7

Candidate Starts for Iracema64_32:

(Start: 7 @23268 has 153 MA's), (25, 23394), (31, 23418), (53, 23523), (54, 23529), (61, 23577), (64, 23586), (70, 23628), (83, 23673), (85, 23679), (106, 23784), (110, 23796), (120, 23859), (124, 23874), (137, 23943), (164, 24111), (174, 24171), (178, 24198), (182, 24225), (183, 24228), (198, 24333), (203, 24354), (204, 24363), (226, 24468), (243, 24552), (258, 24651), (296, 24837), (297, 24843), (309, 24888), (328, 24939), (329, 24942), (347, 25005), (351, 25014), (373, 25101),

Gene: IronMan_34 Start: 24846, Stop: 26621, Start Num: 12

Candidate Starts for IronMan_34:

(1, 24744), (Start: 12 @24846 has 35 MA's), (17, 24867), (25, 24957), (27, 24966), (41, 25023), (47, 25050), (50, 25065), (64, 25143), (85, 25236), (88, 25257), (94, 25287), (99, 25299), (126, 25422), (136, 25455), (137, 25473), (141, 25497), (161, 25611), (175, 25698), (179, 25737), (186, 25794), (227, 25989), (231, 26010), (258, 26154), (261, 26169), (289, 26304), (295, 26328), (322, 26418),

(345, 26499), (375, 26604),

Gene: Isca_31 Start: 22776, Stop: 24635, Start Num: 6

Candidate Starts for Isca_31:

(Start: 6 @22776 has 110 MA's), (24, 22902), (27, 22920), (31, 22935), (40, 22977), (85, 23196), (88, 23217), (93, 23244), (109, 23319), (113, 23349), (136, 23457), (137, 23475), (141, 23499), (179, 23739), (186, 23796), (190, 23829), (215, 23922), (219, 23946), (239, 24051), (250, 24117), (255, 24132), (286, 24303), (318, 24408), (332, 24459), (333, 24462), (345, 24501), (361, 24555), (368, 24582), (373, 24606),

Gene: JF2_31 Start: 22527, Stop: 24386, Start Num: 6

Candidate Starts for JF2_31:

(Start: 6 @22527 has 110 MA's), (24, 22653), (27, 22671), (31, 22686), (40, 22728), (53, 22791), (84, 22944), (85, 22947), (88, 22968), (93, 22995), (109, 23070), (116, 23121), (136, 23208), (141, 23250), (179, 23490), (186, 23547), (190, 23580), (215, 23673), (219, 23697), (239, 23802), (250, 23868), (255, 23883), (286, 24054), (318, 24159), (333, 24213), (345, 24252), (360, 24300), (361, 24306), (368, 24333), (373, 24357),

Gene: JF4_31 Start: 22527, Stop: 24386, Start Num: 6

Candidate Starts for JF4_31:

(Start: 6 @22527 has 110 MA's), (24, 22653), (27, 22671), (31, 22686), (40, 22728), (53, 22791), (84, 22944), (85, 22947), (88, 22968), (93, 22995), (109, 23070), (116, 23121), (136, 23208), (141, 23250), (179, 23490), (186, 23547), (190, 23580), (215, 23673), (219, 23697), (239, 23802), (250, 23868), (255, 23883), (286, 24054), (318, 24159), (333, 24213), (345, 24252), (360, 24300), (361, 24306), (368, 24333), (373, 24357),

Gene: JHC117_33 Start: 23275, Stop: 25032, Start Num: 6

Candidate Starts for JHC117_33:

(Start: 6 @23275 has 110 MA's), (25, 23410), (40, 23476), (49, 23521), (56, 23557), (83, 23689), (89, 23725), (94, 23746), (118, 23803), (132, 23863), (144, 23917), (153, 23977), (172, 24097), (174, 24100), (184, 24169), (185, 24193), (204, 24286), (210, 24307), (220, 24352), (280, 24682), (297, 24751), (316, 24814), (367, 24985),

Gene: Jaan_35 Start: 25218, Stop: 26993, Start Num: 7

Candidate Starts for Jaan_35:

(4, 25179), (Start: 7 @25218 has 153 MA's), (25, 25329), (27, 25338), (41, 25395), (47, 25422), (64, 25515), (85, 25608), (88, 25629), (94, 25659), (99, 25671), (126, 25794), (136, 25827), (137, 25845), (141, 25869), (161, 25983), (164, 26007), (175, 26070), (179, 26109), (183, 26121), (186, 26166), (227, 26361), (231, 26382), (261, 26541), (262, 26547), (273, 26613), (289, 26676), (294, 26697), (322, 26790), (345, 26871), (356, 26901), (363, 26931), (375, 26976),

Gene: Jaykayelowell_31 Start: 22956, Stop: 24812, Start Num: 7

Candidate Starts for Jaykayelowell_31:

(Start: 7 @22956 has 153 MA's), (25, 23082), (31, 23106), (53, 23211), (54, 23217), (61, 23265), (70, 23316), (83, 23361), (85, 23367), (106, 23472), (110, 23484), (124, 23562), (137, 23631), (174, 23859), (178, 23886), (182, 23913), (183, 23916), (198, 24021), (204, 24051), (207, 24066), (226, 24156), (233, 24195), (243, 24240), (268, 24408), (296, 24525), (297, 24531), (309, 24576), (328, 24627), (329, 24630), (347, 24693), (351, 24702), (373, 24789),

Gene: Jeeves_31 Start: 21978, Stop: 23861, Start Num: 11

Candidate Starts for Jeeves_31:

(Start: 11 @21978 has 12 MA's), (13, 21984), (48, 22194), (54, 22227), (58, 22251), (61, 22272), (78, 22347), (100, 22437), (119, 22551), (143, 22692), (151, 22746), (173, 22881), (181, 22935), (189,

23019), (213, 23118), (222, 23163), (236, 23247), (252, 23346), (256, 23370), (266, 23436), (268, 23451), (297, 23571), (304, 23598), (342, 23688), (351, 23724), (357, 23748), (364, 23781), (374, 23823), (381, 23850), (382, 23853),

Gene: JenCasNa_33 Start: 23276, Stop: 25033, Start Num: 6

Candidate Starts for JenCasNa_33:

(Start: 6 @23276 has 110 MA's), (25, 23411), (40, 23477), (49, 23522), (56, 23558), (83, 23690), (89, 23726), (94, 23747), (118, 23804), (132, 23864), (144, 23918), (153, 23978), (172, 24098), (174, 24101), (184, 24170), (185, 24194), (204, 24287), (210, 24308), (220, 24353), (280, 24683), (297, 24752), (316, 24815), (367, 24986),

Gene: JeppNRM_34 Start: 23360, Stop: 25168, Start Num: 6

Candidate Starts for JeppNRM_34:

(Start: 6 @23360 has 110 MA's), (25, 23495), (40, 23561), (49, 23606), (50, 23609), (68, 23714), (79, 23756), (88, 23801), (94, 23831), (128, 23972), (136, 23999), (137, 24017), (141, 24041), (167, 24203), (175, 24242), (179, 24281), (190, 24371), (227, 24533), (231, 24554), (248, 24641), (258, 24698), (261, 24713), (270, 24776), (289, 24851), (294, 24872), (322, 24965), (332, 25004), (345, 25046), (373, 25145),

Gene: JetBlade_31 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for JetBlade_31:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (106, 23473), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (243, 24241), (268, 24409), (296, 24526), (297, 24532), (309, 24577), (328, 24628), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: Jobu08_33 Start: 23349, Stop: 25154, Start Num: 6

Candidate Starts for Jobu08_33:

(Start: 6 @23349 has 110 MA's), (25, 23484), (40, 23550), (49, 23595), (68, 23703), (79, 23745), (88, 23790), (94, 23820), (136, 23988), (137, 24006), (141, 24030), (164, 24168), (167, 24192), (175, 24231), (179, 24270), (190, 24360), (227, 24522), (231, 24543), (248, 24630), (261, 24702), (264, 24732), (273, 24774), (289, 24837), (295, 24861), (316, 24936), (322, 24951), (332, 24990), (345, 25032), (375, 25137),

Gene: JoongJeon_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for JoongJeon_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Journey13_29 Start: 21908, Stop: 23737, Start Num: 12

Candidate Starts for Journey13_29:

(Start: 12 @21908 has 35 MA's), (29, 22037), (31, 22043), (54, 22154), (58, 22178), (85, 22313), (90, 22346), (91, 22352), (129, 22532), (191, 22850), (218, 22952), (222, 22973), (223, 22979), (224, 22994), (236, 23054), (241, 23081), (279, 23300), (355, 23564), (369, 23624), (383, 23726), (384, 23729),

Gene: Jsquared_30 Start: 21719, Stop: 23470, Start Num: 12

Candidate Starts for Jsquared_30:

(Start: 12 @21719 has 35 MA's), (17, 21740), (27, 21839), (31, 21854), (47, 21929), (54, 21965), (56, 21977), (58, 21989), (61, 22013), (63, 22019), (81, 22100), (87, 22133), (90, 22157), (91, 22163), (107, 22235), (129, 22343), (191, 22661), (222, 22781), (234, 22850), (273, 23081), (292, 23156), (294, 23168), (296, 23177), (306, 23216), (368, 23411), (374, 23438), (375, 23441), (379, 23453),

Gene: KADY_34 Start: 23364, Stop: 25115, Start Num: 6

Candidate Starts for KADY_34:

(Start: 6 @23364 has 110 MA's), (25, 23499), (40, 23565), (49, 23610), (56, 23646), (77, 23757), (83, 23778), (89, 23814), (94, 23835), (132, 23952), (156, 24090), (172, 24186), (174, 24189), (184, 24258), (185, 24282), (193, 24327), (204, 24375), (220, 24441), (251, 24612), (253, 24618), (262, 24669), (268, 24714), (276, 24744), (287, 24792), (297, 24834), (302, 24849), (303, 24852), (309, 24876), (342, 24978), (343, 24981), (351, 25005),

Gene: KFPoly_31 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for KFPoly_31:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (106, 23473), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (203, 24043), (204, 24052), (226, 24157), (233, 24196), (243, 24241), (268, 24409), (296, 24526), (297, 24532), (309, 24577), (328, 24628), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: Kalb97_34 Start: 23360, Stop: 25168, Start Num: 6

Candidate Starts for Kalb97_34:

(Start: 6 @23360 has 110 MA's), (25, 23495), (40, 23561), (49, 23606), (56, 23642), (71, 23732), (79, 23756), (88, 23801), (94, 23831), (136, 23999), (137, 24017), (141, 24041), (167, 24203), (175, 24242), (179, 24281), (190, 24371), (227, 24533), (231, 24554), (248, 24641), (258, 24698), (261, 24713), (270, 24776), (289, 24851), (294, 24872), (322, 24965), (332, 25004), (336, 25013), (345, 25046), (373, 25145),

Gene: Kalnoky_34 Start: 23361, Stop: 25169, Start Num: 6

Candidate Starts for Kalnoky_34:

(Start: 6 @23361 has 110 MA's), (25, 23496), (40, 23562), (49, 23607), (50, 23610), (68, 23715), (79, 23757), (88, 23802), (94, 23832), (128, 23973), (136, 24000), (137, 24018), (141, 24042), (167, 24204), (175, 24243), (179, 24282), (190, 24372), (227, 24534), (231, 24555), (248, 24642), (258, 24699), (261, 24714), (270, 24777), (289, 24852), (294, 24873), (322, 24966), (332, 25005), (345, 25047), (373, 25146),

Gene: Kalpine_34 Start: 24570, Stop: 26348, Start Num: 8

Candidate Starts for Kalpine_34:

(Start: 8 @24570 has 26 MA's), (25, 24684), (27, 24693), (56, 24825), (115, 25092), (136, 25182), (137, 25200), (175, 25425), (179, 25464), (183, 25476), (190, 25554), (204, 25611), (218, 25665), (230, 25734), (253, 25851), (261, 25896), (269, 25953), (289, 26031), (294, 26052), (298, 26073), (322, 26145), (345, 26226), (356, 26256), (363, 26286), (375, 26331),

Gene: Kampy_31 Start: 22958, Stop: 24814, Start Num: 7

Candidate Starts for Kampy_31:

(Start: 7 @22958 has 153 MA's), (25, 23084), (31, 23108), (53, 23213), (54, 23219), (61, 23267), (64, 23276), (70, 23318), (83, 23363), (85, 23369), (106, 23474), (110, 23486), (124, 23564), (137, 23633), (174, 23861), (177, 23885), (178, 23888), (182, 23915), (183, 23918), (198, 24023), (204, 24053), (207, 24068), (226, 24158), (233, 24197), (239, 24224), (243, 24242), (258, 24341), (296, 24527), (309, 24578), (329, 24632), (347, 24695), (351, 24704), (373, 24791),

Gene: Katalie136_31 Start: 22972, Stop: 24831, Start Num: 7

Candidate Starts for Katalie136_31:

(2, 22912), (Start: 7 @22972 has 153 MA's), (20, 23038), (22, 23083), (24, 23089), (31, 23122), (35, 23140), (44, 23185), (46, 23191), (47, 23197), (64, 23290), (65, 23305), (83, 23377), (95, 23437), (106, 23488), (110, 23500), (124, 23578), (137, 23647), (155, 23770), (160, 23794), (174, 23875), (179, 23920), (182, 23929), (183, 23932), (203, 24061), (204, 24070), (216, 24112), (220, 24139), (226, 24175), (230, 24202), (233, 24214), (260, 24370), (296, 24544), (297, 24550), (309, 24595), (328, 24646), (329, 24649), (340, 24685), (351, 24721),

Gene: Kerberos_34 Start: 22559, Stop: 24412, Start Num: 12

Candidate Starts for Kerberos_34:

(Start: 9 @22553 has 4 MA's), (Start: 12 @22559 has 35 MA's), (27, 22679), (47, 22769), (58, 22829), (66, 22880), (87, 22973), (90, 22997), (91, 23003), (191, 23510), (208, 23579), (227, 23666), (244, 23747), (273, 23930), (331, 24149), (336, 24161), (345, 24191), (362, 24260), (369, 24284), (370, 24293), (380, 24329),

Gene: Kimona_28 Start: 20738, Stop: 22444, Start Num: 7

Candidate Starts for Kimona_28:

(Start: 7 @20738 has 153 MA's), (15, 20771), (19, 20786), (40, 20936), (41, 20942), (61, 21053), (63, 21059), (87, 21116), (104, 21185), (111, 21218), (113, 21230), (152, 21389), (222, 21752), (279, 22079), (284, 22100), (289, 22112), (302, 22166), (308, 22190), (339, 22271), (366, 22379), (372, 22409), (380, 22436),

Gene: Kingmustik0402_31 Start: 22952, Stop: 24808, Start Num: 7

Candidate Starts for Kingmustik0402_31:

(Start: 7 @22952 has 153 MA's), (25, 23078), (31, 23102), (53, 23207), (54, 23213), (61, 23261), (64, 23270), (70, 23312), (83, 23357), (85, 23363), (106, 23468), (110, 23480), (124, 23558), (137, 23627), (174, 23855), (177, 23879), (178, 23882), (182, 23909), (183, 23912), (198, 24017), (204, 24047), (207, 24062), (226, 24152), (233, 24191), (243, 24236), (268, 24404), (296, 24521), (297, 24527), (309, 24572), (328, 24623), (329, 24626), (347, 24689), (351, 24698), (373, 24785),

Gene: Koduck_31 Start: 21936, Stop: 23582, Start Num: 12

Candidate Starts for Koduck_31:

(Start: 12 @21936 has 35 MA's), (27, 22056), (31, 22071), (47, 22146), (56, 22194), (58, 22206), (67, 22263), (90, 22374), (91, 22380), (107, 22452), (154, 22671), (180, 22785), (191, 22869), (193, 22875), (201, 22911), (222, 22995), (235, 23073), (251, 23169), (259, 23208), (273, 23295), (292, 23367), (311, 23442), (314, 23454), (320, 23463), (330, 23493), (351, 23562),

Gene: Koreni_30 Start: 22606, Stop: 24462, Start Num: 7

Candidate Starts for Koreni_30:

(Start: 7 @22606 has 153 MA's), (25, 22732), (31, 22756), (53, 22861), (54, 22867), (61, 22915), (64, 22924), (70, 22966), (83, 23011), (85, 23017), (106, 23122), (110, 23134), (124, 23212), (137, 23281), (174, 23509), (177, 23533), (178, 23536), (182, 23563), (183, 23566), (198, 23671), (203, 23692), (204, 23701), (226, 23806), (233, 23845), (243, 23890), (267, 24052), (268, 24058), (296, 24175), (297, 24181), (309, 24226), (328, 24277), (329, 24280), (347, 24343), (351, 24352), (373, 24439),

Gene: Kratark_31 Start: 22952, Stop: 24808, Start Num: 7

Candidate Starts for Kratark_31:

(Start: 7 @22952 has 153 MA's), (25, 23078), (31, 23102), (53, 23207), (54, 23213), (61, 23261), (70, 23312), (83, 23357), (85, 23363), (106, 23468), (110, 23480), (120, 23543), (124, 23558), (137, 23627), (174, 23855), (177, 23879), (178, 23882), (182, 23909), (183, 23912), (198, 24017), (203, 24038), (204, 24047), (226, 24152), (233, 24191), (243, 24236), (258, 24335), (296, 24521), (297, 24527), (309, 24572), (328, 24623), (329, 24626), (347, 24689), (351, 24698), (373, 24785),

Gene: Kremtemulon_30 Start: 23008, Stop: 24867, Start Num: 7

Candidate Starts for Kremtemulon_30:

(Start: 7 @23008 has 153 MA's), (25, 23134), (31, 23158), (53, 23263), (54, 23269), (61, 23317), (64, 23326), (70, 23368), (85, 23419), (106, 23524), (110, 23536), (124, 23614), (137, 23683), (174, 23911), (178, 23938), (182, 23965), (183, 23968), (198, 24073), (204, 24103), (207, 24118), (226, 24208), (233, 24247), (239, 24274), (243, 24292), (297, 24583), (322, 24661), (326, 24673), (328, 24679), (340, 24718), (347, 24745), (350, 24751), (373, 24844),

Gene: Kristoff_34 Start: 23647, Stop: 25482, Start Num: 7

Candidate Starts for Kristoff_34:

(Start: 7 @23647 has 153 MA's), (15, 23680), (44, 23857), (83, 24049), (85, 24055), (88, 24076), (93, 24103), (126, 24283), (136, 24316), (137, 24334), (141, 24358), (159, 24466), (179, 24598), (186, 24655), (190, 24688), (204, 24745), (218, 24799), (221, 24814), (230, 24868), (250, 24976), (255, 24991), (258, 25015), (261, 25030), (282, 25147), (289, 25165), (294, 25186), (295, 25189), (316, 25264), (322, 25279), (345, 25360), (356, 25390), (363, 25420), (375, 25465), (376, 25468),

Gene: Kyee_31 Start: 22958, Stop: 24814, Start Num: 7

Candidate Starts for Kyee_31:

(Start: 7 @22958 has 153 MA's), (25, 23084), (31, 23108), (53, 23213), (54, 23219), (61, 23267), (64, 23276), (70, 23318), (83, 23363), (85, 23369), (106, 23474), (110, 23486), (124, 23564), (137, 23633), (174, 23861), (177, 23885), (178, 23888), (182, 23915), (183, 23918), (198, 24023), (203, 24044), (204, 24053), (226, 24158), (233, 24197), (243, 24242), (268, 24410), (296, 24527), (297, 24533), (309, 24578), (328, 24629), (329, 24632), (347, 24695), (351, 24704), (373, 24791),

Gene: L5_31 Start: 21890, Stop: 23536, Start Num: 12

Candidate Starts for L5_31:

(Start: 12 @21890 has 35 MA's), (27, 22010), (31, 22025), (47, 22100), (56, 22148), (58, 22160), (81, 22271), (90, 22328), (91, 22334), (107, 22406), (154, 22625), (180, 22739), (191, 22823), (193, 22829), (201, 22865), (222, 22949), (235, 23027), (251, 23123), (259, 23162), (273, 23249), (314, 23408), (330, 23447),

Gene: LBerry_33 Start: 23277, Stop: 25034, Start Num: 6

Candidate Starts for LBerry_33:

(Start: 6 @23277 has 110 MA's), (25, 23412), (40, 23478), (49, 23523), (56, 23559), (83, 23691), (89, 23727), (94, 23748), (118, 23805), (132, 23865), (144, 23919), (153, 23979), (172, 24099), (174, 24102), (184, 24171), (185, 24195), (204, 24288), (210, 24309), (220, 24354), (280, 24684), (297, 24753), (316, 24816), (367, 24987),

Gene: LHTSCC_32 Start: 23274, Stop: 25130, Start Num: 7

Candidate Starts for LHTSCC_32:

(Start: 7 @23274 has 153 MA's), (25, 23400), (31, 23424), (53, 23529), (54, 23535), (61, 23583), (70, 23634), (85, 23685), (106, 23790), (110, 23802), (124, 23880), (137, 23949), (164, 24117), (168, 24147), (174, 24177), (177, 24201), (178, 24204), (182, 24231), (183, 24234), (198, 24339), (203, 24360), (204, 24369), (233, 24513), (243, 24558), (267, 24720), (296, 24843), (309, 24894), (347, 25011), (351, 25020), (373, 25107),

Gene: Lambert1_32 Start: 23373, Stop: 25232, Start Num: 6

Candidate Starts for Lambert1_32:

(Start: 6 @23373 has 110 MA's), (27, 23517), (32, 23535), (40, 23574), (44, 23595), (53, 23637), (56, 23655), (88, 23814), (93, 23841), (113, 23946), (116, 23967), (136, 24054), (141, 24096), (179, 24336), (190, 24426), (204, 24483), (239, 24648), (249, 24702), (250, 24714), (255, 24729), (277, 24858), (278, 24870), (295, 24930), (297, 24942), (310, 24987), (318, 25005), (361, 25152), (368, 25179), (375, 25209),

Gene: Landor_33 Start: 24831, Stop: 26645, Start Num: 4

Candidate Starts for Landor_33:

(4, 24831), (Start: 7 @24870 has 153 MA's), (25, 24981), (27, 24990), (41, 25047), (47, 25074), (64, 25167), (85, 25260), (88, 25281), (94, 25311), (99, 25323), (126, 25446), (136, 25479), (137, 25497), (141, 25521), (161, 25635), (167, 25683), (175, 25722), (179, 25761), (183, 25773), (186, 25818), (227, 26013), (231, 26034), (249, 26127), (261, 26193), (273, 26265), (289, 26328), (316, 26427), (322, 26442), (345, 26523), (363, 26583), (375, 26628),

Gene: LappelDuVide_30 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for LappelDuVide_30:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (70, 23317), (83, 23362), (85, 23368), (106, 23473), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (243, 24241), (268, 24409), (296, 24526), (297, 24532), (309, 24577), (328, 24628), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: LarryKay_33 Start: 23366, Stop: 25117, Start Num: 6

Candidate Starts for LarryKay_33:

(Start: 6 @23366 has 110 MA's), (25, 23501), (40, 23567), (49, 23612), (56, 23648), (77, 23759), (83, 23780), (89, 23816), (94, 23837), (132, 23954), (156, 24092), (172, 24188), (174, 24191), (184, 24260), (185, 24284), (193, 24329), (204, 24377), (220, 24443), (251, 24614), (253, 24620), (262, 24671), (268, 24716), (276, 24746), (287, 24794), (297, 24836), (302, 24851), (303, 24854), (309, 24878), (342, 24980), (343, 24983), (351, 25007),

Gene: Lemur_31 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for Lemur_31:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (106, 23473), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (243, 24241), (268, 24409), (296, 24526), (297, 24532), (309, 24577), (328, 24628), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: LeoAvram_31 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for LeoAvram_31:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (243, 24241), (258, 24340), (296, 24526), (309, 24577), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: Leogania_33 Start: 24913, Stop: 26691, Start Num: 7

Candidate Starts for Leogania_33:

(Start: 7 @24913 has 153 MA's), (25, 25024), (27, 25033), (47, 25120), (89, 25336), (94, 25357), (99, 25369), (130, 25504), (136, 25525), (137, 25543), (141, 25567), (159, 25675), (179, 25807), (186, 25864), (190, 25897), (204, 25954), (250, 26185), (258, 26224), (261, 26239), (289, 26374), (295, 26398), (296, 26404), (316, 26473), (322, 26488), (332, 26527), (336, 26536), (345, 26569), (375, 26674), (378, 26683),

Gene: Lilith_33 Start: 23270, Stop: 25027, Start Num: 6

Candidate Starts for Lilith_33:

(Start: 6 @23270 has 110 MA's), (25, 23405), (40, 23471), (49, 23516), (56, 23552), (83, 23684), (89, 23720), (94, 23741), (118, 23798), (132, 23858), (144, 23912), (153, 23972), (172, 24092), (174,

24095), (184, 24164), (185, 24188), (204, 24281), (210, 24302), (220, 24347), (280, 24677), (297, 24746), (316, 24809), (367, 24980),

Gene: LittleB_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for LittleB_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: LittleGuy_31 Start: 22903, Stop: 24762, Start Num: 7

Candidate Starts for LittleGuy_31:

(Start: 7 @22903 has 153 MA's), (25, 23029), (31, 23053), (53, 23158), (54, 23164), (61, 23212), (64, 23221), (70, 23263), (83, 23308), (85, 23314), (106, 23419), (110, 23431), (124, 23509), (137, 23578), (182, 23860), (183, 23863), (198, 23968), (204, 23998), (226, 24103), (233, 24142), (239, 24169), (243, 24187), (297, 24478), (322, 24556), (326, 24568), (328, 24574), (340, 24613), (347, 24640), (350, 24646), (351, 24649), (373, 24739),

Gene: LochMonster_31 Start: 22932, Stop: 24788, Start Num: 7

Candidate Starts for LochMonster_31:

(Start: 7 @22932 has 153 MA's), (25, 23058), (31, 23082), (53, 23187), (54, 23193), (61, 23241), (64, 23250), (70, 23292), (83, 23337), (85, 23343), (106, 23448), (110, 23460), (120, 23523), (124, 23538), (137, 23607), (164, 23775), (174, 23835), (178, 23862), (182, 23889), (183, 23892), (198, 23997), (203, 24018), (204, 24027), (226, 24132), (243, 24216), (258, 24315), (296, 24501), (297, 24507), (309, 24552), (328, 24603), (329, 24606), (347, 24669), (351, 24678), (373, 24765),

Gene: Loka_34 Start: 24358, Stop: 26142, Start Num: 11

Candidate Starts for Loka_34:

(Start: 11 @24358 has 12 MA's), (17, 24382), (25, 24472), (27, 24481), (40, 24538), (115, 24886), (116, 24889), (136, 24976), (137, 24994), (141, 25018), (159, 25126), (175, 25219), (179, 25258), (190, 25348), (205, 25408), (218, 25459), (227, 25510), (231, 25531), (240, 25576), (258, 25675), (261, 25690), (263, 25708), (294, 25846), (298, 25867), (322, 25939), (327, 25957), (332, 25978), (340, 25999), (345, 26020), (363, 26080), (375, 26125),

Gene: LoneWolf_32 Start: 23970, Stop: 25736, Start Num: 8

Candidate Starts for LoneWolf_32:

(Start: 8 @23970 has 26 MA's), (40, 24156), (51, 24204), (58, 24246), (69, 24291), (71, 24300), (79, 24324), (88, 24369), (89, 24378), (95, 24402), (103, 24438), (136, 24567), (137, 24585), (142, 24615), (145, 24624), (170, 24783), (175, 24810), (179, 24849), (190, 24939), (204, 24996), (220, 25062), (230, 25119), (255, 25242), (261, 25281), (289, 25419), (294, 25440), (295, 25443), (309, 25500), (322, 25533), (356, 25644), (375, 25719),

Gene: Lorenzo_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Lorenzo_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (203, 24046), (204, 24055), (226, 24160), (233, 24199), (243, 24244), (267, 24406), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Loser_35 Start: 25033, Stop: 26811, Start Num: 12

Candidate Starts for Loser_35:

(Start: 12 @25033 has 35 MA's), (25, 25144), (27, 25153), (36, 25186), (47, 25240), (54, 25276), (56, 25288), (58, 25300), (88, 25447), (89, 25456), (94, 25477), (99, 25489), (115, 25555), (130, 25624), (136, 25645), (137, 25663), (141, 25687), (157, 25786), (159, 25795), (179, 25927), (186, 25984), (190, 26017), (204, 26074), (218, 26128), (230, 26197), (255, 26320), (261, 26359), (268, 26413), (289, 26494), (294, 26515), (298, 26536), (322, 26608), (345, 26689),

Gene: Louie6_33 Start: 23364, Stop: 25115, Start Num: 6

Candidate Starts for Louie6_33:

(Start: 6 @23364 has 110 MA's), (25, 23499), (40, 23565), (49, 23610), (56, 23646), (77, 23757), (83, 23778), (89, 23814), (94, 23835), (132, 23952), (156, 24090), (172, 24186), (174, 24189), (184, 24258), (185, 24282), (193, 24327), (204, 24375), (220, 24441), (251, 24612), (253, 24618), (262, 24669), (268, 24714), (276, 24744), (287, 24792), (297, 24834), (302, 24849), (303, 24852), (309, 24876), (342, 24978), (343, 24981), (351, 25005),

Gene: LugYA_35 Start: 23277, Stop: 25034, Start Num: 6

Candidate Starts for LugYA_35:

(Start: 6 @23277 has 110 MA's), (25, 23412), (40, 23478), (49, 23523), (56, 23559), (83, 23691), (89, 23727), (94, 23748), (118, 23805), (132, 23865), (144, 23919), (153, 23979), (172, 24099), (174, 24102), (184, 24171), (185, 24195), (204, 24288), (210, 24309), (220, 24354), (280, 24684), (297, 24753), (316, 24816), (367, 24987),

Gene: Lunsford_32 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for Lunsford_32:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (70, 23317), (83, 23362), (85, 23368), (106, 23473), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (243, 24241), (268, 24409), (296, 24526), (297, 24532), (309, 24577), (328, 24628), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: MA5_31 Start: 22455, Stop: 24314, Start Num: 6

Candidate Starts for MA5_31:

(Start: 6 @22455 has 110 MA's), (21, 22533), (27, 22599), (40, 22656), (55, 22731), (85, 22875), (88, 22896), (93, 22923), (109, 22998), (116, 23049), (136, 23136), (137, 23154), (141, 23178), (179, 23418), (190, 23508), (230, 23688), (239, 23730), (250, 23796), (255, 23811), (258, 23835), (286, 23982), (295, 24012), (333, 24141), (361, 24234), (368, 24261), (373, 24285), (375, 24291),

Gene: MK4_31 Start: 22761, Stop: 24620, Start Num: 6

Candidate Starts for MK4_31:

(Start: 6 @22761 has 110 MA's), (24, 22887), (27, 22905), (31, 22920), (40, 22962), (53, 23025), (84, 23178), (85, 23181), (88, 23202), (93, 23229), (109, 23304), (116, 23355), (136, 23442), (137, 23460), (141, 23484), (164, 23622), (179, 23724), (186, 23781), (190, 23814), (215, 23907), (219, 23931), (239, 24036), (250, 24102), (255, 24117), (286, 24288), (318, 24393), (333, 24447), (345, 24486), (361, 24540), (368, 24567), (373, 24591),

Gene: MadMarie_33 Start: 23279, Stop: 25036, Start Num: 6

Candidate Starts for MadMarie_33:

(Start: 6 @23279 has 110 MA's), (25, 23414), (40, 23480), (49, 23525), (56, 23561), (83, 23693), (89, 23729), (94, 23750), (118, 23807), (132, 23867), (144, 23921), (153, 23981), (172, 24101), (174, 24104), (184, 24173), (185, 24197), (204, 24290), (210, 24311), (220, 24356), (280, 24686), (297, 24755), (316, 24818), (367, 24989),

Gene: Mainiac_33 Start: 23270, Stop: 25027, Start Num: 6

Candidate Starts for Mainiac_33:

(Start: 6 @23270 has 110 MA's), (25, 23405), (40, 23471), (49, 23516), (56, 23552), (83, 23684), (89, 23720), (94, 23741), (118, 23798), (132, 23858), (144, 23912), (153, 23972), (172, 24092), (174, 24095), (184, 24164), (185, 24188), (204, 24281), (210, 24302), (220, 24347), (280, 24677), (297, 24746), (316, 24809), (367, 24980),

Gene: Malec_32 Start: 23029, Stop: 25110, Start Num: 11

Candidate Starts for Malec_32:

(Start: 11 @23029 has 12 MA's), (17, 23053), (25, 23143), (28, 23158), (50, 23257), (63, 23332), (71, 23380), (112, 23569), (119, 23608), (148, 23704), (188, 23953), (202, 24016), (217, 24061), (234, 24163), (257, 24301), (265, 24364), (272, 24394), (293, 24478), (315, 24568), (317, 24577), (323, 24592), (325, 24601), (370, 24775), (385, 24895), (386, 24934), (387, 24970), (388, 24994), (389, 25027), (390, 25096), (391, 25099),

Gene: Malinsilva_35 Start: 23269, Stop: 25026, Start Num: 6

Candidate Starts for Malinsilva_35:

(Start: 6 @23269 has 110 MA's), (25, 23404), (40, 23470), (49, 23515), (56, 23551), (83, 23683), (89, 23719), (94, 23740), (118, 23797), (132, 23857), (144, 23911), (153, 23971), (172, 24091), (174, 24094), (184, 24163), (185, 24187), (204, 24280), (210, 24301), (220, 24346), (280, 24676), (297, 24745), (316, 24808), (367, 24979),

Gene: Maminiaina_32 Start: 23915, Stop: 25681, Start Num: 8

Candidate Starts for Maminiaina_32:

(Start: 8 @23915 has 26 MA's), (36, 24080), (40, 24101), (54, 24167), (56, 24179), (58, 24191), (69, 24236), (71, 24245), (73, 24254), (88, 24314), (89, 24323), (95, 24347), (103, 24383), (125, 24476), (136, 24512), (137, 24530), (175, 24755), (178, 24776), (179, 24794), (190, 24884), (204, 24941), (215, 24977), (230, 25064), (255, 25187), (258, 25211), (261, 25226), (268, 25283), (294, 25385), (295, 25388), (322, 25478), (356, 25589), (375, 25664),

Gene: Manu_34 Start: 23361, Stop: 25169, Start Num: 6

Candidate Starts for Manu_34:

(Start: 6 @23361 has 110 MA's), (25, 23496), (40, 23562), (49, 23607), (56, 23643), (71, 23733), (79, 23757), (88, 23802), (94, 23832), (136, 24000), (137, 24018), (141, 24042), (167, 24204), (175, 24243), (179, 24282), (190, 24372), (227, 24534), (231, 24555), (248, 24642), (258, 24699), (261, 24714), (270, 24777), (289, 24852), (294, 24873), (322, 24966), (332, 25005), (345, 25047), (373, 25146),

Gene: MarQuardt_33 Start: 23278, Stop: 25035, Start Num: 6

Candidate Starts for MarQuardt_33:

(Start: 6 @23278 has 110 MA's), (25, 23413), (40, 23479), (49, 23524), (56, 23560), (83, 23692), (89, 23728), (94, 23749), (118, 23806), (132, 23866), (144, 23920), (153, 23980), (172, 24100), (174, 24103), (184, 24172), (185, 24196), (204, 24289), (210, 24310), (220, 24355), (280, 24685), (297, 24754), (316, 24817), (367, 24988),

Gene: Margo_32 Start: 23399, Stop: 25258, Start Num: 6

Candidate Starts for Margo_32:

(Start: 6 @23399 has 110 MA's), (27, 23543), (40, 23600), (44, 23621), (53, 23663), (56, 23681), (88, 23840), (93, 23867), (113, 23972), (116, 23993), (136, 24080), (141, 24122), (179, 24362), (190, 24452), (204, 24509), (239, 24674), (249, 24728), (250, 24740), (255, 24755), (277, 24884), (278, 24896), (295, 24956), (297, 24968), (310, 25013), (318, 25031), (361, 25178), (368, 25205), (375, 25235),

Gene: Marie_33 Start: 23276, Stop: 25033, Start Num: 6

Candidate Starts for Marie_33:

(Start: 6 @23276 has 110 MA's), (25, 23411), (40, 23477), (49, 23522), (56, 23558), (83, 23690), (89, 23726), (94, 23747), (118, 23804), (132, 23864), (144, 23918), (153, 23978), (172, 24098), (174, 24101), (184, 24170), (185, 24194), (204, 24287), (210, 24308), (220, 24353), (280, 24683), (297, 24752), (316, 24815), (367, 24986),

Gene: Marius_34 Start: 23361, Stop: 25169, Start Num: 6

Candidate Starts for Marius_34:

(Start: 6 @23361 has 110 MA's), (25, 23496), (40, 23562), (49, 23607), (56, 23643), (71, 23733), (79, 23757), (88, 23802), (94, 23832), (136, 24000), (137, 24018), (141, 24042), (167, 24204), (175, 24243), (179, 24282), (190, 24372), (227, 24534), (231, 24555), (248, 24642), (258, 24699), (261, 24714), (270, 24777), (289, 24852), (294, 24873), (322, 24966), (332, 25005), (345, 25047), (373, 25146),

Gene: Maverick_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Maverick_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (203, 24046), (204, 24055), (226, 24160), (233, 24199), (243, 24244), (267, 24406), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Maxo_31 Start: 22958, Stop: 24814, Start Num: 7

Candidate Starts for Maxo_31:

(Start: 7 @22958 has 153 MA's), (25, 23084), (31, 23108), (53, 23213), (54, 23219), (61, 23267), (64, 23276), (70, 23318), (83, 23363), (85, 23369), (106, 23474), (110, 23486), (124, 23564), (137, 23633), (174, 23861), (177, 23885), (178, 23888), (182, 23915), (183, 23918), (198, 24023), (204, 24053), (207, 24068), (226, 24158), (233, 24197), (239, 24224), (243, 24242), (258, 24341), (296, 24527), (309, 24578), (329, 24632), (347, 24695), (351, 24704), (373, 24791),

Gene: Mazhar510_31 Start: 22961, Stop: 24817, Start Num: 7

Candidate Starts for Mazhar510_31:

(Start: 7 @22961 has 153 MA's), (25, 23087), (31, 23111), (53, 23216), (54, 23222), (61, 23270), (70, 23321), (83, 23366), (85, 23372), (106, 23477), (110, 23489), (124, 23567), (137, 23636), (174, 23864), (177, 23888), (178, 23891), (182, 23918), (183, 23921), (198, 24026), (203, 24047), (204, 24056), (226, 24161), (233, 24200), (243, 24245), (267, 24407), (268, 24413), (296, 24530), (297, 24536), (309, 24581), (328, 24632), (329, 24635), (347, 24698), (351, 24707), (373, 24794),

Gene: Medusa_31 Start: 22961, Stop: 24817, Start Num: 7

Candidate Starts for Medusa_31:

(Start: 7 @22961 has 153 MA's), (25, 23087), (31, 23111), (53, 23216), (54, 23222), (61, 23270), (64, 23279), (70, 23321), (83, 23366), (85, 23372), (106, 23477), (110, 23489), (124, 23567), (137, 23636), (174, 23864), (177, 23888), (178, 23891), (182, 23918), (183, 23921), (198, 24026), (204, 24056), (207, 24071), (226, 24161), (233, 24200), (243, 24245), (268, 24413), (296, 24530), (297, 24536), (309, 24581), (328, 24632), (329, 24635), (347, 24698), (351, 24707), (373, 24794),

Gene: MeeZee_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for MeeZee_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (203, 24046), (204, 24055), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Melvin_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Melvin_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Methuselah_32 Start: 23360, Stop: 25111, Start Num: 6

Candidate Starts for Methuselah_32:

(Start: 6 @23360 has 110 MA's), (25, 23495), (38, 23552), (40, 23561), (49, 23606), (56, 23642), (77, 23753), (83, 23774), (89, 23810), (94, 23831), (132, 23948), (156, 24086), (172, 24182), (174, 24185), (184, 24254), (185, 24278), (193, 24323), (204, 24371), (220, 24437), (251, 24608), (253, 24614), (262, 24665), (268, 24710), (276, 24740), (287, 24788), (297, 24830), (302, 24845), (303, 24848), (309, 24872), (342, 24974), (343, 24977), (351, 25001),

Gene: Microwolf_33 Start: 23278, Stop: 25035, Start Num: 6

Candidate Starts for Microwolf_33:

(Start: 6 @23278 has 110 MA's), (25, 23413), (40, 23479), (49, 23524), (56, 23560), (83, 23692), (89, 23728), (94, 23749), (118, 23806), (132, 23866), (144, 23920), (153, 23980), (172, 24100), (174, 24103), (184, 24172), (185, 24196), (204, 24289), (210, 24310), (220, 24355), (280, 24685), (297, 24754), (316, 24817), (367, 24988),

Gene: Miko_34 Start: 24326, Stop: 26263, Start Num: 11

Candidate Starts for Miko_34:

(Start: 11 @24326 has 12 MA's), (17, 24350), (25, 24440), (27, 24449), (40, 24506), (115, 25007), (136, 25097), (137, 25115), (141, 25139), (159, 25247), (175, 25340), (179, 25379), (190, 25469), (205, 25529), (227, 25631), (231, 25652), (258, 25796), (261, 25811), (294, 25967), (298, 25988), (322, 26060), (327, 26078), (340, 26120), (345, 26141), (363, 26201), (375, 26246),

Gene: Millski_30 Start: 22963, Stop: 24819, Start Num: 7

Candidate Starts for Millski_30:

(Start: 7 @22963 has 153 MA's), (25, 23089), (31, 23113), (53, 23218), (54, 23224), (61, 23272), (64, 23281), (70, 23323), (83, 23368), (85, 23374), (106, 23479), (110, 23491), (124, 23569), (137, 23638), (174, 23866), (177, 23890), (178, 23893), (182, 23920), (183, 23923), (198, 24028), (204, 24058), (207, 24073), (226, 24163), (233, 24202), (243, 24247), (268, 24415), (296, 24532), (297, 24538), (309, 24583), (328, 24634), (329, 24637), (347, 24700), (351, 24709), (373, 24796),

Gene: Miramae_31 Start: 22903, Stop: 24762, Start Num: 7

Candidate Starts for Miramae_31:

(Start: 7 @22903 has 153 MA's), (20, 22969), (31, 23053), (35, 23071), (44, 23116), (54, 23164), (64, 23221), (70, 23263), (85, 23314), (88, 23335), (95, 23368), (106, 23419), (110, 23431), (117, 23485), (124, 23509), (137, 23578), (174, 23806), (178, 23833), (182, 23860), (183, 23863), (198, 23971), (203, 23992), (204, 24001), (220, 24070), (226, 24106), (233, 24145), (247, 24214), (267, 24352), (296, 24475), (297, 24481), (347, 24643), (351, 24652),

Gene: Misomonster_35 Start: 23363, Stop: 25114, Start Num: 6

Candidate Starts for Misomonster_35:

(Start: 6 @23363 has 110 MA's), (25, 23498), (40, 23564), (49, 23609), (56, 23645), (77, 23756), (83, 23777), (89, 23813), (94, 23834), (132, 23951), (156, 24089), (172, 24185), (174, 24188), (184, 24257), (185, 24281), (193, 24326), (204, 24374), (220, 24440), (251, 24611), (253, 24617), (262, 24668), (268, 24713), (276, 24743), (287, 24791), (297, 24833), (302, 24848), (303, 24851), (309, 24875), (342, 24977), (343, 24980), (351, 25004),

Gene: MissWhite_31 Start: 21856, Stop: 23703, Start Num: 12

Candidate Starts for MissWhite_31:

(Start: 12 @21856 has 35 MA's), (17, 21877), (29, 21985), (54, 22102), (58, 22126), (92, 22306), (112, 22402), (127, 22474), (180, 22711), (191, 22795), (196, 22807), (199, 22828), (211, 22876), (222, 22921), (223, 22927), (224, 22942), (227, 22957), (234, 22990), (236, 23002), (246, 23053), (273, 23221), (283, 23266), (291, 23284), (355, 23512), (362, 23548), (370, 23581),

Gene: MoneyMay_33 Start: 23276, Stop: 25033, Start Num: 6

Candidate Starts for MoneyMay_33:

(Start: 6 @23276 has 110 MA's), (25, 23411), (40, 23477), (49, 23522), (56, 23558), (83, 23690), (89, 23726), (94, 23747), (118, 23804), (132, 23864), (144, 23918), (153, 23978), (172, 24098), (174, 24101), (184, 24170), (185, 24194), (204, 24287), (210, 24308), (220, 24353), (280, 24683), (297, 24752), (316, 24815), (367, 24986),

Gene: Morpher26_31 Start: 22972, Stop: 24831, Start Num: 7

Candidate Starts for Morpher26_31:

(2, 22912), (Start: 7 @22972 has 153 MA's), (20, 23038), (22, 23083), (24, 23089), (31, 23122), (35, 23140), (44, 23185), (46, 23191), (47, 23197), (64, 23290), (65, 23305), (83, 23377), (95, 23437), (106, 23488), (110, 23500), (124, 23578), (137, 23647), (155, 23770), (160, 23794), (174, 23875), (179, 23920), (182, 23929), (183, 23932), (203, 24061), (204, 24070), (216, 24112), (220, 24139), (226, 24175), (230, 24202), (233, 24214), (260, 24370), (296, 24544), (297, 24550), (309, 24595), (328, 24646), (329, 24649), (340, 24685), (351, 24721),

Gene: Morrow_31 Start: 22963, Stop: 24819, Start Num: 7

Candidate Starts for Morrow_31:

(Start: 7 @22963 has 153 MA's), (25, 23089), (31, 23113), (53, 23218), (54, 23224), (61, 23272), (64, 23281), (70, 23323), (83, 23368), (85, 23374), (110, 23491), (124, 23569), (137, 23638), (174, 23866), (177, 23890), (178, 23893), (183, 23923), (198, 24028), (204, 24058), (207, 24073), (226, 24163), (233, 24202), (239, 24229), (243, 24247), (258, 24346), (296, 24532), (309, 24583), (329, 24637), (347, 24700), (351, 24709), (373, 24796),

Gene: MuchMore_35 Start: 23269, Stop: 25026, Start Num: 6

Candidate Starts for MuchMore_35:

(Start: 6 @23269 has 110 MA's), (25, 23404), (40, 23470), (49, 23515), (56, 23551), (83, 23683), (89, 23719), (94, 23740), (118, 23797), (132, 23857), (144, 23911), (153, 23971), (172, 24091), (174, 24094), (184, 24163), (185, 24187), (204, 24280), (210, 24301), (220, 24346), (280, 24676), (297, 24745), (316, 24808), (367, 24979),

Gene: Mundrea_31 Start: 22930, Stop: 24786, Start Num: 7

Candidate Starts for Mundrea_31:

(Start: 7 @22930 has 153 MA's), (31, 23080), (35, 23098), (37, 23110), (44, 23143), (47, 23155), (64, 23248), (65, 23263), (95, 23395), (106, 23446), (110, 23458), (124, 23536), (137, 23605), (174, 23833), (182, 23887), (183, 23890), (198, 23995), (203, 24016), (204, 24025), (226, 24130), (260, 24325), (268, 24382), (296, 24499), (297, 24505), (351, 24676),

Gene: MyraDee_29 Start: 20768, Stop: 22630, Start Num: 7

Candidate Starts for MyraDee_29:

(Start: 7 @20768 has 153 MA's), (14, 20789), (18, 20810), (26, 20894), (33, 20924), (56, 21038), (66, 21101), (67, 21107), (79, 21152), (124, 21344), (134, 21392), (137, 21413), (155, 21536), (159, 21557), (164, 21581), (182, 21695), (183, 21698), (198, 21806), (203, 21827), (204, 21836), (220, 21905), (226, 21941), (237, 21998), (250, 22085), (252, 22091), (278, 22250), (290, 22289), (293, 22304), (296, 22313), (297, 22319), (316, 22382), (339, 22457), (344, 22472), (346, 22487), (377,

22607),

Gene: Myxus_33 Start: 24377, Stop: 26143, Start Num: 8

Candidate Starts for Myxus_33:

(Start: 8 @24377 has 26 MA's), (13, 24389), (40, 24563), (58, 24653), (69, 24698), (71, 24707), (89, 24785), (95, 24809), (103, 24845), (136, 24974), (137, 24992), (175, 25217), (178, 25238), (179, 25256), (190, 25346), (204, 25403), (230, 25526), (255, 25649), (261, 25688), (268, 25745), (289, 25826), (294, 25847), (295, 25850), (322, 25940), (356, 26051), (375, 26126),

Gene: Naji_34 Start: 22559, Stop: 24412, Start Num: 12

Candidate Starts for Naji_34:

(Start: 9 @22553 has 4 MA's), (Start: 12 @22559 has 35 MA's), (27, 22679), (47, 22769), (58, 22829), (66, 22880), (87, 22973), (90, 22997), (91, 23003), (191, 23510), (208, 23579), (227, 23666), (244, 23747), (345, 24191), (350, 24206), (362, 24260), (369, 24284), (370, 24293), (380, 24329),

Gene: Nebs_31 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for Nebs_31:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (239, 24223), (243, 24241), (258, 24340), (296, 24526), (309, 24577), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: Nemo27_31 Start: 22959, Stop: 24815, Start Num: 7

Candidate Starts for Nemo27_31:

(Start: 7 @22959 has 153 MA's), (25, 23085), (31, 23109), (53, 23214), (54, 23220), (61, 23268), (64, 23277), (70, 23319), (83, 23364), (85, 23370), (106, 23475), (110, 23487), (124, 23565), (137, 23634), (174, 23862), (177, 23886), (178, 23889), (182, 23916), (183, 23919), (198, 24024), (203, 24045), (204, 24054), (226, 24159), (233, 24198), (243, 24243), (267, 24405), (268, 24411), (296, 24528), (297, 24534), (309, 24579), (328, 24630), (329, 24633), (347, 24696), (351, 24705), (373, 24792),

Gene: NicoleTera_35 Start: 24630, Stop: 26411, Start Num: 9

Candidate Starts for NicoleTera_35:

(Start: 9 @24630 has 4 MA's), (25, 24744), (27, 24753), (47, 24840), (105, 25128), (136, 25245), (137, 25263), (141, 25287), (175, 25488), (179, 25527), (227, 25779), (230, 25797), (250, 25905), (258, 25944), (261, 25959), (264, 25989), (294, 26115), (298, 26136), (322, 26208), (340, 26268), (345, 26289), (375, 26394),

Gene: Noella_32 Start: 23374, Stop: 25233, Start Num: 6

Candidate Starts for Noella_32:

(Start: 6 @23374 has 110 MA's), (27, 23518), (32, 23536), (40, 23575), (44, 23596), (53, 23638), (56, 23656), (88, 23815), (93, 23842), (113, 23947), (116, 23968), (136, 24055), (141, 24097), (179, 24337), (190, 24427), (204, 24484), (239, 24649), (249, 24703), (250, 24715), (255, 24730), (277, 24859), (278, 24871), (295, 24931), (297, 24943), (310, 24988), (318, 25006), (361, 25153), (368, 25180), (375, 25210),

Gene: Noelle_31 Start: 23041, Stop: 24900, Start Num: 7

Candidate Starts for Noelle_31:

(Start: 7 @23041 has 153 MA's), (32, 23194), (39, 23227), (40, 23233), (44, 23254), (47, 23266), (62, 23353), (65, 23374), (88, 23473), (106, 23557), (110, 23569), (121, 23635), (124, 23647), (137, 23716), (174, 23944), (179, 23989), (182, 23998), (183, 24001), (203, 24130), (204, 24139), (216, 24181), (220, 24208), (226, 24244), (230, 24271), (233, 24283), (239, 24310), (260, 24439), (268, 24496), (269, 24499), (296, 24613), (297, 24619), (318, 24685), (328, 24715), (349, 24784), (351,

24790),

Gene: Norbert_31 Start: 23373, Stop: 25232, Start Num: 6

Candidate Starts for Norbert_31:

(Start: 6 @23373 has 110 MA's), (27, 23517), (32, 23535), (40, 23574), (44, 23595), (53, 23637), (56, 23655), (88, 23814), (93, 23841), (113, 23946), (116, 23967), (136, 24054), (141, 24096), (179, 24336), (190, 24426), (204, 24483), (239, 24648), (249, 24702), (250, 24714), (255, 24729), (277, 24858), (278, 24870), (295, 24930), (297, 24942), (310, 24987), (318, 25005), (361, 25152), (368, 25179), (375, 25209),

Gene: NorthStar_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for NorthStar_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (117, 23542), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: NotAPhaseMom_31 Start: 22964, Stop: 24820, Start Num: 7

Candidate Starts for NotAPhaseMom_31:

(Start: 7 @22964 has 153 MA's), (25, 23090), (31, 23114), (53, 23219), (54, 23225), (61, 23273), (64, 23282), (70, 23324), (83, 23369), (85, 23375), (106, 23480), (110, 23492), (124, 23570), (137, 23639), (174, 23867), (177, 23891), (178, 23894), (182, 23921), (183, 23924), (198, 24029), (203, 24050), (204, 24059), (226, 24164), (233, 24203), (243, 24248), (267, 24410), (268, 24416), (296, 24533), (297, 24539), (309, 24584), (328, 24635), (347, 24701), (351, 24710), (373, 24797),

Gene: NothingSpecial_33 Start: 24784, Stop: 26571, Start Num: 12

Candidate Starts for NothingSpecial_33:

(Start: 12 @24784 has 35 MA's), (17, 24805), (23, 24883), (25, 24895), (26, 24898), (27, 24904), (28, 24910), (43, 24979), (58, 25057), (99, 25246), (136, 25402), (137, 25420), (141, 25444), (175, 25645), (190, 25774), (197, 25795), (204, 25831), (220, 25897), (231, 25957), (261, 26116), (262, 26122), (270, 26179), (273, 26191), (294, 26275), (322, 26368), (332, 26407), (345, 26449), (361, 26503), (371, 26539),

Gene: Nyxis_31 Start: 22903, Stop: 24762, Start Num: 7

Candidate Starts for Nyxis_31:

(Start: 7 @22903 has 153 MA's), (25, 23029), (31, 23053), (53, 23158), (54, 23164), (61, 23212), (64, 23221), (70, 23263), (83, 23308), (85, 23314), (110, 23431), (124, 23509), (137, 23578), (182, 23860), (183, 23863), (198, 23968), (204, 23998), (226, 24103), (233, 24142), (239, 24169), (243, 24187), (297, 24478), (322, 24556), (326, 24568), (328, 24574), (340, 24613), (347, 24640), (350, 24646), (351, 24649), (373, 24739),

Gene: OKCentral2016_32 Start: 22976, Stop: 24811, Start Num: 7

Candidate Starts for OKCentral2016_32:

(Start: 7 @22976 has 153 MA's), (15, 23009), (19, 23024), (71, 23336), (79, 23360), (83, 23378), (84, 23381), (85, 23384), (88, 23405), (93, 23432), (136, 23645), (137, 23663), (141, 23687), (163, 23822), (165, 23831), (179, 23927), (186, 23984), (190, 24017), (218, 24128), (230, 24197), (250, 24305), (255, 24320), (261, 24359), (262, 24365), (273, 24431), (289, 24494), (294, 24515), (295, 24518), (296, 24524), (298, 24536), (316, 24593), (322, 24608), (324, 24617), (341, 24671), (345, 24689), (363, 24749), (375, 24794), (376, 24797),

Gene: OKaNui_32 Start: 23013, Stop: 24869, Start Num: 7

Candidate Starts for OKaNui_32:

(Start: 7 @23013 has 153 MA's), (25, 23139), (31, 23163), (53, 23268), (54, 23274), (61, 23322), (64, 23331), (70, 23373), (83, 23418), (85, 23424), (106, 23529), (110, 23541), (117, 23595), (124, 23619), (137, 23688), (164, 23856), (174, 23916), (177, 23940), (178, 23943), (179, 23961), (182, 23970), (183, 23973), (198, 24078), (204, 24108), (207, 24123), (226, 24213), (233, 24252), (243, 24297), (268, 24465), (296, 24582), (297, 24588), (309, 24633), (328, 24684), (329, 24687), (347, 24750), (351, 24759), (373, 24846),

Gene: Obama12_32 Start: 23276, Stop: 25132, Start Num: 7

Candidate Starts for Obama12_32:

(Start: 7 @23276 has 153 MA's), (25, 23402), (31, 23426), (53, 23531), (54, 23537), (61, 23585), (70, 23636), (85, 23687), (106, 23792), (110, 23804), (124, 23882), (137, 23951), (164, 24119), (168, 24149), (174, 24179), (177, 24203), (178, 24206), (182, 24233), (183, 24236), (198, 24341), (203, 24362), (204, 24371), (233, 24515), (243, 24560), (267, 24722), (296, 24845), (309, 24896), (347, 25013), (351, 25022), (373, 25109),

Gene: Odin_30 Start: 21523, Stop: 23199, Start Num: 12

Candidate Starts for Odin_30:

(Start: 9 @21517 has 4 MA's), (Start: 12 @21523 has 35 MA's), (27, 21643), (35, 21676), (36, 21679), (41, 21706), (60, 21793), (87, 21880), (111, 21982), (162, 22204), (191, 22390), (222, 22510), (273, 22810), (292, 22885), (296, 22906), (306, 22945), (341, 23035), (368, 23140), (374, 23167), (375, 23170), (379, 23182),

Gene: Ohfah_31 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for Ohfah_31:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (239, 24223), (243, 24241), (258, 24340), (296, 24526), (309, 24577), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: OlanP_33 Start: 23541, Stop: 25349, Start Num: 6

Candidate Starts for OlanP_33:

(Start: 6 @23541 has 110 MA's), (25, 23676), (40, 23742), (49, 23787), (56, 23823), (71, 23913), (79, 23937), (88, 23982), (94, 24012), (136, 24180), (137, 24198), (141, 24222), (167, 24384), (175, 24423), (179, 24462), (186, 24519), (190, 24552), (227, 24714), (231, 24735), (248, 24822), (258, 24879), (261, 24894), (270, 24957), (289, 25032), (294, 25053), (322, 25146), (332, 25185), (345, 25227), (373, 25326),

Gene: Ollie_33 Start: 23147, Stop: 24904, Start Num: 6

Candidate Starts for Ollie_33:

(Start: 6 @23147 has 110 MA's), (25, 23282), (40, 23348), (49, 23393), (56, 23429), (83, 23561), (89, 23597), (94, 23618), (118, 23675), (132, 23735), (144, 23789), (153, 23849), (172, 23969), (174, 23972), (184, 24041), (185, 24065), (204, 24158), (210, 24179), (220, 24224), (280, 24554), (297, 24623), (316, 24686), (367, 24857),

Gene: P28Green_33 Start: 23278, Stop: 25035, Start Num: 6

Candidate Starts for P28Green_33:

(Start: 6 @23278 has 110 MA's), (25, 23413), (40, 23479), (49, 23524), (56, 23560), (83, 23692), (89, 23728), (94, 23749), (118, 23806), (132, 23866), (144, 23920), (153, 23980), (172, 24100), (174, 24103), (184, 24172), (185, 24196), (204, 24289), (210, 24310), (220, 24355), (280, 24685), (297, 24754), (316, 24817), (367, 24988),

Gene: PGHhamlin_35 Start: 23269, Stop: 25026, Start Num: 6

Candidate Starts for PGHhamlin_35:

(Start: 6 @23269 has 110 MA's), (25, 23404), (40, 23470), (49, 23515), (56, 23551), (83, 23683), (89, 23719), (94, 23740), (118, 23797), (132, 23857), (144, 23911), (153, 23971), (172, 24091), (174, 24094), (184, 24163), (185, 24187), (204, 24280), (210, 24301), (220, 24346), (280, 24676), (297, 24745), (316, 24808), (367, 24979),

Gene: PackMan_33 Start: 24377, Stop: 26143, Start Num: 8

Candidate Starts for PackMan_33:

(Start: 8 @24377 has 26 MA's), (13, 24389), (40, 24563), (58, 24653), (69, 24698), (71, 24707), (89, 24785), (95, 24809), (103, 24845), (136, 24974), (137, 24992), (175, 25217), (178, 25238), (179, 25256), (190, 25346), (204, 25403), (230, 25526), (255, 25649), (261, 25688), (268, 25745), (289, 25826), (294, 25847), (295, 25850), (322, 25940), (356, 26051), (375, 26126),

Gene: Palestino_30 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Palestino_30:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (74, 23335), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (203, 24046), (204, 24055), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Panamaxus_31 Start: 23373, Stop: 25232, Start Num: 6

Candidate Starts for Panamaxus_31:

(Start: 6 @23373 has 110 MA's), (27, 23517), (32, 23535), (40, 23574), (44, 23595), (53, 23637), (56, 23655), (88, 23814), (93, 23841), (113, 23946), (116, 23967), (136, 24054), (141, 24096), (179, 24336), (190, 24426), (204, 24483), (239, 24648), (249, 24702), (250, 24714), (255, 24729), (277, 24858), (278, 24870), (295, 24930), (297, 24942), (310, 24987), (318, 25005), (361, 25152), (368, 25179), (375, 25209),

Gene: Pawn_34 Start: 23361, Stop: 25169, Start Num: 6

Candidate Starts for Pawn_34:

(Start: 6 @23361 has 110 MA's), (25, 23496), (40, 23562), (49, 23607), (56, 23643), (71, 23733), (79, 23757), (88, 23802), (94, 23832), (136, 24000), (137, 24018), (141, 24042), (167, 24204), (175, 24243), (179, 24282), (190, 24372), (227, 24534), (231, 24555), (248, 24642), (258, 24699), (261, 24714), (270, 24777), (289, 24852), (294, 24873), (322, 24966), (332, 25005), (345, 25047), (373, 25146),

Gene: Peaches_31 Start: 22959, Stop: 24815, Start Num: 7

Candidate Starts for Peaches_31:

(Start: 7 @22959 has 153 MA's), (25, 23085), (31, 23109), (53, 23214), (54, 23220), (61, 23268), (64, 23277), (70, 23319), (83, 23364), (85, 23370), (106, 23475), (110, 23487), (124, 23565), (137, 23634), (174, 23862), (177, 23886), (178, 23889), (182, 23916), (183, 23919), (198, 24024), (204, 24054), (207, 24069), (226, 24159), (233, 24198), (243, 24243), (268, 24411), (296, 24528), (297, 24534), (309, 24579), (328, 24630), (329, 24633), (347, 24696), (351, 24705), (373, 24792),

Gene: Pembroke_33 Start: 23278, Stop: 25035, Start Num: 6

Candidate Starts for Pembroke_33:

(Start: 6 @23278 has 110 MA's), (25, 23413), (40, 23479), (49, 23524), (56, 23560), (83, 23692), (89, 23728), (94, 23749), (118, 23806), (132, 23866), (144, 23920), (153, 23980), (172, 24100), (174, 24103), (184, 24172), (185, 24196), (204, 24289), (210, 24310), (220, 24355), (280, 24685), (297, 24754), (316, 24817), (367, 24988),

Gene: Penny1_33 Start: 23277, Stop: 25034, Start Num: 6

Candidate Starts for Penny1_33:

(Start: 6 @23277 has 110 MA's), (25, 23412), (40, 23478), (49, 23523), (56, 23559), (83, 23691), (89, 23727), (94, 23748), (118, 23805), (132, 23865), (144, 23919), (153, 23979), (172, 24099), (174, 24102), (184, 24171), (185, 24195), (204, 24288), (210, 24309), (220, 24354), (280, 24684), (297, 24753), (316, 24816), (367, 24987),

Gene: Perplexer_31 Start: 22969, Stop: 24828, Start Num: 7

Candidate Starts for Perplexer_31:

(2, 22909), (Start: 7 @22969 has 153 MA's), (20, 23035), (22, 23080), (24, 23086), (31, 23119), (35, 23137), (44, 23182), (46, 23188), (47, 23194), (64, 23287), (65, 23302), (83, 23374), (95, 23434), (106, 23485), (110, 23497), (124, 23575), (137, 23644), (155, 23767), (160, 23791), (174, 23872), (179, 23917), (182, 23926), (183, 23929), (203, 24058), (204, 24067), (216, 24109), (220, 24136), (226, 24172), (230, 24199), (233, 24211), (260, 24367), (296, 24541), (297, 24547), (309, 24592), (328, 24643), (329, 24646), (340, 24682), (351, 24718),

Gene: PeterPeter_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for PeterPeter_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (203, 24046), (204, 24055), (226, 24160), (233, 24199), (243, 24244), (267, 24406), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: PetiteSangsue_31 Start: 22972, Stop: 24831, Start Num: 7

Candidate Starts for PetiteSangsue_31:

(2, 22912), (Start: 7 @22972 has 153 MA's), (20, 23038), (22, 23083), (24, 23089), (31, 23122), (35, 23140), (44, 23185), (46, 23191), (47, 23197), (64, 23290), (65, 23305), (83, 23377), (95, 23437), (106, 23488), (110, 23500), (124, 23578), (137, 23647), (155, 23770), (160, 23794), (174, 23875), (179, 23920), (182, 23929), (183, 23932), (203, 24061), (204, 24070), (216, 24112), (220, 24139), (226, 24175), (230, 24202), (233, 24214), (260, 24370), (296, 24544), (297, 24550), (309, 24595), (328, 24646), (329, 24649), (340, 24685), (351, 24721),

Gene: Ph8s_32 Start: 21442, Stop: 23091, Start Num: 12

Candidate Starts for Ph8s_32:

(Start: 12 @21442 has 35 MA's), (25, 21553), (34, 21589), (54, 21688), (58, 21712), (90, 21880), (91, 21886), (222, 22504), (225, 22531), (236, 22585), (251, 22678), (257, 22708), (273, 22804), (292, 22876), (314, 22963), (320, 22972), (335, 23020),

Gene: Phacado_31 Start: 22959, Stop: 24815, Start Num: 7

Candidate Starts for Phacado_31:

(Start: 7 @22959 has 153 MA's), (25, 23085), (31, 23109), (53, 23214), (54, 23220), (61, 23268), (64, 23277), (70, 23319), (83, 23364), (85, 23370), (106, 23475), (110, 23487), (124, 23565), (137, 23634), (174, 23862), (177, 23886), (178, 23889), (182, 23916), (183, 23919), (198, 24024), (203, 24045), (204, 24054), (226, 24159), (233, 24198), (243, 24243), (267, 24405), (268, 24411), (296, 24528), (297, 24534), (309, 24579), (328, 24630), (329, 24633), (347, 24696), (351, 24705), (373, 24792),

Gene: Phaded_35 Start: 25217, Stop: 26992, Start Num: 7

Candidate Starts for Phaded_35:

(4, 25178), (Start: 7 @25217 has 153 MA's), (25, 25328), (27, 25337), (41, 25394), (47, 25421), (64, 25514), (85, 25607), (88, 25628), (89, 25637), (94, 25658), (99, 25670), (126, 25793), (136, 25826), (137, 25844), (141, 25868), (161, 25982), (175, 26069), (179, 26108), (183, 26120), (186, 26165), (227, 26360), (231, 26381), (261, 26540), (262, 26546), (273, 26612), (289, 26675), (294, 26696), (322, 26789), (345, 26870), (356, 26900), (363, 26930), (375, 26975),

Gene: Phaeder_33 Start: 24377, Stop: 26143, Start Num: 8

Candidate Starts for Phaeder_33:

(Start: 8 @24377 has 26 MA's), (13, 24389), (40, 24563), (58, 24653), (69, 24698), (71, 24707), (89, 24785), (95, 24809), (103, 24845), (136, 24974), (137, 24992), (175, 25217), (178, 25238), (179, 25256), (190, 25346), (204, 25403), (230, 25526), (255, 25649), (261, 25688), (268, 25745), (289, 25826), (294, 25847), (295, 25850), (322, 25940), (356, 26051), (375, 26126),

Gene: Phantastic_31 Start: 22796, Stop: 24658, Start Num: 5

Candidate Starts for Phantastic_31:

(Start: 5 @22796 has 1 MA's), (40, 23000), (47, 23033), (71, 23171), (79, 23195), (83, 23213), (113, 23372), (136, 23480), (139, 23501), (141, 23522), (179, 23762), (186, 23819), (190, 23852), (230, 24032), (239, 24074), (250, 24140), (255, 24155), (286, 24326), (297, 24368), (318, 24431), (333, 24485), (334, 24488), (345, 24524), (361, 24578), (368, 24605), (373, 24629),

Gene: Phelipe_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Phelipe_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Phighter1804_31 Start: 22935, Stop: 24791, Start Num: 7

Candidate Starts for Phighter1804_31:

(Start: 7 @22935 has 153 MA's), (25, 23061), (31, 23085), (53, 23190), (54, 23196), (61, 23244), (64, 23253), (70, 23295), (83, 23340), (85, 23346), (106, 23451), (110, 23463), (120, 23526), (124, 23541), (137, 23610), (164, 23778), (174, 23838), (178, 23865), (182, 23892), (183, 23895), (198, 24000), (203, 24021), (204, 24030), (226, 24135), (243, 24219), (258, 24318), (296, 24504), (297, 24510), (309, 24555), (328, 24606), (329, 24609), (347, 24672), (351, 24681), (373, 24768),

Gene: PhishRPhriends_32 Start: 22545, Stop: 24353, Start Num: 6

Candidate Starts for PhishRPhriends_32:

(Start: 6 @22545 has 110 MA's), (25, 22680), (40, 22746), (49, 22791), (56, 22827), (71, 22917), (79, 22941), (88, 22986), (94, 23016), (136, 23184), (137, 23202), (141, 23226), (167, 23388), (175, 23427), (179, 23466), (190, 23556), (227, 23718), (231, 23739), (248, 23826), (261, 23898), (270, 23961), (289, 24036), (294, 24057), (322, 24150), (332, 24189), (345, 24231), (373, 24330),

Gene: Phoebe_33 Start: 23275, Stop: 25032, Start Num: 6

Candidate Starts for Phoebe_33:

(Start: 6 @23275 has 110 MA's), (25, 23410), (40, 23476), (49, 23521), (56, 23557), (83, 23689), (89, 23725), (94, 23746), (118, 23803), (132, 23863), (144, 23917), (153, 23977), (172, 24097), (174, 24100), (184, 24169), (185, 24193), (204, 24286), (210, 24307), (220, 24352), (280, 24682), (297, 24751), (316, 24814), (367, 24985),

Gene: Phonnegut_33 Start: 24410, Stop: 26176, Start Num: 8

Candidate Starts for Phonnegut_33:

(Start: 8 @24410 has 26 MA's), (13, 24422), (40, 24596), (58, 24686), (69, 24731), (71, 24740), (89, 24818), (95, 24842), (103, 24878), (136, 25007), (137, 25025), (175, 25250), (178, 25271), (179, 25289), (190, 25379), (204, 25436), (230, 25559), (255, 25682), (261, 25721), (268, 25778), (289, 25859), (294, 25880), (295, 25883), (316, 25958), (322, 25973), (356, 26084), (375, 26159),

Gene: Phontbonne_31 Start: 22904, Stop: 24763, Start Num: 7

Candidate Starts for Phontbonne_31:

(Start: 7 @22904 has 153 MA's), (25, 23030), (31, 23054), (53, 23159), (54, 23165), (61, 23213), (64, 23222), (70, 23264), (83, 23309), (85, 23315), (110, 23432), (124, 23510), (137, 23579), (182, 23861), (183, 23864), (198, 23969), (204, 23999), (226, 24104), (233, 24143), (239, 24170), (243, 24188), (297, 24479), (322, 24557), (326, 24569), (328, 24575), (340, 24614), (347, 24641), (350, 24647), (373, 24740),

Gene: Phoxy_33 Start: 23361, Stop: 25112, Start Num: 6

Candidate Starts for Phoxy_33:

(Start: 6 @23361 has 110 MA's), (25, 23496), (40, 23562), (49, 23607), (56, 23643), (77, 23754), (83, 23775), (89, 23811), (94, 23832), (132, 23949), (156, 24087), (172, 24183), (174, 24186), (184, 24255), (185, 24279), (193, 24324), (204, 24372), (220, 24438), (251, 24609), (253, 24615), (262, 24666), (268, 24711), (276, 24741), (287, 24789), (297, 24831), (302, 24846), (303, 24849), (309, 24873), (342, 24975), (343, 24978), (351, 25002),

Gene: Phranny_34 Start: 23353, Stop: 25161, Start Num: 6

Candidate Starts for Phranny_34:

(Start: 6 @23353 has 110 MA's), (25, 23488), (40, 23554), (49, 23599), (50, 23602), (79, 23749), (88, 23794), (94, 23824), (136, 23992), (137, 24010), (141, 24034), (167, 24196), (175, 24235), (179, 24274), (190, 24364), (227, 24526), (231, 24547), (248, 24634), (261, 24706), (270, 24769), (289, 24844), (294, 24865), (322, 24958), (332, 24997), (345, 25039), (373, 25138),

Gene: Pioneer_33 Start: 24410, Stop: 26176, Start Num: 8

Candidate Starts for Pioneer_33:

(Start: 8 @24410 has 26 MA's), (13, 24422), (40, 24596), (58, 24686), (69, 24731), (71, 24740), (89, 24818), (95, 24842), (103, 24878), (136, 25007), (137, 25025), (175, 25250), (178, 25271), (179, 25289), (190, 25379), (204, 25436), (230, 25559), (255, 25682), (261, 25721), (268, 25778), (289, 25859), (294, 25880), (295, 25883), (316, 25958), (322, 25973), (356, 26084), (375, 26159),

Gene: Pipcraft_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Pipcraft_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Pistachio_32 Start: 22385, Stop: 24244, Start Num: 6

Candidate Starts for Pistachio_32:

(Start: 6 @22385 has 110 MA's), (27, 22529), (31, 22544), (40, 22586), (63, 22709), (71, 22757), (83, 22799), (85, 22805), (88, 22826), (136, 23066), (140, 23096), (147, 23144), (167, 23270), (175, 23309), (179, 23348), (186, 23405), (190, 23438), (227, 23600), (228, 23603), (239, 23660), (250, 23726), (255, 23741), (295, 23942), (332, 24068), (333, 24071), (359, 24152), (361, 24164), (368, 24191), (375, 24221),

Gene: Pocahontas_32 Start: 23370, Stop: 25229, Start Num: 6

Candidate Starts for Pocahontas_32:

(Start: 6 @23370 has 110 MA's), (27, 23514), (32, 23532), (40, 23571), (44, 23592), (53, 23634), (56, 23652), (88, 23811), (93, 23838), (113, 23943), (116, 23964), (136, 24051), (141, 24093), (179, 24333), (190, 24423), (204, 24480), (239, 24645), (249, 24699), (250, 24711), (255, 24726), (277, 24855), (278, 24867), (295, 24927), (297, 24939), (310, 24984), (318, 25002), (361, 25149), (368, 25176), (375, 25206),

Gene: Polymorphads_31 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for Polymorphads_31:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (239, 24223), (243, 24241), (258, 24340), (296, 24526), (309, 24577), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: Pomar16_34 Start: 22600, Stop: 24453, Start Num: 12

Candidate Starts for Pomar16_34:

(Start: 9 @22594 has 4 MA's), (Start: 12 @22600 has 35 MA's), (27, 22720), (47, 22810), (58, 22870), (61, 22894), (66, 22921), (87, 23014), (90, 23038), (91, 23044), (191, 23551), (208, 23620), (244, 23788), (273, 23971), (345, 24232), (350, 24247), (362, 24301), (365, 24310), (369, 24325), (370, 24334), (380, 24370),

Gene: Popcicle_32 Start: 23370, Stop: 25229, Start Num: 6

Candidate Starts for Popcicle_32:

(Start: 6 @23370 has 110 MA's), (27, 23514), (32, 23532), (40, 23571), (44, 23592), (53, 23634), (56, 23652), (88, 23811), (93, 23838), (113, 23943), (116, 23964), (136, 24051), (141, 24093), (179, 24333), (190, 24423), (204, 24480), (239, 24645), (249, 24699), (250, 24711), (255, 24726), (277, 24855), (278, 24867), (295, 24927), (297, 24939), (310, 24984), (318, 25002), (361, 25149), (368, 25176), (375, 25206),

Gene: PotatoSplit_34 Start: 23277, Stop: 25034, Start Num: 6

Candidate Starts for PotatoSplit_34:

(Start: 6 @23277 has 110 MA's), (25, 23412), (40, 23478), (49, 23523), (56, 23559), (83, 23691), (89, 23727), (94, 23748), (118, 23805), (132, 23865), (144, 23919), (153, 23979), (172, 24099), (174, 24102), (184, 24171), (185, 24195), (204, 24288), (210, 24309), (220, 24354), (280, 24684), (297, 24753), (316, 24816), (367, 24987),

Gene: Priya_33 Start: 24444, Stop: 26210, Start Num: 8

Candidate Starts for Priya_33:

(Start: 8 @24444 has 26 MA's), (40, 24630), (58, 24720), (69, 24765), (71, 24774), (89, 24852), (95, 24876), (103, 24912), (136, 25041), (137, 25059), (175, 25284), (178, 25305), (179, 25323), (190, 25413), (204, 25470), (230, 25593), (255, 25716), (261, 25755), (268, 25812), (289, 25893), (294, 25914), (295, 25917), (322, 26007), (356, 26118), (375, 26193),

Gene: Pukovnik_33 Start: 24251, Stop: 26089, Start Num: 12

Candidate Starts for Pukovnik_33:

(Start: 12 @24251 has 35 MA's), (17, 24272), (25, 24362), (27, 24371), (41, 24428), (47, 24455), (64, 24548), (71, 24593), (93, 24689), (137, 24905), (155, 25028), (156, 25037), (174, 25133), (182, 25187), (183, 25190), (198, 25298), (204, 25328), (220, 25397), (226, 25433), (228, 25445), (233, 25472), (296, 25802), (309, 25853), (322, 25886), (328, 25904), (329, 25907), (347, 25970),

Gene: Pumbaa_31 Start: 22935, Stop: 24791, Start Num: 7

Candidate Starts for Pumbaa_31:

(Start: 7 @22935 has 153 MA's), (25, 23061), (31, 23085), (54, 23196), (61, 23244), (63, 23250), (64, 23253), (70, 23295), (85, 23346), (106, 23451), (110, 23463), (124, 23541), (137, 23610), (164, 23778), (168, 23808), (174, 23838), (178, 23865), (182, 23892), (183, 23895), (198, 24000), (203, 24021), (204, 24030), (226, 24135), (233, 24174), (239, 24201), (243, 24219), (244, 24222), (260, 24330), (268, 24387), (296, 24504), (297, 24510), (347, 24672), (351, 24681),

Gene: Puppy_32 Start: 22455, Stop: 24314, Start Num: 6

Candidate Starts for Puppy_32:

(Start: 6 @22455 has 110 MA's), (27, 22599), (31, 22614), (40, 22656), (63, 22779), (71, 22827), (83, 22869), (85, 22875), (88, 22896), (136, 23136), (140, 23166), (147, 23214), (167, 23340), (175, 23379), (179, 23418), (186, 23475), (190, 23508), (227, 23670), (228, 23673), (239, 23730), (250, 23796), (255, 23811), (295, 24012), (332, 24138), (333, 24141), (359, 24222), (361, 24234), (368, 24261), (375, 24291),

Gene: PurpleHaze_33 Start: 23360, Stop: 25168, Start Num: 6

Candidate Starts for PurpleHaze_33:

(Start: 6 @23360 has 110 MA's), (25, 23495), (40, 23561), (49, 23606), (56, 23642), (71, 23732), (79, 23756), (88, 23801), (94, 23831), (136, 23999), (137, 24017), (141, 24041), (167, 24203), (175, 24242), (179, 24281), (190, 24371), (227, 24533), (231, 24554), (248, 24641), (258, 24698), (261, 24713), (270, 24776), (289, 24851), (294, 24872), (322, 24965), (332, 25004), (345, 25046), (373, 25145),

Gene: Qobbit_33 Start: 24407, Stop: 26173, Start Num: 8

Candidate Starts for Qobbit_33:

(Start: 8 @24407 has 26 MA's), (40, 24593), (58, 24683), (69, 24728), (71, 24737), (89, 24815), (95, 24839), (103, 24875), (136, 25004), (137, 25022), (175, 25247), (178, 25268), (179, 25286), (190, 25376), (204, 25433), (230, 25556), (255, 25679), (261, 25718), (268, 25775), (289, 25856), (294, 25877), (295, 25880), (322, 25970), (356, 26081), (375, 26156),

Gene: QuinnKiro_31 Start: 23373, Stop: 25232, Start Num: 6

Candidate Starts for QuinnKiro_31:

(Start: 6 @23373 has 110 MA's), (27, 23517), (32, 23535), (40, 23574), (44, 23595), (53, 23637), (56, 23655), (88, 23814), (93, 23841), (113, 23946), (116, 23967), (136, 24054), (141, 24096), (178, 24318), (179, 24336), (190, 24426), (204, 24483), (239, 24648), (249, 24702), (250, 24714), (255, 24729), (277, 24858), (278, 24870), (295, 24930), (297, 24942), (310, 24987), (318, 25005), (361, 25152), (368, 25179), (375, 25209),

Gene: Rachaly_34 Start: 24354, Stop: 26138, Start Num: 11

Candidate Starts for Rachaly_34:

(Start: 11 @24354 has 12 MA's), (17, 24378), (25, 24468), (27, 24477), (40, 24534), (115, 24882), (116, 24885), (136, 24972), (137, 24990), (141, 25014), (159, 25122), (175, 25215), (178, 25236), (179, 25254), (183, 25266), (190, 25344), (205, 25404), (227, 25506), (231, 25527), (258, 25671), (261, 25686), (294, 25842), (298, 25863), (322, 25935), (327, 25953), (340, 25995), (345, 26016), (363, 26076), (375, 26121),

Gene: Rahalelujah_30 Start: 22236, Stop: 23978, Start Num: 11

Candidate Starts for Rahalelujah_30:

(Start: 11 @22236 has 12 MA's), (13, 22242), (27, 22359), (35, 22392), (58, 22509), (63, 22539), (72, 22587), (75, 22596), (76, 22599), (102, 22686), (114, 22731), (122, 22758), (149, 22833), (166, 22911), (176, 22977), (189, 23103), (268, 23535), (278, 23580), (313, 23712), (354, 23853), (357, 23865), (366, 23904), (381, 23967),

Gene: Reba_34 Start: 23026, Stop: 24834, Start Num: 6

Candidate Starts for Reba_34:

(Start: 6 @23026 has 110 MA's), (25, 23161), (40, 23227), (49, 23272), (50, 23275), (79, 23422), (88, 23467), (94, 23497), (136, 23665), (137, 23683), (141, 23707), (167, 23869), (175, 23908), (179, 23947), (190, 24037), (227, 24199), (231, 24220), (248, 24307), (261, 24379), (270, 24442), (289, 24517), (294, 24538), (322, 24631), (332, 24670), (345, 24712), (373, 24811),

Gene: Rebeuca_34 Start: 23648, Stop: 25483, Start Num: 7

Candidate Starts for Rebeuca_34:

(Start: 7 @23648 has 153 MA's), (15, 23681), (44, 23858), (83, 24050), (85, 24056), (88, 24077), (93, 24104), (126, 24284), (136, 24317), (137, 24335), (141, 24359), (159, 24467), (179, 24599), (186, 24656), (190, 24689), (204, 24746), (218, 24800), (230, 24869), (250, 24977), (255, 24992), (258, 25016), (261, 25031), (282, 25148), (289, 25166), (294, 25187), (295, 25190), (316, 25265), (322, 25280), (345, 25361), (356, 25391), (363, 25421), (375, 25466), (376, 25469),

Gene: RedRock_35 Start: 25191, Stop: 26969, Start Num: 12

Candidate Starts for RedRock_35:

(Start: 12 @25191 has 35 MA's), (25, 25302), (27, 25311), (36, 25344), (47, 25398), (54, 25434), (56, 25446), (58, 25458), (88, 25605), (89, 25614), (94, 25635), (99, 25647), (115, 25713), (130, 25782), (136, 25803), (137, 25821), (141, 25845), (157, 25944), (159, 25953), (179, 26085), (186, 26142), (190, 26175), (204, 26232), (218, 26286), (230, 26355), (261, 26517), (268, 26571), (289, 26652), (294, 26673), (298, 26694), (322, 26766), (345, 26847),

Gene: Relief_31 Start: 22958, Stop: 24814, Start Num: 7

Candidate Starts for Relief_31:

(Start: 7 @22958 has 153 MA's), (25, 23084), (31, 23108), (53, 23213), (54, 23219), (61, 23267), (70, 23318), (83, 23363), (85, 23369), (106, 23474), (110, 23486), (124, 23564), (137, 23633), (174, 23861), (177, 23885), (178, 23888), (182, 23915), (183, 23918), (198, 24023), (204, 24053), (207, 24068), (226, 24158), (233, 24197), (243, 24242), (268, 24410), (296, 24527), (297, 24533), (309, 24578), (328, 24629), (329, 24632), (347, 24695), (351, 24704), (373, 24791),

Gene: ResDef_32 Start: 23373, Stop: 25232, Start Num: 6

Candidate Starts for ResDef_32:

(Start: 6 @23373 has 110 MA's), (27, 23517), (32, 23535), (40, 23574), (44, 23595), (53, 23637), (56, 23655), (88, 23814), (93, 23841), (116, 23967), (136, 24054), (141, 24096), (179, 24336), (190, 24426), (204, 24483), (239, 24648), (249, 24702), (250, 24714), (255, 24729), (277, 24858), (278, 24870), (295, 24930), (297, 24942), (310, 24987), (318, 25005), (361, 25152), (368, 25179), (375, 25209),

Gene: RhynO_34 Start: 23623, Stop: 25455, Start Num: 7

Candidate Starts for RhynO_34:

(Start: 7 @23623 has 153 MA's), (15, 23656), (39, 23806), (44, 23833), (67, 23962), (79, 24007), (84, 24028), (85, 24031), (136, 24292), (137, 24310), (179, 24571), (186, 24628), (190, 24661), (218, 24772), (230, 24841), (249, 24937), (250, 24949), (255, 24964), (258, 24988), (261, 25003), (262, 25009), (264, 25033), (273, 25075), (282, 25120), (289, 25138), (295, 25162), (316, 25237), (322, 25252), (324, 25261), (332, 25291), (345, 25333), (375, 25438), (376, 25441),

Gene: Rockstar_31 Start: 22769, Stop: 24628, Start Num: 6

Candidate Starts for Rockstar_31:

(Start: 6 @22769 has 110 MA's), (24, 22895), (27, 22913), (31, 22928), (40, 22970), (53, 23033), (85, 23189), (88, 23210), (93, 23237), (109, 23312), (116, 23363), (136, 23450), (137, 23468), (141, 23492), (179, 23732), (186, 23789), (190, 23822), (215, 23915), (219, 23939), (239, 24044), (250, 24110), (255, 24125), (286, 24296), (318, 24401), (333, 24455), (345, 24494), (361, 24548), (368, 24575), (373, 24599),

Gene: Romney_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Romney_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535),

(309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Roosevelt_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Roosevelt_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Ruin_31 Start: 22956, Stop: 24812, Start Num: 7

Candidate Starts for Ruin_31:

(Start: 7 @22956 has 153 MA's), (25, 23082), (31, 23106), (53, 23211), (54, 23217), (61, 23265), (64, 23274), (70, 23316), (83, 23361), (85, 23367), (106, 23472), (110, 23484), (124, 23562), (137, 23631), (174, 23859), (177, 23883), (178, 23886), (182, 23913), (183, 23916), (198, 24021), (204, 24051), (207, 24066), (226, 24156), (233, 24195), (243, 24240), (268, 24408), (296, 24525), (297, 24531), (309, 24576), (328, 24627), (329, 24630), (347, 24693), (351, 24702), (373, 24789),

Gene: Rummer_33 Start: 23361, Stop: 25112, Start Num: 6

Candidate Starts for Rummer_33:

(Start: 6 @23361 has 110 MA's), (25, 23496), (40, 23562), (49, 23607), (56, 23643), (77, 23754), (83, 23775), (89, 23811), (94, 23832), (132, 23949), (156, 24087), (172, 24183), (174, 24186), (184, 24255), (185, 24279), (193, 24324), (204, 24372), (220, 24438), (251, 24609), (253, 24615), (262, 24666), (268, 24711), (276, 24741), (287, 24789), (297, 24831), (302, 24846), (303, 24849), (309, 24873), (342, 24975), (343, 24978), (351, 25002),

Gene: Sabertooth_31 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for Sabertooth_31:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (106, 23473), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (243, 24241), (268, 24409), (296, 24526), (297, 24532), (309, 24577), (328, 24628), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: Sabia_33 Start: 23270, Stop: 25027, Start Num: 6

Candidate Starts for Sabia_33:

(Start: 6 @23270 has 110 MA's), (25, 23405), (40, 23471), (49, 23516), (56, 23552), (83, 23684), (89, 23720), (94, 23741), (118, 23798), (132, 23858), (144, 23912), (153, 23972), (172, 24092), (174, 24095), (184, 24164), (185, 24188), (204, 24281), (210, 24302), (220, 24347), (280, 24677), (297, 24746), (316, 24809), (367, 24980),

Gene: Sabinator_33 Start: 23275, Stop: 25032, Start Num: 6

Candidate Starts for Sabinator_33:

(Start: 6 @23275 has 110 MA's), (25, 23410), (40, 23476), (49, 23521), (56, 23557), (83, 23689), (89, 23725), (94, 23746), (118, 23803), (132, 23863), (144, 23917), (153, 23977), (172, 24097), (174, 24100), (184, 24169), (185, 24193), (204, 24286), (210, 24307), (220, 24352), (280, 24682), (297, 24751), (316, 24814), (367, 24985),

Gene: SaturnRing_31 Start: 22838, Stop: 24697, Start Num: 6

Candidate Starts for SaturnRing_31:

(Start: 6 @22838 has 110 MA's), (27, 22982), (31, 22997), (40, 23039), (63, 23162), (71, 23210), (83, 23252), (85, 23258), (88, 23279), (136, 23519), (140, 23549), (147, 23597), (167, 23723), (175, 23762), (179, 23801), (186, 23858), (190, 23891), (227, 24053), (228, 24056), (239, 24113), (250,

24179), (255, 24194), (295, 24395), (332, 24521), (333, 24524), (359, 24605), (361, 24617), (368, 24644), (375, 24674),

Gene: Scamp_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Scamp_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Scherzo_33 Start: 24410, Stop: 26176, Start Num: 8

Candidate Starts for Scherzo_33:

(Start: 8 @24410 has 26 MA's), (13, 24422), (40, 24596), (58, 24686), (69, 24731), (71, 24740), (89, 24818), (95, 24842), (103, 24878), (136, 25007), (137, 25025), (175, 25250), (178, 25271), (179, 25289), (190, 25379), (204, 25436), (230, 25559), (255, 25682), (261, 25721), (268, 25778), (289, 25859), (294, 25880), (295, 25883), (322, 25973), (356, 26084), (375, 26159),

Gene: Scout_31 Start: 22139, Stop: 23998, Start Num: 6

Candidate Starts for Scout_31:

(Start: 6 @22139 has 110 MA's), (24, 22265), (25, 22274), (40, 22340), (44, 22361), (53, 22403), (85, 22559), (93, 22607), (108, 22676), (109, 22682), (113, 22712), (136, 22820), (137, 22838), (141, 22862), (179, 23102), (190, 23192), (219, 23309), (239, 23414), (250, 23480), (255, 23495), (286, 23666), (318, 23771), (333, 23825), (345, 23864), (361, 23918), (368, 23945), (373, 23969),

Gene: Serenity_30 Start: 21771, Stop: 23522, Start Num: 12

Candidate Starts for Serenity_30:

(Start: 12 @21771 has 35 MA's), (17, 21792), (27, 21891), (31, 21906), (47, 21981), (58, 22041), (81, 22152), (87, 22185), (90, 22209), (91, 22215), (107, 22287), (129, 22395), (158, 22512), (191, 22713), (222, 22833), (234, 22902), (273, 23133), (292, 23208), (294, 23220), (296, 23229), (306, 23268), (368, 23463), (374, 23490), (375, 23493), (379, 23505),

Gene: Shaka_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Shaka_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (203, 24046), (204, 24055), (226, 24160), (233, 24199), (243, 24244), (267, 24406), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: SheaKeira_31 Start: 22351, Stop: 24009, Start Num: 11

Candidate Starts for SheaKeira_31:

(Start: 11 @22351 has 12 MA's), (23, 22453), (35, 22507), (40, 22531), (41, 22537), (57, 22618), (58, 22624), (63, 22654), (72, 22702), (82, 22726), (102, 22801), (176, 23092), (209, 23308), (222, 23362), (242, 23476), (245, 23488), (266, 23635), (268, 23650), (352, 23875), (367, 23938),

Gene: SheldonCooper_32 Start: 23275, Stop: 25131, Start Num: 7

Candidate Starts for SheldonCooper_32:

(Start: 7 @23275 has 153 MA's), (25, 23401), (31, 23425), (53, 23530), (54, 23536), (61, 23584), (70, 23635), (85, 23686), (106, 23791), (110, 23803), (124, 23881), (137, 23950), (164, 24118), (168, 24148), (174, 24178), (177, 24202), (178, 24205), (182, 24232), (183, 24235), (198, 24340), (203, 24361), (204, 24370), (233, 24514), (243, 24559), (267, 24721), (296, 24844), (309, 24895), (347, 25012), (351, 25021), (373, 25108),

Gene: Shygu2_31 Start: 22966, Stop: 24825, Start Num: 7

Candidate Starts for Shygu2_31:

(2, 22903), (Start: 7 @22966 has 153 MA's), (19, 23014), (20, 23032), (31, 23116), (35, 23134), (44, 23179), (47, 23191), (83, 23371), (95, 23431), (106, 23482), (110, 23494), (124, 23572), (137, 23641), (174, 23869), (178, 23896), (182, 23923), (183, 23926), (198, 24034), (203, 24055), (204, 24064), (220, 24133), (226, 24169), (233, 24208), (267, 24415), (296, 24538), (309, 24589), (347, 24706), (351, 24715),

Gene: Skipitt_31 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for Skipitt_31:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (106, 23473), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (243, 24241), (268, 24409), (296, 24526), (297, 24532), (309, 24577), (328, 24628), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: Snickers_33 Start: 23251, Stop: 25008, Start Num: 6

Candidate Starts for Snickers_33:

(Start: 6 @23251 has 110 MA's), (25, 23386), (40, 23452), (49, 23497), (56, 23533), (83, 23665), (89, 23701), (94, 23722), (118, 23779), (132, 23839), (144, 23893), (153, 23953), (172, 24073), (174, 24076), (184, 24145), (185, 24169), (204, 24262), (210, 24283), (220, 24328), (280, 24658), (297, 24727), (316, 24790), (367, 24961),

Gene: SoYo_33 Start: 23188, Stop: 24945, Start Num: 6

Candidate Starts for SoYo_33:

(Start: 6 @23188 has 110 MA's), (25, 23323), (40, 23389), (49, 23434), (56, 23470), (83, 23602), (89, 23638), (94, 23659), (118, 23716), (132, 23776), (144, 23830), (153, 23890), (172, 24010), (174, 24013), (184, 24082), (185, 24106), (204, 24199), (210, 24220), (220, 24265), (280, 24595), (297, 24664), (316, 24727), (367, 24898),

Gene: SoilDragon_33 Start: 22965, Stop: 24770, Start Num: 6

Candidate Starts for SoilDragon_33:

(Start: 6 @22965 has 110 MA's), (25, 23100), (40, 23166), (49, 23211), (56, 23247), (68, 23319), (79, 23361), (88, 23406), (94, 23436), (136, 23604), (137, 23622), (141, 23646), (164, 23784), (167, 23808), (175, 23847), (179, 23886), (190, 23976), (227, 24138), (231, 24159), (248, 24246), (261, 24318), (264, 24348), (273, 24390), (289, 24453), (295, 24477), (316, 24552), (322, 24567), (332, 24606), (345, 24648), (375, 24753),

Gene: Soshari_35 Start: 23360, Stop: 25111, Start Num: 6

Candidate Starts for Soshari_35:

(Start: 6 @23360 has 110 MA's), (25, 23495), (38, 23552), (40, 23561), (49, 23606), (56, 23642), (77, 23753), (83, 23774), (89, 23810), (94, 23831), (132, 23948), (156, 24086), (172, 24182), (174, 24185), (184, 24254), (185, 24278), (193, 24323), (204, 24371), (220, 24437), (251, 24608), (253, 24614), (262, 24665), (268, 24710), (276, 24740), (287, 24788), (297, 24830), (302, 24845), (303, 24848), (309, 24872), (342, 24974), (343, 24977), (351, 25001),

Gene: Sparxx_31 Start: 22958, Stop: 24814, Start Num: 7

Candidate Starts for Sparxx_31:

(Start: 7 @22958 has 153 MA's), (25, 23084), (31, 23108), (53, 23213), (54, 23219), (61, 23267), (64, 23276), (70, 23318), (83, 23363), (85, 23369), (106, 23474), (110, 23486), (124, 23564), (137, 23633), (174, 23861), (177, 23885), (178, 23888), (182, 23915), (183, 23918), (198, 24023), (204, 24053), (207, 24068), (226, 24158), (233, 24197), (239, 24224), (243, 24242), (258, 24341), (296, 24527),

(309, 24578), (329, 24632), (347, 24695), (351, 24704), (373, 24791),

Gene: Spike509_33 Start: 23361, Stop: 25112, Start Num: 6

Candidate Starts for Spike509_33:

(Start: 6 @23361 has 110 MA's), (25, 23496), (40, 23562), (49, 23607), (56, 23643), (77, 23754), (83, 23775), (89, 23811), (94, 23832), (132, 23949), (156, 24087), (172, 24183), (174, 24186), (184, 24255), (185, 24279), (193, 24324), (204, 24372), (220, 24438), (250, 24606), (251, 24609), (253, 24615), (262, 24666), (268, 24711), (276, 24741), (287, 24789), (297, 24831), (302, 24846), (303, 24849), (309, 24873), (342, 24975), (343, 24978), (351, 25002),

Gene: Spino_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Spino_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (203, 24046), (204, 24055), (226, 24160), (233, 24199), (243, 24244), (267, 24406), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Spouty_32 Start: 24443, Stop: 26209, Start Num: 8

Candidate Starts for Spouty_32:

(Start: 8 @24443 has 26 MA's), (40, 24629), (58, 24719), (69, 24764), (71, 24773), (89, 24851), (95, 24875), (103, 24911), (136, 25040), (137, 25058), (175, 25283), (178, 25304), (179, 25322), (190, 25412), (204, 25469), (230, 25592), (255, 25715), (261, 25754), (268, 25811), (289, 25892), (294, 25913), (295, 25916), (322, 26006), (356, 26117), (375, 26192),

Gene: Stagni_33 Start: 23279, Stop: 25036, Start Num: 6

Candidate Starts for Stagni_33:

(Start: 6 @23279 has 110 MA's), (25, 23414), (40, 23480), (49, 23525), (56, 23561), (83, 23693), (89, 23729), (94, 23750), (118, 23807), (132, 23867), (144, 23921), (153, 23981), (172, 24101), (174, 24104), (184, 24173), (185, 24197), (204, 24290), (210, 24311), (220, 24356), (280, 24686), (297, 24755), (316, 24818), (367, 24989),

Gene: StarStuff_34 Start: 22559, Stop: 24412, Start Num: 12

Candidate Starts for StarStuff_34:

(Start: 9 @22553 has 4 MA's), (Start: 12 @22559 has 35 MA's), (27, 22679), (47, 22769), (58, 22829), (66, 22880), (87, 22973), (90, 22997), (91, 23003), (191, 23510), (208, 23579), (227, 23666), (244, 23747), (273, 23930), (331, 24149), (336, 24161), (345, 24191), (362, 24260), (369, 24284), (370, 24293), (380, 24329),

Gene: Stasia_32 Start: 23404, Stop: 25242, Start Num: 7

Candidate Starts for Stasia_32:

(Start: 7 @23404 has 153 MA's), (20, 23470), (25, 23530), (40, 23596), (47, 23629), (53, 23659), (54, 23665), (61, 23713), (70, 23764), (88, 23836), (109, 23938), (136, 24076), (137, 24094), (179, 24358), (190, 24448), (227, 24610), (231, 24631), (249, 24724), (255, 24751), (258, 24775), (261, 24790), (289, 24925), (295, 24949), (298, 24967), (322, 25039), (345, 25120),

Gene: StepMih_33 Start: 23270, Stop: 25027, Start Num: 6

Candidate Starts for StepMih_33:

(Start: 6 @23270 has 110 MA's), (25, 23405), (40, 23471), (49, 23516), (56, 23552), (83, 23684), (89, 23720), (94, 23741), (118, 23798), (132, 23858), (144, 23912), (153, 23972), (172, 24092), (174, 24095), (184, 24164), (185, 24188), (204, 24281), (210, 24302), (220, 24347), (280, 24677), (297, 24746), (316, 24809), (367, 24980),

Gene: Stink_32 Start: 23240, Stop: 25099, Start Num: 7

Candidate Starts for Stink_32:

(Start: 7 @23240 has 153 MA's), (20, 23306), (31, 23390), (35, 23408), (44, 23453), (54, 23501), (64, 23558), (70, 23600), (85, 23651), (88, 23672), (95, 23705), (106, 23756), (110, 23768), (117, 23822), (124, 23846), (137, 23915), (174, 24143), (178, 24170), (182, 24197), (183, 24200), (198, 24308), (203, 24329), (204, 24338), (220, 24407), (226, 24443), (233, 24482), (247, 24551), (267, 24689), (296, 24812), (297, 24818), (347, 24980), (351, 24989),

Gene: Superchunk_30 Start: 21397, Stop: 22950, Start Num: 12

Candidate Starts for Superchunk_30:

(Start: 9 @21391 has 4 MA's), (Start: 12 @21397 has 35 MA's), (27, 21517), (35, 21550), (36, 21553), (41, 21580), (60, 21667), (87, 21754), (111, 21856), (222, 22384), (223, 22390), (227, 22420), (234, 22453), (236, 22465), (251, 22558), (257, 22588), (273, 22684), (292, 22756), (312, 22822), (320, 22834), (335, 22879),

Gene: SwirlSquare_33 Start: 21533, Stop: 23197, Start Num: 12

Candidate Starts for SwirlSquare_33:

(Start: 12 @21533 has 35 MA's), (25, 21644), (34, 21680), (54, 21779), (58, 21803), (90, 21971), (91, 21977), (222, 22598), (236, 22679), (251, 22772), (257, 22802), (273, 22898), (292, 22970), (314, 23057), (335, 23126),

Gene: TNguyen7_31 Start: 22806, Stop: 24665, Start Num: 6

Candidate Starts for TNguyen7_31:

(Start: 6 @22806 has 110 MA's), (27, 22950), (31, 22965), (40, 23007), (63, 23130), (71, 23178), (83, 23220), (85, 23226), (88, 23247), (136, 23487), (140, 23517), (147, 23565), (167, 23691), (175, 23730), (179, 23769), (186, 23826), (190, 23859), (227, 24021), (228, 24024), (239, 24081), (250, 24147), (255, 24162), (295, 24363), (332, 24489), (333, 24492), (359, 24573), (361, 24585), (368, 24612), (375, 24642),

Gene: Taquarus_31 Start: 22963, Stop: 24819, Start Num: 7

Candidate Starts for Taquarus_31:

(Start: 7 @22963 has 153 MA's), (25, 23089), (31, 23113), (53, 23218), (54, 23224), (61, 23272), (64, 23281), (70, 23323), (83, 23368), (85, 23374), (106, 23479), (110, 23491), (124, 23569), (137, 23638), (174, 23866), (177, 23890), (178, 23893), (182, 23920), (183, 23923), (198, 24028), (204, 24058), (207, 24073), (226, 24163), (233, 24202), (243, 24247), (268, 24415), (296, 24532), (297, 24538), (309, 24583), (328, 24634), (329, 24637), (347, 24700), (351, 24709), (373, 24796),

Gene: Taurus_33 Start: 23276, Stop: 25033, Start Num: 6

Candidate Starts for Taurus_33:

(Start: 6 @23276 has 110 MA's), (25, 23411), (40, 23477), (49, 23522), (56, 23558), (83, 23690), (89, 23726), (94, 23747), (118, 23804), (132, 23864), (144, 23918), (153, 23978), (172, 24098), (174, 24101), (184, 24170), (185, 24194), (204, 24287), (210, 24308), (220, 24353), (280, 24683), (297, 24752), (316, 24815), (367, 24986),

Gene: Texage_31 Start: 23374, Stop: 25233, Start Num: 6

Candidate Starts for Texage_31:

(Start: 6 @23374 has 110 MA's), (27, 23518), (32, 23536), (40, 23575), (44, 23596), (53, 23638), (56, 23656), (88, 23815), (93, 23842), (113, 23947), (116, 23968), (136, 24055), (141, 24097), (179, 24337), (190, 24427), (204, 24484), (239, 24649), (249, 24703), (250, 24715), (255, 24730), (277, 24859), (278, 24871), (295, 24931), (297, 24943), (310, 24988), (318, 25006), (361, 25153), (368, 25180), (375, 25210),

Gene: Thanksgivukkah_31 Start: 22961, Stop: 24817, Start Num: 7

Candidate Starts for Thanksgivukkah_31:

(Start: 7 @22961 has 153 MA's), (25, 23087), (31, 23111), (53, 23216), (54, 23222), (61, 23270), (64, 23279), (70, 23321), (83, 23366), (85, 23372), (106, 23477), (110, 23489), (124, 23567), (137, 23636), (174, 23864), (177, 23888), (178, 23891), (182, 23918), (183, 23921), (198, 24026), (204, 24056), (207, 24071), (226, 24161), (233, 24200), (243, 24245), (268, 24413), (296, 24530), (297, 24536), (309, 24581), (328, 24632), (329, 24635), (347, 24698), (351, 24707), (373, 24794),

Gene: Tiffany_33 Start: 23171, Stop: 24922, Start Num: 6

Candidate Starts for Tiffany_33:

(Start: 6 @23171 has 110 MA's), (25, 23306), (40, 23372), (49, 23417), (56, 23453), (68, 23525), (71, 23543), (89, 23621), (94, 23642), (118, 23699), (132, 23759), (156, 23897), (172, 23993), (174, 23996), (184, 24065), (185, 24089), (193, 24134), (204, 24182), (220, 24248), (251, 24419), (253, 24425), (262, 24476), (268, 24521), (287, 24599), (297, 24641), (309, 24683), (342, 24785), (343, 24788), (351, 24812),

Gene: TinaFeyge_31 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for TinaFeyge_31:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (106, 23473), (110, 23485), (117, 23539), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (243, 24241), (268, 24409), (296, 24526), (297, 24532), (309, 24577), (328, 24628), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: Tinybot_30 Start: 22937, Stop: 24793, Start Num: 7

Candidate Starts for Tinybot_30:

(Start: 7 @22937 has 153 MA's), (25, 23063), (31, 23087), (61, 23246), (64, 23255), (70, 23297), (83, 23342), (85, 23348), (106, 23453), (110, 23465), (124, 23543), (137, 23612), (164, 23780), (168, 23810), (174, 23840), (178, 23867), (182, 23894), (183, 23897), (198, 24002), (203, 24023), (204, 24032), (226, 24137), (233, 24176), (243, 24221), (267, 24383), (296, 24506), (297, 24512), (347, 24674), (351, 24683),

Gene: TipsytheTRex_30 Start: 21878, Stop: 23713, Start Num: 10

Candidate Starts for TipsytheTRex_30:

(Start: 10 @21878 has 2 MA's), (27, 22001), (31, 22016), (35, 22034), (47, 22091), (56, 22139), (58, 22151), (81, 22262), (90, 22319), (91, 22325), (129, 22505), (152, 22589), (162, 22640), (167, 22661), (180, 22727), (191, 22811), (196, 22823), (222, 22931), (236, 23012), (253, 23111), (273, 23231), (328, 23435), (331, 23450), (362, 23561), (372, 23603),

Gene: TiroTheta9_31 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for TiroTheta9_31:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (106, 23473), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (243, 24241), (268, 24409), (296, 24526), (297, 24532), (309, 24577), (328, 24628), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: Toaka_30 Start: 22544, Stop: 24361, Start Num: 11

Candidate Starts for Toaka_30:

(Start: 11 @22544 has 12 MA's), (13, 22550), (24, 22649), (54, 22793), (58, 22817), (133, 23180), (135, 23183), (149, 23216), (166, 23294), (169, 23318), (171, 23336), (176, 23360), (189, 23486), (209, 23576), (236, 23714), (268, 23918), (278, 23963), (281, 23972), (299, 24047), (300, 24050), (381, 24350),

Gene: Todacoro_32 Start: 23373, Stop: 25232, Start Num: 6

Candidate Starts for Todacoro_32:

(Start: 6 @23373 has 110 MA's), (27, 23517), (32, 23535), (40, 23574), (44, 23595), (53, 23637), (56, 23655), (88, 23814), (93, 23841), (113, 23946), (116, 23967), (136, 24054), (141, 24096), (178, 24318), (179, 24336), (190, 24426), (204, 24483), (239, 24648), (249, 24702), (250, 24714), (255, 24729), (277, 24858), (278, 24870), (295, 24930), (297, 24942), (310, 24987), (318, 25005), (361, 25152), (368, 25179), (375, 25209),

Gene: Tomathan_34 Start: 22559, Stop: 24412, Start Num: 12

Candidate Starts for Tomathan_34:

(Start: 9 @22553 has 4 MA's), (Start: 12 @22559 has 35 MA's), (27, 22679), (47, 22769), (58, 22829), (66, 22880), (87, 22973), (90, 22997), (91, 23003), (191, 23510), (208, 23579), (227, 23666), (244, 23747), (273, 23930), (331, 24149), (336, 24161), (345, 24191), (362, 24260), (369, 24284), (370, 24293), (380, 24329),

Gene: Topanga_33 Start: 23566, Stop: 25401, Start Num: 7

Candidate Starts for Topanga_33:

(Start: 7 @23566 has 153 MA's), (30, 23713), (39, 23749), (67, 23905), (85, 23974), (88, 23995), (93, 24022), (136, 24235), (137, 24253), (167, 24439), (175, 24478), (179, 24517), (186, 24574), (190, 24607), (204, 24664), (218, 24718), (231, 24790), (232, 24793), (255, 24910), (258, 24934), (261, 24949), (262, 24955), (268, 25003), (275, 25030), (289, 25084), (294, 25105), (295, 25108), (298, 25126), (316, 25183), (322, 25198), (336, 25246), (345, 25279), (356, 25309), (375, 25384),

Gene: Trixie_34 Start: 24439, Stop: 26220, Start Num: 8

Candidate Starts for Trixie_34:

(Start: 8 @24439 has 26 MA's), (25, 24556), (27, 24565), (56, 24697), (115, 24964), (136, 25054), (137, 25072), (141, 25096), (179, 25336), (190, 25426), (204, 25483), (230, 25606), (253, 25723), (261, 25768), (289, 25903), (294, 25924), (298, 25945), (322, 26017), (345, 26098), (356, 26128), (363, 26158),

Gene: TroyPia_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for TroyPia_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Tubs_33 Start: 24377, Stop: 26143, Start Num: 8

Candidate Starts for Tubs_33:

(Start: 8 @24377 has 26 MA's), (13, 24389), (40, 24563), (58, 24653), (69, 24698), (71, 24707), (89, 24785), (95, 24809), (103, 24845), (136, 24974), (137, 24992), (175, 25217), (178, 25238), (179, 25256), (190, 25346), (204, 25403), (230, 25526), (255, 25649), (261, 25688), (268, 25745), (289, 25826), (294, 25847), (295, 25850), (322, 25940), (356, 26051), (375, 26126),

Gene: Twister_33 Start: 23481, Stop: 25316, Start Num: 7

Candidate Starts for Twister_33:

(Start: 7 @23481 has 153 MA's), (15, 23514), (39, 23664), (85, 23889), (88, 23910), (93, 23937), (126, 24117), (136, 24150), (137, 24168), (141, 24192), (159, 24300), (179, 24432), (186, 24489), (190, 24522), (204, 24579), (218, 24633), (221, 24648), (230, 24702), (250, 24810), (255, 24825), (258, 24849), (261, 24864), (273, 24936), (282, 24981), (289, 24999), (294, 25020), (295, 25023), (316, 25098), (322, 25113), (345, 25194), (356, 25224), (363, 25254), (375, 25299), (376, 25302),

Gene: TygerBlood_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for TygerBlood_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Ugenie5_30 Start: 24410, Stop: 26176, Start Num: 8

Candidate Starts for Ugenie5_30:

(Start: 8 @24410 has 26 MA's), (13, 24422), (40, 24596), (58, 24686), (69, 24731), (71, 24740), (89, 24818), (95, 24842), (103, 24878), (136, 25007), (137, 25025), (175, 25250), (178, 25271), (179, 25289), (190, 25379), (204, 25436), (230, 25559), (255, 25682), (261, 25721), (268, 25778), (289, 25859), (294, 25880), (295, 25883), (322, 25973), (356, 26084), (375, 26159),

Gene: Ulysses_30 Start: 22678, Stop: 24534, Start Num: 7

Candidate Starts for Ulysses_30:

(Start: 7 @22678 has 153 MA's), (25, 22804), (31, 22828), (53, 22933), (54, 22939), (61, 22987), (64, 22996), (70, 23038), (83, 23083), (85, 23089), (106, 23194), (110, 23206), (120, 23269), (124, 23284), (137, 23353), (164, 23521), (174, 23581), (178, 23608), (182, 23635), (183, 23638), (198, 23743), (203, 23764), (204, 23773), (226, 23878), (243, 23962), (258, 24061), (296, 24247), (297, 24253), (309, 24298), (328, 24349), (329, 24352), (347, 24415), (351, 24424), (373, 24511),

Gene: VA6_31 Start: 22715, Stop: 24568, Start Num: 12

Candidate Starts for VA6_31:

(Start: 9 @22709 has 4 MA's), (Start: 12 @22715 has 35 MA's), (27, 22835), (47, 22925), (58, 22985), (61, 23009), (66, 23036), (87, 23129), (90, 23153), (91, 23159), (112, 23261), (191, 23666), (208, 23735), (244, 23903), (257, 23990), (273, 24086), (311, 24233), (345, 24347), (362, 24416), (369, 24440), (376, 24470), (380, 24485),

Gene: VC3_34 Start: 22703, Stop: 24556, Start Num: 12

Candidate Starts for VC3_34:

(Start: 9 @22697 has 4 MA's), (Start: 12 @22703 has 35 MA's), (27, 22823), (47, 22913), (58, 22973), (61, 22997), (66, 23024), (87, 23117), (90, 23141), (91, 23147), (112, 23249), (191, 23654), (208, 23723), (244, 23891), (257, 23978), (273, 24074), (311, 24221), (345, 24335), (362, 24404), (369, 24428), (376, 24458), (380, 24473),

Gene: Veracruz_31 Start: 23373, Stop: 25232, Start Num: 6

Candidate Starts for Veracruz_31:

(Start: 6 @23373 has 110 MA's), (27, 23517), (32, 23535), (40, 23574), (44, 23595), (53, 23637), (56, 23655), (88, 23814), (93, 23841), (113, 23946), (116, 23967), (136, 24054), (141, 24096), (178, 24318), (179, 24336), (190, 24426), (204, 24483), (239, 24648), (249, 24702), (250, 24714), (255, 24729), (277, 24858), (278, 24870), (295, 24930), (297, 24942), (310, 24987), (318, 25005), (361, 25152), (368, 25179), (375, 25209),

Gene: Vix_33 Start: 23359, Stop: 25116, Start Num: 6

Candidate Starts for Vix_33:

(Start: 6 @23359 has 110 MA's), (25, 23494), (40, 23560), (49, 23605), (56, 23641), (83, 23773), (89, 23809), (94, 23830), (118, 23887), (132, 23947), (144, 24001), (153, 24061), (172, 24181), (174, 24184), (184, 24253), (185, 24277), (204, 24370), (210, 24391), (220, 24436), (280, 24766), (297, 24835), (316, 24898), (367, 25069),

Gene: WalterMcMickey_33 Start: 23481, Stop: 25316, Start Num: 7

Candidate Starts for WalterMcMickey_33:

(Start: 7 @23481 has 153 MA's), (15, 23514), (39, 23664), (85, 23889), (88, 23910), (93, 23937), (126, 24117), (136, 24150), (137, 24168), (141, 24192), (159, 24300), (179, 24432), (186, 24489), (190, 24522), (204, 24579), (218, 24633), (221, 24648), (230, 24702), (250, 24810), (255, 24825), (258, 24849), (261, 24864), (273, 24936), (282, 24981), (289, 24999), (294, 25020), (295, 25023), (316, 25098), (322, 25113), (345, 25194), (356, 25224), (363, 25254), (375, 25299), (376, 25302),

Gene: Wander_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Wander_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (203, 24046), (204, 24055), (226, 24160), (233, 24199), (243, 24244), (267, 24406), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Watson_33 Start: 23269, Stop: 25026, Start Num: 6

Candidate Starts for Watson_33:

(Start: 6 @23269 has 110 MA's), (25, 23404), (40, 23470), (49, 23515), (56, 23551), (83, 23683), (89, 23719), (94, 23740), (118, 23797), (132, 23857), (144, 23911), (153, 23971), (172, 24091), (174, 24094), (184, 24163), (185, 24187), (204, 24280), (210, 24301), (220, 24346), (280, 24676), (297, 24745), (316, 24808), (367, 24979),

Gene: WeiHuaDA_37 Start: 25110, Stop: 26891, Start Num: 8

Candidate Starts for WeiHuaDA_37:

(Start: 8 @25110 has 26 MA's), (25, 25227), (27, 25236), (56, 25368), (88, 25527), (115, 25635), (116, 25638), (136, 25725), (137, 25743), (141, 25767), (175, 25968), (179, 26007), (190, 26097), (204, 26154), (218, 26208), (230, 26277), (253, 26394), (261, 26439), (289, 26574), (294, 26595), (298, 26616), (319, 26682), (345, 26769), (356, 26799), (363, 26829), (375, 26874),

Gene: Wilbur_31 Start: 22960, Stop: 24816, Start Num: 7

Candidate Starts for Wilbur_31:

(Start: 7 @22960 has 153 MA's), (25, 23086), (31, 23110), (53, 23215), (54, 23221), (61, 23269), (64, 23278), (70, 23320), (83, 23365), (85, 23371), (106, 23476), (110, 23488), (124, 23566), (137, 23635), (174, 23863), (177, 23887), (178, 23890), (182, 23917), (183, 23920), (198, 24025), (204, 24055), (207, 24070), (226, 24160), (233, 24199), (243, 24244), (268, 24412), (296, 24529), (297, 24535), (309, 24580), (328, 24631), (329, 24634), (347, 24697), (351, 24706), (373, 24793),

Gene: Wile_31 Start: 22982, Stop: 24841, Start Num: 7

Candidate Starts for Wile_31:

(2, 22922), (3, 22937), (Start: 7 @22982 has 153 MA's), (20, 23048), (22, 23093), (24, 23099), (31, 23132), (35, 23150), (44, 23195), (46, 23201), (47, 23207), (64, 23300), (65, 23315), (83, 23387), (95, 23447), (106, 23498), (110, 23510), (124, 23588), (137, 23657), (155, 23780), (160, 23804), (174, 23885), (179, 23930), (182, 23939), (183, 23942), (203, 24071), (204, 24080), (216, 24122), (220, 24149), (226, 24185), (230, 24212), (233, 24224), (260, 24380), (296, 24554), (297, 24560), (309, 24605), (328, 24656), (329, 24659), (340, 24695), (351, 24731),

Gene: Wizard007_31 Start: 22962, Stop: 24818, Start Num: 7

Candidate Starts for Wizard007_31:

(Start: 7 @22962 has 153 MA's), (25, 23088), (31, 23112), (53, 23217), (54, 23223), (61, 23271), (64, 23280), (70, 23322), (83, 23367), (85, 23373), (106, 23478), (110, 23490), (124, 23568), (137, 23637), (174, 23865), (177, 23889), (178, 23892), (182, 23919), (183, 23922), (198, 24027), (204, 24057), (207, 24072), (226, 24162), (233, 24201), (243, 24246), (268, 24414), (296, 24531), (297, 24537), (309, 24582), (328, 24633), (329, 24636), (347, 24699), (351, 24708), (373, 24795),

Gene: Wooldri_35 Start: 23188, Stop: 24945, Start Num: 6

Candidate Starts for Wooldri_35:

(Start: 6 @23188 has 110 MA's), (25, 23323), (40, 23389), (49, 23434), (56, 23470), (83, 23602), (89, 23638), (94, 23659), (118, 23716), (132, 23776), (144, 23830), (153, 23890), (172, 24010), (174, 24013), (184, 24082), (185, 24106), (204, 24199), (210, 24220), (220, 24265), (280, 24595), (297, 24664), (316, 24727), (367, 24898),

Gene: Xena_31 Start: 22969, Stop: 24828, Start Num: 7

Candidate Starts for Xena_31:

(2, 22909), (Start: 7 @22969 has 153 MA's), (20, 23035), (22, 23080), (24, 23086), (31, 23119), (35, 23137), (44, 23182), (46, 23188), (47, 23194), (64, 23287), (65, 23302), (83, 23374), (95, 23434), (106, 23485), (110, 23497), (124, 23575), (137, 23644), (155, 23767), (160, 23791), (174, 23872), (179, 23917), (182, 23926), (183, 23929), (203, 24058), (204, 24067), (216, 24109), (220, 24136), (226, 24172), (230, 24199), (233, 24211), (260, 24367), (296, 24541), (297, 24547), (309, 24592), (328, 24643), (329, 24646), (340, 24682), (351, 24718),

Gene: XianYue_31 Start: 22723, Stop: 24396, Start Num: 9

Candidate Starts for XianYue_31:

(Start: 9 @22723 has 4 MA's), (25, 22840), (27, 22849), (28, 22855), (34, 22876), (40, 22906), (56, 22987), (89, 23155), (97, 23179), (123, 23287), (146, 23353), (193, 23620), (243, 23833), (274, 24019), (285, 24064), (288, 24073), (301, 24124), (305, 24142), (365, 24361), (371, 24388),

Gene: Yecey3_32 Start: 22435, Stop: 24132, Start Num: 9

Candidate Starts for Yecey3_32:

(Start: 9 @22435 has 4 MA's), (23, 22540), (35, 22594), (41, 22624), (54, 22687), (58, 22711), (90, 22789), (96, 22810), (98, 22813), (110, 22864), (112, 22885), (129, 22963), (130, 22966), (191, 23278), (192, 23281), (200, 23314), (201, 23320), (222, 23404), (223, 23410), (224, 23425), (236, 23485), (259, 23617), (273, 23704), (307, 23839), (315, 23866), (338, 23941), (342, 23956), (351, 23992), (357, 24016), (364, 24049), (367, 24061),

Gene: YoSam321_31 Start: 22957, Stop: 24813, Start Num: 7

Candidate Starts for YoSam321_31:

(Start: 7 @22957 has 153 MA's), (25, 23083), (31, 23107), (53, 23212), (54, 23218), (61, 23266), (64, 23275), (70, 23317), (83, 23362), (85, 23368), (106, 23473), (110, 23485), (124, 23563), (137, 23632), (174, 23860), (177, 23884), (178, 23887), (182, 23914), (183, 23917), (198, 24022), (204, 24052), (207, 24067), (226, 24157), (233, 24196), (243, 24241), (268, 24409), (296, 24526), (297, 24532), (309, 24577), (328, 24628), (329, 24631), (347, 24694), (351, 24703), (373, 24790),

Gene: Zetzy_32 Start: 22817, Stop: 24574, Start Num: 6

Candidate Starts for Zetzy_32:

(Start: 6 @22817 has 110 MA's), (25, 22952), (40, 23018), (49, 23063), (77, 23210), (89, 23267), (94, 23288), (132, 23405), (144, 23459), (153, 23519), (168, 23612), (172, 23639), (174, 23642), (184, 23711), (185, 23735), (193, 23780), (206, 23840), (210, 23849), (220, 23894), (227, 23933), (239, 23990), (280, 24224), (297, 24293), (316, 24356), (351, 24464),