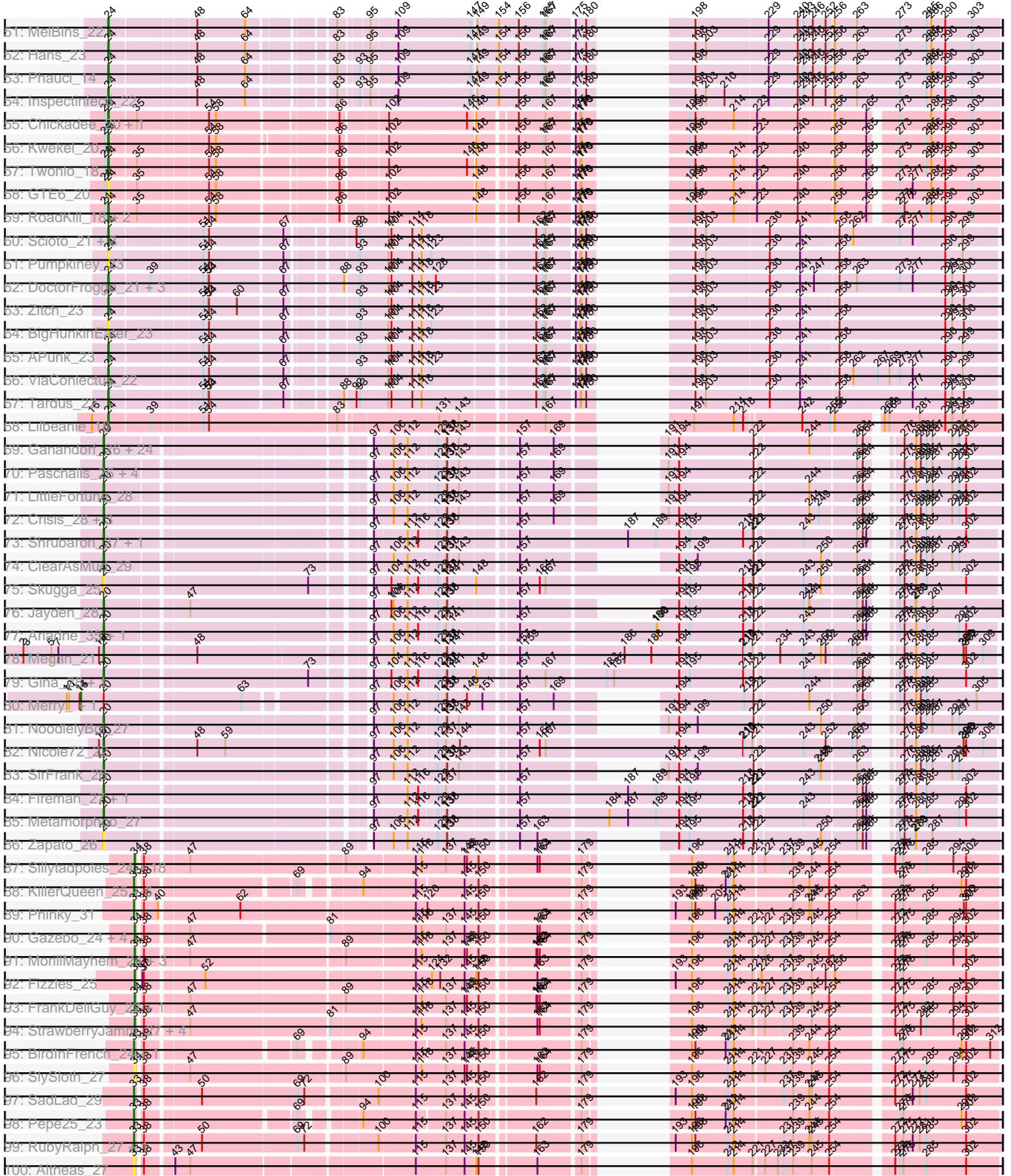


Pham 283431



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 283431 Report

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

Pham number 283431 has 283 members, 34 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus_20
- Track 2 : Tank_20, Wilde_20
- Track 3 : Rizwana_19
- Track 4 : Hive_26, BetaFish_26, Beagle_27, Pointis_26, PhuzzTulsa_24, DogYard_26, Pureglobe5_28, Popstraw_24, Kubulix_27
- Track 5 : Forrestell_23, MellowYellow_23
- Track 6 : Odyssey395_28
- Track 7 : NyleyClemson_22, RazzB_22
- Track 8 : Ren19_19, Nikan_21
- Track 9 : Ollypop_24
- Track 10 : BruhMoment_21
- Track 11 : SilentRX_21
- Track 12 : AWGoat_19
- Track 13 : BayC_13, Salete_13, Maih_13
- Track 14 : TP1604_13, BabyGotBac_13, Asis_13
- Track 15 : Abt2graduatex2_13
- Track 16 : Xkcd426_14
- Track 17 : RainyPolka_13
- Track 18 : YDN12_14
- Track 19 : Mischief19_14
- Track 20 : Jambalaya_19, TillyBobJoe_19, Savbucketdawg_19, Shinji_19, Portcullis_19
- Track 21 : Mutzi_21
- Track 22 : Danyall_21, VanDeWege_22, CherryCola_23, Twister6_21, RogerDodger_22, Valary_22, CoveyB_21
- Track 23 : Salvador_19, SmokingBunny_19, Nubi_19, Evamon_19, Togo_19
- Track 24 : KimmyK_21, PinkCoffee_21, ClamChowder_21, Fugax_21, Barb_21
- Track 25 : Halo3_20
- Track 26 : Gezellig_19, Egi03_19, Fireball_20, Wizard_19
- Track 27 : Phlop_19, PullumCavea_19
- Track 28 : YungMoney_21
- Track 29 : Bakery_20
- Track 30 : Arri_22
- Track 31 : Clown_23
- Track 32 : Baumdotcom_20, Saronaya_20, Gustavo_20
- Track 33 : Lennon_22, Bibwit_21, Sedona_22, Stultus_20, Sitar_22, Ailee_20
- Track 34 : Flatwoods_21, Gaea_20, Tycho_20, Kroos_21, Kwobi_22, Bizzy_21

- Track 35 : Fosterous_18, Love_22, MoontowerMania_19, Brandonk123_22, Shivanishola_20, Kamashten_21, BobBob_18, Sanjuju_18, Jabberwocky_18, Charming_18, Tangent_18, Thing3_21, Paries_21, Geodirt_19
- Track 36 : Kewpiedoll_21, ChadMasterC_20, FuegoCuervo_23, McCrothy_21, Vivi2_20, Barsten_21, Fitzgerald_18, Galadriel_22, McKinley_21
- Track 37 : Derg_16, LilHam_18, SchottB_19
- Track 38 : Ashertheman_21, StorminNorm_20, Tangerine_20
- Track 39 : Ribeye_21
- Track 40 : Rofo_20
- Track 41 : Affeca_20, Angelicage_20
- Track 42 : JKSyngboy_19
- Track 43 : Keitabear_22
- Track 44 : Baddon_20
- Track 45 : Nordenberg_15
- Track 46 : YorkOnyx_21
- Track 47 : RiverRaider_21
- Track 48 : Leonard_21, Ali17_19, Phinally_21
- Track 49 : Belphegor_18
- Track 50 : EMOore_16
- Track 51 : MelBins_22
- Track 52 : Hans_23
- Track 53 : Phauci_14
- Track 54 : Inspectinfecti_22
- Track 55 : Chickadee_20, Tiamoceli_21
- Track 56 : Kwekel_20
- Track 57 : Twonlo_18
- Track 58 : GTE6_20
- Track 59 : RoadKill_18, Dexdert_21, EdmundFerry_19
- Track 60 : Scioto_21, Natkenzie_21, Sampson_21, Abblin_21
- Track 61 : Pumpkiney_23
- Track 62 : DoctorFroggo_21, Zipp_21, Delrey21_21, Verity_21
- Track 63 : Zitch_23
- Track 64 : BigHunkinEater_23
- Track 65 : APunk_23
- Track 66 : ViaConlectus_22
- Track 67 : Tardus_22
- Track 68 : Lilbeanie_18
- Track 69 : Ganandorf_26, Quhwah_30, Jefe_27, BrazzalePHS_26, Pulchra_28, Cranjis_28, Jollipop_27, PiperSansNom_27, Hermeonysus_26, BeagleBug_26, Onika_26, Busephilis_26, Savannah_26, Selwyn23_28, Lucretia_27, PhedwardCullen_25, PierreOrion_27, Antares_27, Scumberland_28, Shotgun_26, Phorgeous_26, CrazyRich_26, Honeyfin_28, Yeti_27, Piperis_27
- Track 70 : Paschalis_26, Rockwell_26, Ramiel05_26, Glorp_28, Kowalski_26
- Track 71 : LittleFortune_28
- Track 72 : Crisis_28, KaiHaiDragon_27, EarickHC_27, Phrancesco_27
- Track 73 : Shrubaron_27, RobsFeet_28
- Track 74 : ClearAsMud_29
- Track 75 : Skugga_25
- Track 76 : Jayden_28
- Track 77 : Ariadne_35, Smarties_35
- Track 78 : Megan_21
- Track 79 : Gina_28, Teamocil_28
- Track 80 : Merry_, Sunny_

- Track 81 : NoodlelyBoi_27
- Track 82 : Nicole72_22
- Track 83 : SirFrank_26
- Track 84 : Fireman_27, Tyrumbra_25
- Track 85 : Metamorphoo_27
- Track 86 : Zapato_26
- Track 87 : Sillytadpoles_24, Llemily_24, Statler_26, Phabia_25, Zagie_25, Quammi_23, Rowlf_21, Zhafia_27, Wheelie_24, Jehoshaphat_27, Teehee_26, Nike_25, Viceroy_24, Lonelysoil_24, Squash_27, Wayne3_26, Rudy_23, DonaldDuck_24, Casend_26
- Track 88 : KillerQueen_25, Kelcole_23, CandC_23, RobinRose_26, Tempo_24, Romm_26, Fregley_25
- Track 89 : Phinky_31
- Track 90 : Gazebo_24, Mentos_29, Mashley_23, Hyperion_24, Tissue_25
- Track 91 : MorillMayhem_24, BabyDotz_24, BaconCheese_28, Mila11_28
- Track 92 : Fizzles_25
- Track 93 : FrankDeliGuy_22, Judebell_27
- Track 94 : StrawberryJamm_27, Namago_25, Kyva_27, Grassboy_26, SallyK_26
- Track 95 : BirdInFrench_24, Wilca_24
- Track 96 : SlySloth_27
- Track 97 : SadLad_29
- Track 98 : Pepe25_23
- Track 99 : RubyRalph_27, Fransoyer_27
- Track 100 : Altheas_27
- Track 101 : OneinaGillian_24
- Track 102 : Marcie_29
- Track 103 : Blab_23
- Track 104 : AluminumJesus_23
- Track 105 : EverythinBagel_24
- Track 106 : WheelerS25_30
- Track 107 : Terij_23
- Track 108 : Cressida_24
- Track 109 : Cinna_22, Matzah_23
- Track 110 : Kozie_23
- Track 111 : MementoMori_23
- Track 112 : Margaery_22
- Track 113 : Boise_16, RomansRevenge_16
- Track 114 : Rasputia_56
- Track 115 : Dewdrop_60, Leaf_60
- Track 116 : Hendrix_57
- Track 117 : MisoSoup_18
- Track 118 : FuzzBuster_31
- Track 119 : TurkishDelight_17

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

The start number called the most often in the published annotations is 24, it was called in 110 of the 249 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- APunk_23, Abblin_21, Affeca_20, Ailee_20, Ali17_19, Angelicage_20, Arri_22, Ashertheman_21, Baddon_20, Bakery_20, Barb_21, Barsten_21, Baumdotcom_20, Belphegor_18, Bibwit_21, BigHunkinEater_23, Bizzy_21, BobBob_18, Brandonk123_22, ChadMasterC_20, Charming_18, CherryCola_23, Chickadee_20, ClamChowder_21, Clown_23, CoveyB_21, Danyall_21, Delrey21_21, Derg_16, Dextert_21, DoctorFroggo_21, EMOore_16, EdmundFerry_19, Egi03_19, Evamon_19, Fireball_20, Fitzgerald_18, Flatwoods_21, Fosterous_18, FuegoCuervo_23, Fugax_21, GTE6_20, Gaea_20, Galadriel_22, Geodirt_19, Gezellig_19, Gustavo_20, Halo3_20, Hans_23, Inspectinfecti_22, JKSyngboy_19, Jabberwocky_18, Jambalaya_19, Kamashten_21, Keitabear_22, Kewpiedoll_21, KimmyK_21, Kroos_21, Kwekel_20, Kwobi_22, Lennon_22, Leonard_21, LilHam_18, Lilbeanie_18, Love_22, McCrothy_21, McKinley_21, MelBins_22, MoontowerMania_19, Mutzi_21, Natkenzie_21, Nordenberg_15, Nubi_19, Paries_21, Phauci_14, Phinally_21, Phlop_19, PinkCoffee_21, Portcullis_19, PullumCavea_19, Pumpkiney_23, Ribeye_21, RiverRaider_21, RoadKill_18, Rofo_20, RogerDodger_22, Salvador_19, Sampson_21, Sanjuju_18, Saronaya_20, Savbucketdawg_19, SchottB_19, Scioto_21, Sedona_22, Shinji_19, Shivanishola_20, Sitar_22, SmokingBunny_19, StorminNorm_20, Stultus_20, Tangent_18, Tangerine_20, Tardus_22, Thing3_21, Tiamoceli_21, TillyBobJoe_19, Togo_19, Twister6_21, Twonlo_18, Tycho_20, Valary_22, VanDeWege_22, Verity_21, ViaConlectus_22, Vivi2_20, Wizard_19, YorkOnyx_21, YungMoney_21, Zipp_21, Zitch_23,

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

-

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

- AWGoat_19, Abt2graduatex2_13, Altheas_27, AluminumJesus_23, Antares_27, Ariadne_35, Asis_13, BabyDotz_24, BabyGotBac_13, BaconCheese_28, BayC_13, BeagleBug_26, Beagle_27, BetaFish_26, BirdInFrench_24, Blab_23, Boise_16, BrazzalePHS_26, BruhMoment_21, Busephilis_26, CandC_23, Casend_26, Cinna_22, ClearAsMud_29, Cranjis_28, CrazyRich_26, Cressida_24, Crisis_28, Dewdrop_60, DogYard_26, DonaldDuck_24, EarickHC_27, EverythinBagel_24, Fireman_27, Fizzles_25, Forrestell_23, FrankDeliGuy_22, Fransoyer_27, Fregley_25, FuzzBuster_31, Ganandorf_26, Gazebo_24, Gina_28, Glorp_28, Grassboy_26, Hendrix_57, Hermeonysus_26, Hive_26, Honeyfin_28, Hyperion_24, Jayden_28, Jefe_27, Jehoshaphat_27, Jollipop_27, Judebell_27, KaiHaiDragon_27, Kelcole_23, KillerQueen_25, Kowalski_26, Kozi_23, Kubulix_27, Kyva_27, Leaf_60, LittleFortune_28, Llemily_24, Lonelysoil_24, Lucretia_27, Maih_13, Marcie_29, Margaery_22, Mashley_23, Matzah_23, Megan_21, MellowYellow_23, MementoMori_23, Mentos_29, Merry_, Metamorphoo_27, Mila11_28, Mischief19_14, MisoSoup_18, MorillMayhem_24, Namago_25, Nicole72_22, Nikan_21, Nike_25, NoodlelyBoi_27, NyleyClemson_22, Odyssey395_28, Ollypop_24, OneinaGillian_24, Onika_26, Paschalis_26, Pepe25_23, Phabia_25, PhedwardCullen_25, Phinky_31, Phorgeous_26, Phrancesco_27, PhuzzTulsa_24, PierreOrion_27, PiperSansNom_27, Piperis_27, Pointis_26, Popstraw_24, Pulchra_28, Pureglobe5_28, Quammi_23, Quhwah_30, RainyPolka_13, Ramiel05_26, Ranunculus_20, Rasputia_56, RazzB_22, Ren19_19, Rizwana_19, RobinRose_26, RobsFeet_28, Rockwell_26, RomansRevenge_16, Romm_26, Rowlf_21, RubyRalph_27, Rudy_23, SadLad_29, Salet_13, SallyK_26, Savannah_26, Scumberland_28, Selwyn23_28, Shotgun_26, Shrubaron_27, SilentRX_21, Sillytadpoles_24, SirFrank_26, Skugga_25, SlySloth_27, Smarties_35, Squash_27, Statler_26, StrawberryJamm_27, Sunny_, TP1604_13, Tank_20, Teamocil_28, Teehee_26, Tempo_24, Terij_23, Tissue_25,

TurkishDelight_17, Tyumbra_25, Viceroy_24, Wayne3_26, WheelerS25_30, Wheelie_24, Wilca_24, Wilde_20, Xkcd426_14, YDN12_14, Yeti_27, Zagie_25, Zapato_26, Zhafia_27,

Summary by start number:

Start 8:

- Found in 1 of 283 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 249
- Called 100.0% of time when present
- Phage (with cluster) where this start called: FuzzBuster_31 (singleton),

Start 15:

- Found in 2 of 283 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 249
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Merry_ (EC), Sunny_ (EC),

Start 19:

- Found in 4 of 283 (1.4%) of genes in pham
- Manual Annotations of this start: 4 of 249
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dewdrop_60 (GC), Hendrix_57 (GC), Leaf_60 (GC), Rasputia_56 (GC),

Start 20:

- Found in 63 of 283 (22.3%) of genes in pham
- Manual Annotations of this start: 52 of 249
- Called 95.2% of time when present
- Phage (with cluster) where this start called: Antares_27 (EC), Ariadne_35 (EC), BeagleBug_26 (EC), BrazzalePHS_26 (EC), Busephilis_26 (EC), Cinna_22 (EI), ClearAsMud_29 (EC), Cranjis_28 (EC), CrazyRich_26 (EC), Cressida_24 (EI), Crisis_28 (EC), EarickHC_27 (EC), Fireman_27 (EC), Ganandorf_26 (EC), Gina_28 (EC), Glorp_28 (EC), Hermeonysus_26 (EC), Honeyfin_28 (EC), Jayden_28 (EC), Jefe_27 (EC), Jollipop_27 (EC), KaiHaiDragon_27 (EC), Kowalski_26 (EC), Kozie_23 (EI), LittleFortune_28 (EC), Lucretia_27 (EC), Margaery_22 (EI), Matzah_23 (EI), Megan_21 (EC), MementoMori_23 (EI), Metamorphoo_27 (EC), MisoSoup_18 (UNK), Nicole72_22 (EC), NoodlelyBoi_27 (EC), Onika_26 (EC), Paschalis_26 (EC), PhedwardCullen_25 (EC), Phorgeous_26 (EC), Phrancesco_27 (EC), PierreOrion_27 (EC), PiperSansNom_27 (EC), Piperis_27 (EC), Pulchra_28 (EC), Quhwah_30 (EC), Ramiel05_26 (EC), RobsFeet_28 (EC), Rockwell_26 (EC), Savannah_26 (EC), Scumberland_28 (EC), Selwyn23_28 (EC), Shotgun_26 (EC), Shrubaron_27 (EC), SirFrank_26 (EC), Skugga_25 (EC), Smarties_35 (EC), Teamocil_28 (EC), Terij_23 (EI), Tyumbra_25 (EC), Yeti_27 (EC), Zapato_26 (EC),

Start 24:

- Found in 120 of 283 (42.4%) of genes in pham
- Manual Annotations of this start: 110 of 249
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_23 (DE4), Abblin_21 (DE4), Affeca_20 (DE1), Ailee_20 (DE1), Ali17_19 (DE2), Angelicage_20 (DE1), Arri_22 (DC1), Ashertheman_21 (DE1), Baddon_20 (DE1), Bakery_20 (DC1), Barb_21 (DC1), Barsten_21 (DE1), Baumdotcom_20 (DE1), Belphegor_18 (DE2), Bibwit_21

(DE1), BigHunkinEater_23 (DE4), Bizzy_21 (DE1), BobBob_18 (DE1), Brandonk123_22 (DE1), ChadMasterC_20 (DE1), Charming_18 (DE1), CherryCola_23 (DC1), Chickadee_20 (DE3), ClamChowder_21 (DC1), Clown_23 (DC2), CoveyB_21 (DC1), Danyall_21 (DC1), Delrey21_21 (DE4), Derg_16 (DE1), Dextert_21 (DE3), DoctorFroggo_21 (DE4), EMOORE_16 (DE2), EdmundFerry_19 (DE3), Egi03_19 (DC1), Evamon_19 (DC1), Fireball_20 (DC1), Fitzgerald_18 (DE1), Flatwoods_21 (DE1), Fosterous_18 (DE1), FuegoCuervo_23 (DE1), Fugax_21 (DC1), GTE6_20 (DE3), Gaea_20 (DE1), Galadriel_22 (DE1), Geodirt_19 (DE1), Gezellig_19 (DC1), Gustavo_20 (DE1), Halo3_20 (DC1), Hans_23 (DE2), Inspectinfecti_22 (DE2), JKSyngboy_19 (DE1), Jabberwocky_18 (DE1), Jambalaya_19 (DC1), Kamashten_21 (DE1), Keitabear_22 (DE1), Kewpiedoll_21 (DE1), KimmyK_21 (DC1), Kroos_21 (DE1), Kwekel_20 (DE3), Kwobi_22 (DE1), Lennon_22 (DE1), Leonard_21 (DE2), LilHam_18 (DE1), Lilbeanie_18 (DE5), Love_22 (DE1), McCrothy_21 (DE1), McKinley_21 (DE1), MelBins_22 (DE2), MoontowerMania_19 (DE1), Mutzi_21 (DC1), Natkenzie_21 (DE4), Nordenberg_15 (DE1), Nubi_19 (DC1), Paries_21 (DE1), Phauci_14 (DE2), Phinally_21 (DE2), Phlop_19 (DC1), PinkCoffee_21 (DC1), Portcullis_19 (DC1), PullumCavea_19 (DC1), Pumpkiney_23 (DE4), Ribeye_21 (DE1), RiverRaider_21 (DE1), RoadKill_18 (DE3), Rofo_20 (DE1), RogerDodger_22 (DC1), Salvador_19 (DC1), Sampson_21 (DE4), Sanjuju_18 (DE1), Saronaya_20 (DE1), Savbucketdawg_19 (DC1), SchottB_19 (DE1), Scioto_21 (DE4), Sedona_22 (DE1), Shinji_19 (DC1), Shivanishola_20 (DE1), Sitar_22 (DE1), SmokingBunny_19 (DC1), StorminNorm_20 (DE1), Stultus_20 (DE1), Tangent_18 (DE1), Tangerine_20 (DE1), Tardus_22 (DE4), Thing3_21 (DE1), Tiamoceli_21 (DE3), TillyBobJoe_19 (DC1), Togo_19 (DC1), Twister6_21 (DC1), Twonlo_18 (DE3), Tycho_20 (DE1), Valary_22 (DC1), VanDeWege_22 (DC1), Verity_21 (DE4), ViaConlectus_22 (DE4), Vivi2_20 (DE1), Wizard_19 (DC1), YorkOnyx_21 (DE1), YungMoney_21 (DC1), Zipp_21 (DE4), Zitch_23 (DE4),

Start 33:

- Found in 55 of 283 (19.4%) of genes in pham
- Manual Annotations of this start: 45 of 249
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AWGoat_19 (AP4), Abt2graduatex2_13 (BG), Altheas_27 (EG), Asis_13 (BG), BabyGotBac_13 (BG), BayC_13 (BG), Beagle_27 (AP2), BetaFish_26 (AP2), BirdInFrench_24 (EG), Boise_16 (FT), BruhMoment_21 (AP3), CandC_23 (EG), DogYard_26 (AP2), Forrestell_23 (AP2), Fransoyer_27 (EG), Fregley_25 (EG), Hive_26 (AP2), Kelcole_23 (EG), KillerQueen_25 (EG), Kubulix_27 (AP2), Maih_13 (BG), Marcie_29 (EG), MellowYellow_23 (AP2), Mischief19_14 (BG), Nikan_21 (AP2), NyleyClemson_22 (AP2), Odyssey395_28 (AP2), Ollypop_24 (AP2), OneinaGillian_24 (EG), Pepe25_23 (EG), Phinky_31 (EG), PhuzzTulsa_24 (AP2), Pointis_26 (AP2), Popstraw_24 (AP2), Pureglobe5_28 (AP2), RainyPolka_13 (BG), Ranunculus_20 (AP), RazzB_22 (AP2), Ren19_19 (AP2), Rizwana_19 (AP1), RobinRose_26 (EG), RomansRevenge_16 (FT), Romm_26 (EG), RubyRalph_27 (EG), SadLad_29 (EG), Salet_13 (BG), SilentRX_21 (AP4), TP1604_13 (BG), Tank_20 (AP1), Tempo_24 (EG), TurkishDelight_17 (singleton), Wilca_24 (EG), Wilde_20 (AP1), Xkcd426_14 (BG), YDN12_14 (BG),

Start 34:

- Found in 41 of 283 (14.5%) of genes in pham
- Manual Annotations of this start: 35 of 249
- Called 100.0% of time when present

- Phage (with cluster) where this start called: AluminumJesus_23 (EG), BabyDotz_24 (EG), BaconCheese_28 (EG), Blab_23 (EG), Casend_26 (EG), DonaldDuck_24 (EG), EverythinBagel_24 (EG), Fizzles_25 (EG), FrankDeliGuy_22 (EG), Gazebo_24 (EG), Grassboy_26 (EG), Hyperion_24 (EG), Jehoshaphat_27 (EG), Judebell_27 (EG), Kyva_27 (EG), Llemily_24 (EG), Lonelysoil_24 (EG), Mashley_23 (EG), Mentos_29 (EG), Mila11_28 (EG), MorillMayhem_24 (EG), Namago_25 (EG), Nike_25 (EG), Phabia_25 (EG), Quammi_23 (EG), Rowlf_21 (EG), Rudy_23 (EG), SallyK_26 (EG), Sillytadpoles_24 (EG), SlySloth_27 (EG), Squash_27 (EG), Statler_26 (EG), StrawberryJamm_27 (EG), Teehee_26 (EG), Tissue_25 (EG), Viceroy_24 (EG), Wayne3_26 (EG), WheelerS25_30 (EG), Wheelie_24 (EG), Zagie_25 (EG), Zhafia_27 (EG),

Summary by clusters:

There are 20 clusters represented in this pham: AP1, singleton, BG, EI, AP2, DE1, EG, DE3, DE4, DE5, EC, AP, GC, AP4, AP3, FT, UNK, DC2, DE2, DC1,

Info for manual annotations of cluster AP:

- Start number 33 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP1:

- Start number 33 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP2:

- Start number 33 was manually annotated 10 times for cluster AP2.

Info for manual annotations of cluster AP3:

- Start number 33 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:

- Start number 33 was manually annotated 2 times for cluster AP4.

Info for manual annotations of cluster BG:

- Start number 33 was manually annotated 11 times for cluster BG.

Info for manual annotations of cluster DC1:

- Start number 24 was manually annotated 31 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 24 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 24 was manually annotated 52 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 24 was manually annotated 9 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 24 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 24 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 24 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster EC:

- Start number 15 was manually annotated 2 times for cluster EC.
- Start number 20 was manually annotated 45 times for cluster EC.

Info for manual annotations of cluster EG:

- Start number 33 was manually annotated 15 times for cluster EG.
- Start number 34 was manually annotated 35 times for cluster EG.

Info for manual annotations of cluster EI:

- Start number 20 was manually annotated 7 times for cluster EI.

Info for manual annotations of cluster FT:

- Start number 33 was manually annotated 1 time for cluster FT.

Info for manual annotations of cluster GC:

- Start number 19 was manually annotated 4 times for cluster GC.

Gene Information:

Gene: APunk_23 Start: 16314, Stop: 18233, Start Num: 24

Candidate Starts for APunk_23:

(Start: 24 @16314 has 110 MA's), (51, 16530), (54, 16545), (67, 16719), (93, 16866), (101, 16935), (104, 16941), (114, 16995), (118, 17019), (162, 17271), (165, 17289), (167, 17295), (175, 17358), (178, 17370), (179, 17373), (180, 17385), (198, 17475), (203, 17502), (230, 17661), (241, 17739), (258, 17835), (290, 18105), (299, 18150),

Gene: AWGoat_19 Start: 13739, Stop: 15430, Start Num: 33

Candidate Starts for AWGoat_19:

(23, 13679), (25, 13691), (27, 13694), (Start: 33 @13739 has 45 MA's), (165, 14555), (173, 14609), (179, 14639), (180, 14651), (199, 14735), (200, 14738), (201, 14741), (212, 14810), (224, 14882), (234, 14930), (252, 15047), (262, 15113), (280, 15230), (291, 15317), (293, 15323),

Gene: Abblin_21 Start: 15527, Stop: 17449, Start Num: 24

Candidate Starts for Abblin_21:

(Start: 24 @15527 has 110 MA's), (51, 15743), (54, 15758), (67, 15932), (92, 16070), (93, 16079), (101, 16148), (104, 16154), (114, 16208), (118, 16232), (162, 16484), (165, 16502), (167, 16508), (175, 16571), (178, 16583), (179, 16586), (180, 16598), (198, 16688), (203, 16715), (230, 16874), (241, 16952), (258, 17048), (262, 17084), (273, 17204), (277, 17237), (290, 17321), (299, 17366),

Gene: Abt2graduatex2_13 Start: 13868, Stop: 15571, Start Num: 33

Candidate Starts for Abt2graduatex2_13:

(Start: 33 @13868 has 45 MA's), (36, 13877), (45, 13964), (63, 14111), (65, 14135), (96, 14318), (107, 14372), (112, 14402), (117, 14432), (118, 14435), (136, 14483), (143, 14519), (150, 14564), (155, 14606), (161, 14675), (198, 14855), (211, 14933), (212, 14936), (238, 15086), (242, 15128), (252, 15188), (257, 15209), (275, 15341), (284, 15398), (288, 15419), (292, 15461), (294, 15467), (311, 15542),

Gene: Affeca_20 Start: 15348, Stop: 17258, Start Num: 24

Candidate Starts for Affeca_20:

(Start: 24 @15348 has 110 MA's), (54, 15579), (58, 15597), (83, 15867), (109, 16005), (119, 16074), (130, 16107), (165, 16332), (167, 16338), (178, 16413), (179, 16416), (180, 16428), (192, 16464), (198, 16515), (218, 16638), (223, 16674), (246, 16818), (256, 16869), (274, 17013), (275, 17016), (276, 17019), (283, 17067), (290, 17124),

Gene: Ailee_20 Start: 15256, Stop: 17172, Start Num: 24

Candidate Starts for Ailee_20:

(Start: 24 @15256 has 110 MA's), (54, 15487), (58, 15505), (83, 15781), (109, 15919), (119, 15988), (130, 16021), (165, 16246), (167, 16252), (175, 16315), (178, 16327), (179, 16330), (180, 16342), (198, 16429), (218, 16552), (223, 16588), (246, 16732), (256, 16783), (274, 16927), (275, 16930), (276, 16933), (283, 16981), (290, 17038), (313, 17155),

Gene: Ali17_19 Start: 14661, Stop: 16580, Start Num: 24

Candidate Starts for Ali17_19:

(Start: 24 @14661 has 110 MA's), (48, 14862), (64, 14985), (83, 15156), (93, 15201), (95, 15222), (109, 15279), (139, 15405), (147, 15456), (149, 15465), (154, 15516), (156, 15567), (165, 15630), (167, 15636), (175, 15699), (180, 15726), (198, 15813), (229, 15996), (240, 16071), (243, 16086), (246, 16110), (252, 16143), (256, 16161), (263, 16218), (273, 16329), (285, 16398), (286, 16410), (290, 16446), (303, 16512),

Gene: Altheas_27 Start: 14496, Stop: 16319, Start Num: 33

Candidate Starts for Altheas_27:

(Start: 33 @14496 has 45 MA's), (38, 14508), (43, 14568), (47, 14607), (115, 15129), (137, 15204), (145, 15252), (148, 15276), (150, 15282), (163, 15399), (179, 15498), (196, 15579), (213, 15672), (214, 15687), (221, 15735), (227, 15759), (233, 15792), (237, 15807), (239, 15831), (245, 15879), (254, 15921), (272, 16056), (273, 16068), (275, 16077), (285, 16137), (302, 16239),

Gene: AluminumJesus_23 Start: 13874, Stop: 15679, Start Num: 34

Candidate Starts for AluminumJesus_23:

(Start: 34 @13874 has 35 MA's), (38, 13883), (47, 13982), (81, 14288), (115, 14489), (118, 14504), (137, 14564), (145, 14612), (150, 14642), (162, 14756), (163, 14759), (164, 14765), (179, 14858), (196, 14939), (213, 15032), (214, 15047), (221, 15095), (227, 15119), (237, 15167), (239, 15191), (245, 15239), (254, 15281), (272, 15416), (273, 15428), (275, 15437), (285, 15497), (294, 15566), (302, 15599),

Gene: Angelicage_20 Start: 15771, Stop: 17681, Start Num: 24

Candidate Starts for Angelicage_20:

(Start: 24 @15771 has 110 MA's), (54, 16002), (58, 16020), (83, 16290), (109, 16428), (119, 16497), (130, 16530), (165, 16755), (167, 16761), (178, 16836), (179, 16839), (180, 16851), (192, 16887), (198, 16938), (218, 17061), (223, 17097), (246, 17241), (256, 17292), (274, 17436), (275, 17439), (276, 17442), (283, 17490), (290, 17547),

Gene: Antares_27 Start: 14003, Stop: 15859, Start Num: 20

Candidate Starts for Antares_27:

(Start: 20 @14003 has 52 MA's), (97, 14579), (106, 14624), (112, 14660), (129, 14729), (137, 14750), (138, 14753), (143, 14783), (157, 14903), (169, 14984), (191, 15098), (194, 15125), (222, 15314), (244, 15440), (263, 15554), (264, 15569), (276, 15617), (280, 15647), (282, 15659), (285, 15674), (287, 15689), (293, 15740), (297, 15758), (302, 15776),

Gene: Ariadne_35 Start: 15581, Stop: 17596, Start Num: 20

Candidate Starts for Ariadne_35:

(Start: 20 @15581 has 52 MA's), (97, 16160), (106, 16205), (112, 16241), (116, 16265), (129, 16310), (137, 16331), (141, 16349), (157, 16484), (189, 16814), (190, 16817), (194, 16874), (195, 16898), (218, 17036), (222, 17063), (243, 17174), (263, 17303), (264, 17318), (265, 17327), (273, 17354), (276, 17366), (280, 17396), (285, 17423), (297, 17507), (302, 17525),

Gene: Arri_22 Start: 12537, Stop: 14423, Start Num: 24

Candidate Starts for Arri_22:

(Start: 24 @12537 has 110 MA's), (55, 12774), (58, 12786), (60, 12840), (86, 13062), (115, 13224), (121, 13257), (167, 13509), (177, 13581), (192, 13638), (194, 13650), (211, 13767), (218, 13812), (219, 13815), (240, 13938), (242, 13950), (252, 14010), (266, 14112), (273, 14163), (275, 14172), (286, 14244), (289, 14274), (303, 14346), (308, 14370),

Gene: Ashertheman_21 Start: 14855, Stop: 16762, Start Num: 24

Candidate Starts for Ashertheman_21:

(Start: 24 @14855 has 110 MA's), (41, 14990), (54, 15086), (83, 15368), (95, 15437), (102, 15485), (109, 15509), (114, 15545), (119, 15578), (126, 15602), (149, 15695), (165, 15836), (167, 15842), (175, 15905), (178, 15917), (179, 15920), (180, 15932), (198, 16019), (218, 16142), (223, 16178), (240, 16283), (246, 16322), (256, 16373), (273, 16511), (274, 16517), (275, 16520), (283, 16571), (290, 16628), (291, 16640), (294, 16649), (314, 16748),

Gene: Asis_13 Start: 13751, Stop: 15445, Start Num: 33

Candidate Starts for Asis_13:

(Start: 33 @13751 has 45 MA's), (36, 13760), (46, 13862), (63, 13994), (65, 14018), (78, 14114), (96, 14195), (105, 14240), (107, 14249), (113, 14282), (117, 14309), (118, 14312), (136, 14360), (142, 14393), (143, 14396), (148, 14435), (150, 14441), (157, 14519), (161, 14552), (176, 14642), (195, 14717), (198, 14732), (208, 14798), (211, 14810), (212, 14813), (232, 14930), (238, 14963), (242, 15005), (260, 15122), (275, 15218), (284, 15275), (288, 15296), (292, 15338), (294, 15344), (302, 15377), (305, 15401), (311, 15419), (314, 15434),

Gene: BabyDotz_24 Start: 14116, Stop: 15948, Start Num: 34

Candidate Starts for BabyDotz_24:

(Start: 34 @14116 has 35 MA's), (38, 14125), (47, 14224), (89, 14590), (115, 14758), (118, 14773), (137, 14833), (145, 14881), (146, 14887), (150, 14911), (162, 15025), (163, 15028), (164, 15034), (179, 15127), (196, 15208), (213, 15301), (214, 15316), (221, 15364), (227, 15388), (237, 15436), (239, 15460), (245, 15508), (254, 15550), (272, 15685), (273, 15697), (275, 15706), (285, 15766), (294, 15835), (302, 15868),

Gene: BabyGotBac_13 Start: 13751, Stop: 15445, Start Num: 33

Candidate Starts for BabyGotBac_13:

(Start: 33 @13751 has 45 MA's), (36, 13760), (46, 13862), (63, 13994), (65, 14018), (78, 14114), (96, 14195), (105, 14240), (107, 14249), (113, 14282), (117, 14309), (118, 14312), (136, 14360), (142, 14393), (143, 14396), (148, 14435), (150, 14441), (157, 14519), (161, 14552), (176, 14642), (195, 14717), (198, 14732), (208, 14798), (211, 14810), (212, 14813), (232, 14930), (238, 14963), (242, 15005), (260, 15122), (275, 15218), (284, 15275), (288, 15296), (292, 15338), (294, 15344), (302, 15377), (305, 15401), (311, 15419), (314, 15434),

Gene: BaconCheese_28 Start: 15365, Stop: 17197, Start Num: 34

Candidate Starts for BaconCheese_28:

(Start: 34 @15365 has 35 MA's), (38, 15374), (47, 15473), (89, 15839), (115, 16007), (118, 16022), (137, 16082), (145, 16130), (146, 16136), (150, 16160), (162, 16274), (163, 16277), (164, 16283), (179, 16376), (196, 16457), (213, 16550), (214, 16565), (221, 16613), (227, 16637), (237, 16685), (239, 16709), (245, 16757), (254, 16799), (272, 16934), (273, 16946), (275, 16955), (285, 17015), (294, 17084), (302, 17117),

Gene: Baddon_20 Start: 15702, Stop: 17609, Start Num: 24

Candidate Starts for Baddon_20:

(Start: 24 @15702 has 110 MA's), (41, 15837), (45, 15870), (54, 15933), (83, 16215), (95, 16284), (102, 16332), (109, 16356), (119, 16425), (126, 16449), (149, 16542), (165, 16683), (167, 16689), (175, 16752), (178, 16764), (179, 16767), (180, 16779), (198, 16866), (218, 16989), (223, 17025), (230, 17058), (235, 17088), (240, 17130), (246, 17169), (256, 17220), (274, 17364), (275, 17367), (283, 17418), (290, 17475), (291, 17487), (294, 17496), (299, 17520),

Gene: Bakery_20 Start: 11735, Stop: 13636, Start Num: 24

Candidate Starts for Bakery_20:

(Start: 24 @11735 has 110 MA's), (55, 11972), (58, 11984), (60, 12038), (115, 12425), (121, 12458), (130, 12482), (149, 12563), (153, 12590), (167, 12728), (192, 12857), (194, 12869), (198, 12908), (211, 12986), (218, 13031), (219, 13034), (223, 13055), (232, 13097), (235, 13118), (240, 13160), (242, 13172), (286, 13466), (289, 13496), (293, 13520), (300, 13550),

Gene: Barb_21 Start: 12512, Stop: 14410, Start Num: 24

Candidate Starts for Barb_21:

(Start: 24 @12512 has 110 MA's), (55, 12749), (58, 12761), (60, 12815), (115, 13208), (121, 13241), (130, 13265), (167, 13505), (192, 13634), (194, 13646), (211, 13763), (218, 13808), (219, 13811), (232, 13871), (234, 13889), (240, 13934), (242, 13946), (243, 13949), (245, 13970), (262, 14069), (266, 14108), (275, 14168), (286, 14240), (289, 14270), (293, 14294), (299, 14321), (300, 14324), (304, 14351),

Gene: Barsten_21 Start: 15284, Stop: 17188, Start Num: 24

Candidate Starts for Barsten_21:

(Start: 24 @15284 has 110 MA's), (54, 15515), (58, 15533), (83, 15800), (109, 15938), (119, 16007), (130, 16040), (165, 16265), (167, 16271), (175, 16334), (178, 16346), (179, 16349), (180, 16361), (198, 16448), (218, 16571), (223, 16607), (246, 16751), (256, 16802), (274, 16946), (275, 16949), (276, 16952), (283, 17000), (290, 17057),

Gene: Baumdotcom_20 Start: 14471, Stop: 16378, Start Num: 24

Candidate Starts for Baumdotcom_20:

(Start: 24 @14471 has 110 MA's), (41, 14606), (54, 14702), (83, 14984), (95, 15053), (102, 15101), (109, 15125), (114, 15161), (119, 15194), (126, 15218), (149, 15311), (165, 15452), (167, 15458), (175, 15521), (178, 15533), (179, 15536), (180, 15548), (198, 15635), (218, 15758), (223, 15794), (240, 15899), (246, 15938), (256, 15989), (273, 16127), (274, 16133), (275, 16136), (283, 16187), (290, 16244), (291, 16256), (294, 16265),

Gene: BayC_13 Start: 13751, Stop: 15445, Start Num: 33

Candidate Starts for BayC_13:

(Start: 33 @13751 has 45 MA's), (36, 13760), (46, 13862), (63, 13994), (65, 14018), (78, 14114), (96, 14195), (105, 14240), (107, 14249), (113, 14282), (117, 14309), (118, 14312), (136, 14360), (142, 14393), (143, 14396), (148, 14435), (150, 14441), (157, 14519), (161, 14552), (176, 14642), (198, 14732), (208, 14798), (211, 14810), (212, 14813), (232, 14930), (238, 14963), (242, 15005), (260, 15122), (275, 15218), (284, 15275), (292, 15338), (294, 15344), (302, 15377), (305, 15401), (311, 15419), (314, 15434),

Gene: Beagle_27 Start: 14234, Stop: 15961, Start Num: 33

Candidate Starts for Beagle_27:

(22, 14171), (Start: 33 @14234 has 45 MA's), (122, 14843), (170, 15131), (173, 15143), (179, 15173), (199, 15269), (200, 15272), (201, 15275), (209, 15335), (239, 15497), (248, 15557), (249, 15563), (252, 15581), (262, 15644), (278, 15755), (293, 15854),

Gene: BeagleBug_26 Start: 13781, Stop: 15640, Start Num: 20

Candidate Starts for BeagleBug_26:

(Start: 20 @13781 has 52 MA's), (97, 14360), (106, 14405), (112, 14441), (129, 14510), (137, 14531), (138, 14534), (143, 14564), (157, 14684), (169, 14765), (191, 14879), (194, 14906), (222, 15095), (244, 15221), (263, 15335), (264, 15350), (276, 15398), (280, 15428), (282, 15440), (285, 15455), (287, 15470), (293, 15521), (297, 15539), (302, 15557),

Gene: Belphegor_18 Start: 13765, Stop: 15693, Start Num: 24

Candidate Starts for Belphegor_18:

(Start: 24 @13765 has 110 MA's), (48, 13969), (56, 14008), (64, 14092), (84, 14272), (109, 14392), (126, 14485), (147, 14569), (149, 14578), (154, 14629), (156, 14680), (165, 14743), (167, 14749), (175, 14812), (180, 14839), (198, 14926), (240, 15184), (243, 15199), (246, 15223), (256, 15274), (263, 15331), (271, 15427), (273, 15442), (285, 15511), (286, 15523), (290, 15559), (301, 15610),

Gene: BetaFish_26 Start: 14437, Stop: 16164, Start Num: 33

Candidate Starts for BetaFish_26:

(22, 14374), (Start: 33 @14437 has 45 MA's), (122, 15046), (170, 15334), (173, 15346), (179, 15376), (199, 15472), (200, 15475), (201, 15478), (209, 15538), (239, 15700), (248, 15760), (249, 15766), (252, 15784), (262, 15847), (278, 15958), (293, 16057),

Gene: Bibwit_21 Start: 15528, Stop: 17423, Start Num: 24

Candidate Starts for Bibwit_21:

(Start: 24 @15528 has 110 MA's), (54, 15759), (58, 15777), (83, 16032), (109, 16170), (119, 16239), (130, 16272), (165, 16497), (167, 16503), (175, 16566), (178, 16578), (179, 16581), (180, 16593), (198, 16680), (218, 16803), (223, 16839), (246, 16983), (256, 17034), (274, 17178), (275, 17181), (276, 17184), (283, 17232), (290, 17289), (313, 17406),

Gene: BigHunkinEater_23 Start: 14639, Stop: 16555, Start Num: 24

Candidate Starts for BigHunkinEater_23:

(Start: 24 @14639 has 110 MA's), (51, 14855), (54, 14870), (67, 15044), (93, 15191), (101, 15257), (104, 15263), (114, 15317), (118, 15341), (123, 15365), (162, 15593), (165, 15611), (167, 15617), (175, 15680), (178, 15692), (179, 15695), (180, 15707), (198, 15797), (203, 15824), (230, 15983), (241, 16061), (258, 16157), (290, 16427), (293, 16445), (300, 16475),

Gene: BirdInFrench_24 Start: 12993, Stop: 14771, Start Num: 33

Candidate Starts for BirdInFrench_24:

(Start: 33 @12993 has 45 MA's), (38, 13005), (69, 13350), (94, 13464), (115, 13590), (137, 13656), (145, 13704), (150, 13734), (179, 13947), (196, 14028), (198, 14037), (211, 14115), (213, 14121), (214, 14136), (239, 14280), (244, 14322), (254, 14373), (273, 14520), (275, 14529), (298, 14679), (302, 14691), (312, 14751),

Gene: Bizzy_21 Start: 14750, Stop: 16663, Start Num: 24

Candidate Starts for Bizzy_21:

(Start: 24 @14750 has 110 MA's), (41, 14885), (54, 14981), (83, 15269), (95, 15338), (102, 15386), (109, 15410), (114, 15446), (119, 15479), (126, 15503), (149, 15596), (165, 15737), (167, 15743), (175, 15806), (178, 15818), (179, 15821), (180, 15833), (198, 15920), (218, 16043), (223, 16079), (230, 16112), (240, 16184), (246, 16223), (256, 16274), (273, 16412), (274, 16418), (275, 16421), (283, 16472), (290, 16529), (291, 16541), (294, 16550),

Gene: Blab_23 Start: 13751, Stop: 15577, Start Num: 34

Candidate Starts for Blab_23:

(Start: 34 @13751 has 35 MA's), (38, 13760), (47, 13859), (81, 14186), (115, 14387), (118, 14402), (137, 14462), (145, 14510), (150, 14540), (162, 14654), (163, 14657), (164, 14663), (179, 14756), (196, 14837), (213, 14930), (214, 14945), (221, 14993), (227, 15017), (237, 15065), (239, 15089), (245, 15137), (254, 15179), (272, 15314), (275, 15335), (285, 15395), (294, 15464), (302, 15497),

Gene: BobBob_18 Start: 14138, Stop: 16045, Start Num: 24

Candidate Starts for BobBob_18:

(Start: 24 @14138 has 110 MA's), (54, 14369), (58, 14387), (83, 14654), (109, 14792), (119, 14861), (130, 14894), (165, 15119), (167, 15125), (175, 15188), (178, 15200), (179, 15203), (180, 15215), (198, 15302), (206, 15356), (218, 15425), (223, 15461), (246, 15605), (256, 15656), (274, 15800), (275, 15803), (276, 15806), (283, 15854), (290, 15911),

Gene: Boise_16 Start: 11444, Stop: 13249, Start Num: 33

Candidate Starts for Boise_16:

(Start: 33 @11444 has 45 MA's), (40, 11492), (49, 11582), (71, 11834), (74, 11849), (91, 11942), (108, 12053), (111, 12062), (122, 12131), (139, 12176), (146, 12218), (158, 12323), (167, 12380), (179, 12458), (198, 12548), (200, 12557), (214, 12647), (234, 12749), (252, 12866), (262, 12929), (276, 13013), (285, 13070), (286, 13082), (293, 13136),

Gene: Brandonk123_22 Start: 14830, Stop: 16737, Start Num: 24

Candidate Starts for Brandonk123_22:

(Start: 24 @14830 has 110 MA's), (54, 15061), (58, 15079), (83, 15346), (109, 15484), (119, 15553), (130, 15586), (165, 15811), (167, 15817), (175, 15880), (178, 15892), (179, 15895), (180, 15907), (198, 15994), (206, 16048), (218, 16117), (223, 16153), (246, 16297), (256, 16348), (274, 16492), (275, 16495), (276, 16498), (283, 16546), (290, 16603),

Gene: BrazzalePHS_26 Start: 13795, Stop: 15654, Start Num: 20

Candidate Starts for BrazzalePHS_26:

(Start: 20 @13795 has 52 MA's), (97, 14374), (106, 14419), (112, 14455), (129, 14524), (137, 14545), (138, 14548), (143, 14578), (157, 14698), (169, 14779), (191, 14893), (194, 14920), (222, 15109), (244, 15235), (263, 15349), (264, 15364), (276, 15412), (280, 15442), (282, 15454), (285, 15469), (287, 15484), (293, 15535), (297, 15553), (302, 15571),

Gene: BruhMoment_21 Start: 13658, Stop: 15379, Start Num: 33

Candidate Starts for BruhMoment_21:

(23, 13598), (Start: 33 @13658 has 45 MA's), (108, 14171), (122, 14249), (127, 14264), (173, 14558), (179, 14588), (199, 14684), (200, 14687), (201, 14690), (212, 14759), (234, 14879), (242, 14936), (246, 14963), (252, 14996), (269, 15116), (277, 15170), (281, 15188), (290, 15254), (293, 15272), (300, 15302),

Gene: Busephilis_26 Start: 13734, Stop: 15590, Start Num: 20

Candidate Starts for Busephilis_26:

(Start: 20 @13734 has 52 MA's), (97, 14310), (106, 14355), (112, 14391), (129, 14460), (137, 14481), (138, 14484), (143, 14514), (157, 14634), (169, 14715), (191, 14829), (194, 14856), (222, 15045), (244, 15171), (263, 15285), (264, 15300), (276, 15348), (280, 15378), (282, 15390), (285, 15405), (287, 15420), (293, 15471), (297, 15489), (302, 15507),

Gene: CandC_23 Start: 12598, Stop: 14376, Start Num: 33

Candidate Starts for CandC_23:

(Start: 33 @12598 has 45 MA's), (38, 12610), (69, 12952), (94, 13069), (115, 13195), (145, 13309), (150, 13339), (179, 13552), (196, 13633), (198, 13642), (211, 13720), (213, 13726), (214, 13741), (239, 13885), (244, 13927), (254, 13978), (273, 14125), (275, 14134), (298, 14284), (302, 14296),

Gene: Casend_26 Start: 14462, Stop: 16294, Start Num: 34

Candidate Starts for Casend_26:

(Start: 34 @14462 has 35 MA's), (38, 14471), (47, 14570), (89, 14936), (115, 15104), (118, 15119), (137, 15179), (145, 15227), (146, 15233), (150, 15257), (163, 15374), (164, 15380), (179, 15473), (196, 15554), (213, 15647), (214, 15662), (221, 15710), (227, 15734), (237, 15782), (239, 15806), (245, 15854), (254, 15896), (272, 16031), (273, 16043), (275, 16052), (285, 16112), (294, 16181), (302, 16214),

Gene: ChadMasterC_20 Start: 15249, Stop: 17144, Start Num: 24

Candidate Starts for ChadMasterC_20:

(Start: 24 @15249 has 110 MA's), (54, 15480), (58, 15498), (83, 15753), (109, 15891), (119, 15960), (130, 15993), (165, 16218), (167, 16224), (175, 16287), (178, 16299), (179, 16302), (180, 16314), (198, 16401), (218, 16524), (223, 16560), (246, 16704), (256, 16755), (274, 16899), (275, 16902), (276, 16905), (283, 16953), (290, 17010),

Gene: Charming_18 Start: 14140, Stop: 16047, Start Num: 24

Candidate Starts for Charming_18:

(Start: 24 @14140 has 110 MA's), (54, 14371), (58, 14389), (83, 14656), (109, 14794), (119, 14863), (130, 14896), (165, 15121), (167, 15127), (175, 15190), (178, 15202), (179, 15205), (180, 15217), (198, 15304), (206, 15358), (218, 15427), (223, 15463), (246, 15607), (256, 15658), (274, 15802), (275, 15805), (276, 15808), (283, 15856), (290, 15913),

Gene: CherryCola_23 Start: 12733, Stop: 14619, Start Num: 24

Candidate Starts for CherryCola_23:

(Start: 24 @12733 has 110 MA's), (55, 12970), (58, 12982), (60, 13036), (86, 13258), (115, 13420), (121, 13453), (167, 13705), (177, 13777), (192, 13834), (194, 13846), (211, 13963), (218, 14008), (219, 14011), (240, 14134), (242, 14146), (252, 14206), (273, 14359), (275, 14368), (286, 14440), (289, 14470), (303, 14542), (308, 14566),

Gene: Chickadee_20 Start: 13744, Stop: 15633, Start Num: 24

Candidate Starts for Chickadee_20:

(21, 13735), (Start: 24 @13744 has 110 MA's), (35, 13810), (54, 13978), (58, 13996), (86, 14269), (102, 14365), (146, 14557), (148, 14572), (156, 14650), (167, 14719), (175, 14782), (178, 14794), (179, 14797), (195, 14881), (198, 14896), (214, 14995), (223, 15049), (240, 15154), (256, 15244), (265, 15325), (273, 15382), (286, 15463), (290, 15499), (303, 15565),

Gene: Cinna_22 Start: 13276, Stop: 15141, Start Num: 20

Candidate Starts for Cinna_22:

(Start: 20 @13276 has 52 MA's), (66, 13630), (74, 13756), (104, 13894), (112, 13936), (134, 14017), (137, 14026), (147, 14083), (149, 14095), (165, 14227), (168, 14248), (169, 14254), (191, 14368), (204, 14467), (205, 14485), (222, 14584), (228, 14599), (236, 14641), (243, 14695), (244, 14710), (252, 14752), (256, 14767), (258, 14779), (263, 14824), (273, 14887), (277, 14920),

Gene: ClamChowder_21 Start: 12512, Stop: 14410, Start Num: 24

Candidate Starts for ClamChowder_21:

(Start: 24 @12512 has 110 MA's), (55, 12749), (58, 12761), (60, 12815), (115, 13208), (121, 13241), (130, 13265), (167, 13505), (192, 13634), (194, 13646), (211, 13763), (218, 13808), (219, 13811), (232, 13871), (234, 13889), (240, 13934), (242, 13946), (243, 13949), (245, 13970), (262, 14069), (266, 14108), (275, 14168), (286, 14240), (289, 14270), (293, 14294), (299, 14321), (300, 14324), (304, 14351),

Gene: ClearAsMud_29 Start: 14527, Stop: 16377, Start Num: 20

Candidate Starts for ClearAsMud_29:

(Start: 20 @14527 has 52 MA's), (97, 15103), (106, 15148), (112, 15184), (129, 15253), (137, 15274), (138, 15277), (143, 15307), (157, 15427), (194, 15649), (199, 15694), (222, 15838), (250, 15994), (263, 16078), (276, 16141), (280, 16171), (282, 16183), (285, 16198), (287, 16213), (293, 16264), (297, 16282),

Gene: Clown_23 Start: 14522, Stop: 16378, Start Num: 24

Candidate Starts for Clown_23:

(17, 14495), (Start: 24 @14522 has 110 MA's), (29, 14543), (39, 14624), (54, 14756), (58, 14774), (63, 14840), (111, 15146), (121, 15212), (126, 15227), (131, 15239), (167, 15479), (177, 15551), (192, 15608), (194, 15620), (198, 15659), (211, 15737), (216, 15767), (218, 15782), (240, 15908), (242, 15920), (243, 15923), (262, 16043), (263, 16052), (273, 16133), (282, 16187), (286, 16214), (299, 16295), (300, 16298),

Gene: CoveyB_21 Start: 12369, Stop: 14255, Start Num: 24

Candidate Starts for CoveyB_21:

(Start: 24 @12369 has 110 MA's), (55, 12606), (58, 12618), (60, 12672), (86, 12894), (115, 13056), (121, 13089), (167, 13341), (177, 13413), (192, 13470), (194, 13482), (211, 13599), (218, 13644), (219, 13647), (240, 13770), (242, 13782), (252, 13842), (273, 13995), (275, 14004), (286, 14076), (289, 14106), (303, 14178), (308, 14202),

Gene: Cranjis_28 Start: 13958, Stop: 15814, Start Num: 20

Candidate Starts for Cranjis_28:

(Start: 20 @13958 has 52 MA's), (97, 14534), (106, 14579), (112, 14615), (129, 14684), (137, 14705), (138, 14708), (143, 14738), (157, 14858), (169, 14939), (191, 15053), (194, 15080), (222, 15269), (244, 15395), (263, 15509), (264, 15524), (276, 15572), (280, 15602), (282, 15614), (285, 15629), (287, 15644), (293, 15695), (297, 15713), (302, 15731),

Gene: CrazyRich_26 Start: 13768, Stop: 15624, Start Num: 20

Candidate Starts for CrazyRich_26:

(Start: 20 @13768 has 52 MA's), (97, 14344), (106, 14389), (112, 14425), (129, 14494), (137, 14515), (138, 14518), (143, 14548), (157, 14668), (169, 14749), (191, 14863), (194, 14890), (222, 15079), (244, 15205), (263, 15319), (264, 15334), (276, 15382), (280, 15412), (282, 15424), (285, 15439), (287, 15454), (293, 15505), (297, 15523), (302, 15541),

Gene: Cressida_24 Start: 13311, Stop: 15185, Start Num: 20

Candidate Starts for Cressida_24:

(Start: 20 @13311 has 52 MA's), (74, 13797), (82, 13836), (104, 13935), (112, 13977), (134, 14058), (137, 14067), (147, 14124), (149, 14136), (165, 14268), (168, 14289), (169, 14295), (191, 14409), (204, 14508), (205, 14526), (222, 14625), (228, 14640), (236, 14682), (243, 14736), (244, 14751), (252, 14793), (256, 14808), (258, 14820), (263, 14865), (273, 14928), (280, 14970), (286, 15009), (287, 15012), (302, 15099),

Gene: Crisis_28 Start: 13753, Stop: 15609, Start Num: 20

Candidate Starts for Crisis_28:

(Start: 20 @13753 has 52 MA's), (97, 14329), (106, 14374), (112, 14410), (129, 14479), (137, 14500), (138, 14503), (143, 14533), (157, 14653), (169, 14734), (191, 14848), (194, 14875), (222, 15064), (244, 15190), (249, 15214), (263, 15304), (264, 15319), (276, 15367), (280, 15397), (282, 15409), (285, 15424), (287, 15439), (293, 15490), (297, 15508), (302, 15526),

Gene: Danyall_21 Start: 12369, Stop: 14255, Start Num: 24

Candidate Starts for Danyall_21:

(Start: 24 @12369 has 110 MA's), (55, 12606), (58, 12618), (60, 12672), (86, 12894), (115, 13056), (121, 13089), (167, 13341), (177, 13413), (192, 13470), (194, 13482), (211, 13599), (218, 13644),

(219, 13647), (240, 13770), (242, 13782), (252, 13842), (273, 13995), (275, 14004), (286, 14076), (289, 14106), (303, 14178), (308, 14202),

Gene: Delrey21_21 Start: 14990, Stop: 16909, Start Num: 24

Candidate Starts for Delrey21_21:

(Start: 24 @14990 has 110 MA's), (39, 15089), (51, 15206), (53, 15218), (54, 15221), (67, 15395), (88, 15509), (93, 15542), (101, 15608), (104, 15614), (114, 15668), (118, 15692), (128, 15728), (162, 15944), (165, 15962), (167, 15968), (175, 16031), (178, 16043), (179, 16046), (180, 16058), (198, 16148), (203, 16175), (230, 16334), (241, 16412), (247, 16448), (258, 16508), (263, 16553), (273, 16664), (277, 16697), (290, 16781), (293, 16799), (300, 16829),

Gene: Derg_16 Start: 14345, Stop: 16255, Start Num: 24

Candidate Starts for Derg_16:

(Start: 24 @14345 has 110 MA's), (41, 14480), (54, 14576), (83, 14861), (95, 14930), (102, 14978), (109, 15002), (114, 15038), (119, 15071), (126, 15095), (149, 15188), (165, 15329), (167, 15335), (175, 15398), (178, 15410), (179, 15413), (180, 15425), (198, 15512), (218, 15635), (223, 15671), (230, 15704), (240, 15776), (246, 15815), (256, 15866), (274, 16010), (275, 16013), (283, 16064), (290, 16121), (291, 16133), (294, 16142),

Gene: Dewdrop_60 Start: 29654, Stop: 31561, Start Num: 19

Candidate Starts for Dewdrop_60:

(1, 29438), (4, 29510), (6, 29543), (7, 29546), (Start: 19 @29654 has 4 MA's), (63, 29993), (75, 30131), (80, 30161), (100, 30269), (109, 30314), (181, 30755), (212, 30929), (217, 30959), (218, 30971), (222, 30998), (236, 31055), (239, 31082), (243, 31109), (247, 31136), (251, 31160), (258, 31202), (260, 31232), (263, 31247), (286, 31391), (300, 31475), (308, 31517),

Gene: Dxdert_21 Start: 14191, Stop: 16077, Start Num: 24

Candidate Starts for Dxdert_21:

(21, 14182), (Start: 24 @14191 has 110 MA's), (35, 14257), (54, 14425), (58, 14443), (86, 14713), (102, 14809), (148, 15016), (156, 15094), (167, 15163), (175, 15226), (178, 15238), (179, 15241), (195, 15325), (198, 15340), (214, 15439), (223, 15493), (240, 15598), (256, 15688), (265, 15769), (273, 15826), (276, 15838), (285, 15895), (286, 15907), (290, 15943), (303, 16009),

Gene: DoctorFroggo_21 Start: 14990, Stop: 16909, Start Num: 24

Candidate Starts for DoctorFroggo_21:

(Start: 24 @14990 has 110 MA's), (39, 15089), (51, 15206), (53, 15218), (54, 15221), (67, 15395), (88, 15509), (93, 15542), (101, 15608), (104, 15614), (114, 15668), (118, 15692), (128, 15728), (162, 15944), (165, 15962), (167, 15968), (175, 16031), (178, 16043), (179, 16046), (180, 16058), (198, 16148), (203, 16175), (230, 16334), (241, 16412), (247, 16448), (258, 16508), (263, 16553), (273, 16664), (277, 16697), (290, 16781), (293, 16799), (300, 16829),

Gene: DogYard_26 Start: 14304, Stop: 16031, Start Num: 33

Candidate Starts for DogYard_26:

(22, 14241), (Start: 33 @14304 has 45 MA's), (122, 14913), (170, 15201), (173, 15213), (179, 15243), (199, 15339), (200, 15342), (201, 15345), (209, 15405), (239, 15567), (248, 15627), (249, 15633), (252, 15651), (262, 15714), (278, 15825), (293, 15924),

Gene: DonaldDuck_24 Start: 13808, Stop: 15640, Start Num: 34

Candidate Starts for DonaldDuck_24:

(Start: 34 @13808 has 35 MA's), (38, 13817), (47, 13916), (89, 14282), (115, 14450), (118, 14465), (137, 14525), (145, 14573), (146, 14579), (150, 14603), (163, 14720), (164, 14726), (179, 14819), (196, 14900), (213, 14993), (214, 15008), (221, 15056), (227, 15080), (237, 15128), (239, 15152), (245, 15200), (254, 15242), (272, 15377), (273, 15389), (275, 15398), (285, 15458), (294, 15527),

(302, 15560),

Gene: EMoore_16 Start: 13023, Stop: 14942, Start Num: 24

Candidate Starts for EMoore_16:

(Start: 24 @13023 has 110 MA's), (56, 13263), (90, 13551), (147, 13818), (149, 13827), (152, 13845), (154, 13878), (165, 13992), (167, 13998), (175, 14061), (180, 14088), (198, 14175), (229, 14358), (240, 14433), (242, 14445), (246, 14472), (256, 14523), (263, 14580), (273, 14691), (285, 14760), (286, 14772), (290, 14808), (291, 14820), (293, 14826),

Gene: EarickHC_27 Start: 13679, Stop: 15535, Start Num: 20

Candidate Starts for EarickHC_27:

(Start: 20 @13679 has 52 MA's), (97, 14255), (106, 14300), (112, 14336), (129, 14405), (137, 14426), (138, 14429), (143, 14459), (157, 14579), (169, 14660), (191, 14774), (194, 14801), (222, 14990), (244, 15116), (249, 15140), (263, 15230), (264, 15245), (276, 15293), (280, 15323), (282, 15335), (285, 15350), (287, 15365), (293, 15416), (297, 15434), (302, 15452),

Gene: EdmundFerry_19 Start: 13775, Stop: 15661, Start Num: 24

Candidate Starts for EdmundFerry_19:

(21, 13766), (Start: 24 @13775 has 110 MA's), (35, 13841), (54, 14009), (58, 14027), (86, 14297), (102, 14393), (148, 14600), (156, 14678), (167, 14747), (175, 14810), (178, 14822), (179, 14825), (195, 14909), (198, 14924), (214, 15023), (223, 15077), (240, 15182), (256, 15272), (265, 15353), (273, 15410), (276, 15422), (285, 15479), (286, 15491), (290, 15527), (303, 15593),

Gene: Egi03_19 Start: 11979, Stop: 13871, Start Num: 24

Candidate Starts for Egi03_19:

(Start: 24 @11979 has 110 MA's), (55, 12216), (58, 12228), (60, 12282), (86, 12507), (115, 12669), (121, 12702), (131, 12729), (192, 13095), (194, 13107), (211, 13224), (218, 13269), (219, 13272), (232, 13332), (234, 13350), (240, 13395), (242, 13407), (243, 13410), (262, 13530), (266, 13569), (275, 13629), (286, 13701), (289, 13731), (293, 13755), (299, 13782), (300, 13785), (304, 13812),

Gene: Evamon_19 Start: 11844, Stop: 13742, Start Num: 24

Candidate Starts for Evamon_19:

(Start: 24 @11844 has 110 MA's), (55, 12081), (58, 12093), (60, 12147), (86, 12378), (115, 12540), (121, 12573), (167, 12837), (192, 12966), (194, 12978), (211, 13095), (218, 13140), (219, 13143), (232, 13203), (234, 13221), (238, 13236), (240, 13266), (242, 13278), (243, 13281), (262, 13401), (266, 13440), (275, 13500), (286, 13572), (289, 13602), (293, 13626), (299, 13653), (300, 13656), (304, 13683),

Gene: EverythinBagel_24 Start: 14211, Stop: 16028, Start Num: 34

Candidate Starts for EverythinBagel_24:

(Start: 34 @14211 has 35 MA's), (38, 14220), (47, 14319), (81, 14637), (115, 14838), (118, 14853), (137, 14913), (145, 14961), (150, 14991), (162, 15105), (163, 15108), (164, 15114), (171, 15168), (179, 15207), (196, 15288), (213, 15381), (214, 15396), (221, 15444), (227, 15468), (237, 15516), (239, 15540), (245, 15588), (254, 15630), (272, 15765), (275, 15786), (282, 15831), (285, 15846), (294, 15915), (302, 15948),

Gene: Fireball_20 Start: 11982, Stop: 13874, Start Num: 24

Candidate Starts for Fireball_20:

(Start: 24 @11982 has 110 MA's), (55, 12219), (58, 12231), (60, 12285), (86, 12510), (115, 12672), (121, 12705), (131, 12732), (192, 13098), (194, 13110), (211, 13227), (218, 13272), (219, 13275), (232, 13335), (234, 13353), (240, 13398), (242, 13410), (243, 13413), (262, 13533), (266, 13572), (275, 13632), (286, 13704), (289, 13734), (293, 13758), (299, 13785), (300, 13788), (304, 13815),

Gene: Fireman_27 Start: 13483, Stop: 15504, Start Num: 20

Candidate Starts for Fireman_27:

(Start: 20 @13483 has 52 MA's), (97, 14068), (112, 14149), (116, 14173), (129, 14218), (137, 14239), (157, 14392), (187, 14650), (189, 14722), (194, 14782), (195, 14806), (218, 14944), (221, 14968), (222, 14971), (243, 15082), (263, 15211), (264, 15226), (265, 15235), (273, 15262), (276, 15274), (280, 15304), (285, 15331), (302, 15433),

Gene: Fitzgerald_18 Start: 14566, Stop: 16473, Start Num: 24

Candidate Starts for Fitzgerald_18:

(Start: 24 @14566 has 110 MA's), (54, 14797), (58, 14815), (83, 15082), (109, 15220), (119, 15289), (130, 15322), (165, 15547), (167, 15553), (175, 15616), (178, 15628), (179, 15631), (180, 15643), (198, 15730), (218, 15853), (223, 15889), (246, 16033), (256, 16084), (274, 16228), (275, 16231), (276, 16234), (283, 16282), (290, 16339),

Gene: Fizzles_25 Start: 13768, Stop: 15600, Start Num: 34

Candidate Starts for Fizzles_25:

(Start: 34 @13768 has 35 MA's), (37, 13774), (38, 13777), (52, 13915), (115, 14410), (124, 14449), (132, 14470), (145, 14533), (148, 14557), (150, 14563), (163, 14680), (179, 14779), (193, 14821), (196, 14860), (213, 14953), (214, 14968), (221, 15016), (226, 15031), (237, 15088), (239, 15112), (245, 15160), (252, 15196), (256, 15211), (272, 15337), (273, 15349), (275, 15358), (302, 15520),

Gene: Flatwoods_21 Start: 14757, Stop: 16682, Start Num: 24

Candidate Starts for Flatwoods_21:

(Start: 24 @14757 has 110 MA's), (41, 14892), (54, 14988), (83, 15288), (95, 15357), (102, 15405), (109, 15429), (114, 15465), (119, 15498), (126, 15522), (149, 15615), (165, 15756), (167, 15762), (175, 15825), (178, 15837), (179, 15840), (180, 15852), (198, 15939), (218, 16062), (223, 16098), (230, 16131), (240, 16203), (246, 16242), (256, 16293), (273, 16431), (274, 16437), (275, 16440), (283, 16491), (290, 16548), (291, 16560), (294, 16569),

Gene: Forrestell_23 Start: 12942, Stop: 14669, Start Num: 33

Candidate Starts for Forrestell_23:

(22, 12879), (Start: 33 @12942 has 45 MA's), (122, 13551), (162, 13779), (170, 13839), (173, 13851), (179, 13881), (199, 13977), (200, 13980), (201, 13983), (209, 14043), (239, 14205), (246, 14256), (248, 14265), (252, 14289), (262, 14352), (273, 14427), (274, 14433), (276, 14439), (277, 14460), (293, 14562),

Gene: Fosterous_18 Start: 15029, Stop: 16936, Start Num: 24

Candidate Starts for Fosterous_18:

(Start: 24 @15029 has 110 MA's), (54, 15260), (58, 15278), (83, 15545), (109, 15683), (119, 15752), (130, 15785), (165, 16010), (167, 16016), (175, 16079), (178, 16091), (179, 16094), (180, 16106), (198, 16193), (206, 16247), (218, 16316), (223, 16352), (246, 16496), (256, 16547), (274, 16691), (275, 16694), (276, 16697), (283, 16745), (290, 16802),

Gene: FrankDeliGuy_22 Start: 13770, Stop: 15602, Start Num: 34

Candidate Starts for FrankDeliGuy_22:

(Start: 34 @13770 has 35 MA's), (38, 13779), (47, 13878), (89, 14244), (115, 14412), (118, 14427), (137, 14487), (145, 14535), (146, 14541), (150, 14565), (162, 14679), (163, 14682), (164, 14688), (179, 14781), (196, 14862), (213, 14955), (214, 14970), (221, 15018), (227, 15042), (237, 15090), (239, 15114), (245, 15162), (254, 15204), (272, 15339), (275, 15360), (285, 15420), (294, 15489), (302, 15522),

Gene: Fransoyer_27 Start: 13833, Stop: 15662, Start Num: 33

Candidate Starts for Fransoyer_27:

(Start: 33 @13833 has 45 MA's), (38, 13845), (50, 13974), (69, 14202), (72, 14220), (100, 14379), (115, 14463), (137, 14541), (145, 14589), (150, 14619), (162, 14733), (179, 14835), (193, 14877), (196, 14916), (198, 14925), (213, 15009), (214, 15024), (237, 15144), (239, 15168), (244, 15210), (245, 15216), (254, 15258), (272, 15393), (275, 15414), (277, 15438), (281, 15456), (285, 15474), (302, 15576),

Gene: Fregley_25 Start: 13171, Stop: 14949, Start Num: 33

Candidate Starts for Fregley_25:

(Start: 33 @13171 has 45 MA's), (38, 13183), (69, 13525), (94, 13642), (115, 13768), (145, 13882), (150, 13912), (179, 14125), (196, 14206), (198, 14215), (211, 14293), (213, 14299), (214, 14314), (239, 14458), (244, 14500), (254, 14551), (273, 14698), (275, 14707), (298, 14857), (302, 14869),

Gene: FuegoCuervo_23 Start: 14318, Stop: 16225, Start Num: 24

Candidate Starts for FuegoCuervo_23:

(Start: 24 @14318 has 110 MA's), (54, 14549), (58, 14567), (83, 14834), (109, 14972), (119, 15041), (130, 15074), (165, 15299), (167, 15305), (175, 15368), (178, 15380), (179, 15383), (180, 15395), (198, 15482), (218, 15605), (223, 15641), (246, 15785), (256, 15836), (274, 15980), (275, 15983), (276, 15986), (283, 16034), (290, 16091),

Gene: Fugax_21 Start: 12512, Stop: 14410, Start Num: 24

Candidate Starts for Fugax_21:

(Start: 24 @12512 has 110 MA's), (55, 12749), (58, 12761), (60, 12815), (115, 13208), (121, 13241), (130, 13265), (167, 13505), (192, 13634), (194, 13646), (211, 13763), (218, 13808), (219, 13811), (232, 13871), (234, 13889), (240, 13934), (242, 13946), (243, 13949), (245, 13970), (262, 14069), (266, 14108), (275, 14168), (286, 14240), (289, 14270), (293, 14294), (299, 14321), (300, 14324), (304, 14351),

Gene: FuzzBuster_31 Start: 13864, Stop: 15825, Start Num: 8

Candidate Starts for FuzzBuster_31:

(Start: 8 @13864 has 1 MA's), (12, 13891), (Start: 20 @13975 has 52 MA's), (30, 14026), (63, 14296), (100, 14533), (144, 14728), (156, 14842), (197, 15121), (202, 15148), (205, 15175), (210, 15199), (214, 15223), (218, 15247), (219, 15250), (220, 15268), (232, 15307), (243, 15385), (283, 15637), (286, 15658), (304, 15769), (306, 15778),

Gene: GTE6_20 Start: 14261, Stop: 16150, Start Num: 24

Candidate Starts for GTE6_20:

(21, 14252), (Start: 24 @14261 has 110 MA's), (35, 14327), (54, 14495), (58, 14513), (86, 14786), (102, 14882), (148, 15089), (156, 15167), (167, 15236), (175, 15299), (178, 15311), (179, 15314), (195, 15398), (198, 15413), (214, 15512), (223, 15566), (240, 15671), (256, 15761), (265, 15842), (273, 15899), (277, 15932), (286, 15980), (290, 16016), (303, 16082),

Gene: Gaea_20 Start: 14451, Stop: 16370, Start Num: 24

Candidate Starts for Gaea_20:

(Start: 24 @14451 has 110 MA's), (41, 14586), (54, 14682), (83, 14976), (95, 15045), (102, 15093), (109, 15117), (114, 15153), (119, 15186), (126, 15210), (149, 15303), (165, 15444), (167, 15450), (175, 15513), (178, 15525), (179, 15528), (180, 15540), (198, 15627), (218, 15750), (223, 15786), (230, 15819), (240, 15891), (246, 15930), (256, 15981), (273, 16119), (274, 16125), (275, 16128), (283, 16179), (290, 16236), (291, 16248), (294, 16257),

Gene: Galadriel_22 Start: 14888, Stop: 16786, Start Num: 24

Candidate Starts for Galadriel_22:

(Start: 24 @14888 has 110 MA's), (54, 15119), (58, 15137), (83, 15395), (109, 15533), (119, 15602), (130, 15635), (165, 15860), (167, 15866), (175, 15929), (178, 15941), (179, 15944), (180, 15956),

(198, 16043), (218, 16166), (223, 16202), (246, 16346), (256, 16397), (274, 16541), (275, 16544),
(276, 16547), (283, 16595), (290, 16652),

Gene: Ganandorf_26 Start: 13815, Stop: 15671, Start Num: 20

Candidate Starts for Ganandorf_26:

(Start: 20 @13815 has 52 MA's), (97, 14391), (106, 14436), (112, 14472), (129, 14541), (137, 14562),
(138, 14565), (143, 14595), (157, 14715), (169, 14796), (191, 14910), (194, 14937), (222, 15126),
(244, 15252), (263, 15366), (264, 15381), (276, 15429), (280, 15459), (282, 15471), (285, 15486),
(287, 15501), (293, 15552), (297, 15570), (302, 15588),

Gene: Gazebo_24 Start: 14317, Stop: 16143, Start Num: 34

Candidate Starts for Gazebo_24:

(Start: 34 @14317 has 35 MA's), (38, 14326), (47, 14425), (81, 14752), (115, 14953), (118, 14968),
(137, 15028), (145, 15076), (150, 15106), (163, 15223), (164, 15229), (179, 15322), (196, 15403),
(213, 15496), (214, 15511), (221, 15559), (227, 15583), (237, 15631), (239, 15655), (245, 15703),
(254, 15745), (272, 15880), (275, 15901), (285, 15961), (294, 16030), (302, 16063),

Gene: Geodirt_19 Start: 15093, Stop: 17003, Start Num: 24

Candidate Starts for Geodirt_19:

(Start: 24 @15093 has 110 MA's), (54, 15324), (58, 15342), (83, 15612), (109, 15750), (119, 15819),
(130, 15852), (165, 16077), (167, 16083), (175, 16146), (178, 16158), (179, 16161), (180, 16173),
(198, 16260), (206, 16314), (218, 16383), (223, 16419), (246, 16563), (256, 16614), (274, 16758),
(275, 16761), (276, 16764), (283, 16812), (290, 16869),

Gene: Gezellig_19 Start: 11982, Stop: 13874, Start Num: 24

Candidate Starts for Gezellig_19:

(Start: 24 @11982 has 110 MA's), (55, 12219), (58, 12231), (60, 12285), (86, 12510), (115, 12672),
(121, 12705), (131, 12732), (192, 13098), (194, 13110), (211, 13227), (218, 13272), (219, 13275),
(232, 13335), (234, 13353), (240, 13398), (242, 13410), (243, 13413), (262, 13533), (266, 13572),
(275, 13632), (286, 13704), (289, 13734), (293, 13758), (299, 13785), (300, 13788), (304, 13815),

Gene: Gina_28 Start: 13149, Stop: 15167, Start Num: 20

Candidate Starts for Gina_28:

(Start: 20 @13149 has 52 MA's), (73, 13617), (97, 13731), (104, 13770), (112, 13812), (116, 13836),
(129, 13881), (137, 13902), (138, 13905), (141, 13920), (148, 13974), (157, 14055), (167, 14115),
(183, 14259), (185, 14277), (194, 14445), (195, 14469), (218, 14607), (222, 14634), (243, 14745),
(263, 14874), (264, 14889), (273, 14925), (276, 14937), (280, 14967), (285, 14994), (302, 15096),

Gene: Glorp_28 Start: 13816, Stop: 15672, Start Num: 20

Candidate Starts for Glorp_28:

(Start: 20 @13816 has 52 MA's), (97, 14392), (106, 14437), (112, 14473), (129, 14542), (137, 14563),
(138, 14566), (143, 14596), (157, 14716), (169, 14797), (191, 14911), (194, 14938), (222, 15127),
(263, 15367), (264, 15382), (276, 15430), (280, 15460), (282, 15472), (285, 15487), (287, 15502),
(293, 15553), (297, 15571), (302, 15589),

Gene: Grassboy_26 Start: 14484, Stop: 16316, Start Num: 34

Candidate Starts for Grassboy_26:

(Start: 34 @14484 has 35 MA's), (38, 14493), (47, 14592), (81, 14925), (115, 15126), (118, 15141),
(137, 15201), (145, 15249), (150, 15279), (163, 15396), (164, 15402), (179, 15495), (196, 15576),
(213, 15669), (214, 15684), (221, 15732), (227, 15756), (237, 15804), (239, 15828), (245, 15876),
(254, 15918), (272, 16053), (275, 16074), (282, 16119), (285, 16134), (294, 16203), (302, 16236),

Gene: Gustavo_20 Start: 14562, Stop: 16469, Start Num: 24

Candidate Starts for Gustavo_20:

(Start: 24 @14562 has 110 MA's), (41, 14697), (54, 14793), (83, 15075), (95, 15144), (102, 15192), (109, 15216), (114, 15252), (119, 15285), (126, 15309), (149, 15402), (165, 15543), (167, 15549), (175, 15612), (178, 15624), (179, 15627), (180, 15639), (198, 15726), (218, 15849), (223, 15885), (240, 15990), (246, 16029), (256, 16080), (273, 16218), (274, 16224), (275, 16227), (283, 16278), (290, 16335), (291, 16347), (294, 16356),

Gene: Halo3_20 Start: 12297, Stop: 14195, Start Num: 24

Candidate Starts for Halo3_20:

(Start: 24 @12297 has 110 MA's), (55, 12534), (58, 12546), (60, 12600), (115, 12993), (121, 13026), (167, 13290), (192, 13419), (194, 13431), (197, 13467), (211, 13548), (218, 13593), (219, 13596), (232, 13656), (240, 13719), (242, 13731), (243, 13734), (266, 13893), (275, 13953), (286, 14025), (289, 14055), (293, 14079), (299, 14106), (300, 14109),

Gene: Hans_23 Start: 15322, Stop: 17238, Start Num: 24

Candidate Starts for Hans_23:

(Start: 24 @15322 has 110 MA's), (48, 15523), (64, 15646), (83, 15814), (95, 15880), (109, 15937), (147, 16114), (149, 16123), (154, 16174), (156, 16225), (165, 16288), (167, 16294), (175, 16357), (180, 16384), (198, 16471), (203, 16498), (229, 16654), (240, 16729), (243, 16744), (246, 16768), (252, 16801), (256, 16819), (263, 16876), (273, 16987), (285, 17056), (286, 17068), (290, 17104), (303, 17170),

Gene: Hendrix_57 Start: 29698, Stop: 31632, Start Num: 19

Candidate Starts for Hendrix_57:

(Start: 19 @29698 has 4 MA's), (51, 29935), (80, 30232), (100, 30343), (138, 30505), (155, 30619), (217, 31033), (218, 31045), (222, 31072), (236, 31129), (239, 31156), (243, 31183), (244, 31198), (256, 31264), (308, 31591),

Gene: Hermeonysus_26 Start: 13684, Stop: 15543, Start Num: 20

Candidate Starts for Hermeonysus_26:

(Start: 20 @13684 has 52 MA's), (97, 14263), (106, 14308), (112, 14344), (129, 14413), (137, 14434), (138, 14437), (143, 14467), (157, 14587), (169, 14668), (191, 14782), (194, 14809), (222, 14998), (244, 15124), (263, 15238), (264, 15253), (276, 15301), (280, 15331), (282, 15343), (285, 15358), (287, 15373), (293, 15424), (297, 15442), (302, 15460),

Gene: Hive_26 Start: 14318, Stop: 16045, Start Num: 33

Candidate Starts for Hive_26:

(22, 14255), (Start: 33 @14318 has 45 MA's), (122, 14927), (170, 15215), (173, 15227), (179, 15257), (199, 15353), (200, 15356), (201, 15359), (209, 15419), (239, 15581), (248, 15641), (249, 15647), (252, 15665), (262, 15728), (278, 15839), (293, 15938),

Gene: Honeyfin_28 Start: 14000, Stop: 15859, Start Num: 20

Candidate Starts for Honeyfin_28:

(Start: 20 @14000 has 52 MA's), (97, 14579), (106, 14624), (112, 14660), (129, 14729), (137, 14750), (138, 14753), (143, 14783), (157, 14903), (169, 14984), (191, 15098), (194, 15125), (222, 15314), (244, 15440), (263, 15554), (264, 15569), (276, 15617), (280, 15647), (282, 15659), (285, 15674), (287, 15689), (293, 15740), (297, 15758), (302, 15776),

Gene: Hyperion_24 Start: 14277, Stop: 16103, Start Num: 34

Candidate Starts for Hyperion_24:

(Start: 34 @14277 has 35 MA's), (38, 14286), (47, 14385), (81, 14712), (115, 14913), (118, 14928), (137, 14988), (145, 15036), (150, 15066), (163, 15183), (164, 15189), (179, 15282), (196, 15363), (213, 15456), (214, 15471), (221, 15519), (227, 15543), (237, 15591), (239, 15615), (245, 15663),

(254, 15705), (272, 15840), (275, 15861), (285, 15921), (294, 15990), (302, 16023),

Gene: Inspectinfecti_22 Start: 15744, Stop: 17663, Start Num: 24

Candidate Starts for Inspectinfecti_22:

(Start: 24 @15744 has 110 MA's), (48, 15945), (64, 16068), (83, 16239), (93, 16284), (95, 16305), (109, 16362), (147, 16539), (149, 16548), (154, 16599), (156, 16650), (165, 16713), (167, 16719), (175, 16782), (180, 16809), (198, 16896), (203, 16923), (210, 16971), (229, 17079), (240, 17154), (243, 17169), (246, 17193), (252, 17226), (256, 17244), (263, 17301), (273, 17412), (285, 17481), (286, 17493), (290, 17529), (303, 17595),

Gene: JKSyngboy_19 Start: 15221, Stop: 17128, Start Num: 24

Candidate Starts for JKSyngboy_19:

(Start: 24 @15221 has 110 MA's), (41, 15356), (45, 15389), (54, 15452), (83, 15734), (95, 15803), (102, 15851), (109, 15875), (119, 15944), (126, 15968), (149, 16061), (165, 16202), (167, 16208), (175, 16271), (178, 16283), (179, 16286), (180, 16298), (198, 16385), (218, 16508), (223, 16544), (230, 16577), (240, 16649), (246, 16688), (256, 16739), (274, 16883), (275, 16886), (283, 16937), (290, 16994), (291, 17006), (294, 17015),

Gene: Jabberwocky_18 Start: 15000, Stop: 16907, Start Num: 24

Candidate Starts for Jabberwocky_18:

(Start: 24 @15000 has 110 MA's), (54, 15231), (58, 15249), (83, 15516), (109, 15654), (119, 15723), (130, 15756), (165, 15981), (167, 15987), (175, 16050), (178, 16062), (179, 16065), (180, 16077), (198, 16164), (206, 16218), (218, 16287), (223, 16323), (246, 16467), (256, 16518), (274, 16662), (275, 16665), (276, 16668), (283, 16716), (290, 16773),

Gene: Jambalaya_19 Start: 11635, Stop: 13521, Start Num: 24

Candidate Starts for Jambalaya_19:

(Start: 24 @11635 has 110 MA's), (55, 11872), (58, 11884), (60, 11938), (115, 12319), (121, 12352), (131, 12379), (192, 12745), (194, 12757), (211, 12874), (218, 12919), (219, 12922), (232, 12982), (234, 13000), (240, 13045), (242, 13057), (243, 13060), (262, 13180), (266, 13219), (275, 13279), (286, 13351), (289, 13381), (293, 13405), (299, 13432), (300, 13435), (304, 13462),

Gene: Jayden_28 Start: 13519, Stop: 15375, Start Num: 20

Candidate Starts for Jayden_28:

(Start: 20 @13519 has 52 MA's), (47, 13699), (97, 14092), (104, 14131), (106, 14137), (112, 14173), (129, 14242), (137, 14263), (138, 14266), (157, 14416), (194, 14638), (195, 14662), (218, 14800), (222, 14827), (243, 14938), (244, 14953), (263, 15067), (264, 15082), (265, 15091), (273, 15118), (276, 15130), (279, 15157), (280, 15160), (287, 15202),

Gene: Jefe_27 Start: 13737, Stop: 15596, Start Num: 20

Candidate Starts for Jefe_27:

(Start: 20 @13737 has 52 MA's), (97, 14316), (106, 14361), (112, 14397), (129, 14466), (137, 14487), (138, 14490), (143, 14520), (157, 14640), (169, 14721), (191, 14835), (194, 14862), (222, 15051), (244, 15177), (263, 15291), (264, 15306), (276, 15354), (280, 15384), (282, 15396), (285, 15411), (287, 15426), (293, 15477), (297, 15495), (302, 15513),

Gene: Jehoshaphat_27 Start: 14727, Stop: 16559, Start Num: 34

Candidate Starts for Jehoshaphat_27:

(Start: 34 @14727 has 35 MA's), (38, 14736), (47, 14835), (89, 15201), (115, 15369), (118, 15384), (137, 15444), (145, 15492), (146, 15498), (150, 15522), (163, 15639), (164, 15645), (179, 15738), (196, 15819), (213, 15912), (214, 15927), (221, 15975), (227, 15999), (237, 16047), (239, 16071), (245, 16119), (254, 16161), (272, 16296), (273, 16308), (275, 16317), (285, 16377), (294, 16446), (302, 16479),

Gene: Jollipop_27 Start: 14085, Stop: 15941, Start Num: 20

Candidate Starts for Jollipop_27:

(Start: 20 @14085 has 52 MA's), (97, 14661), (106, 14706), (112, 14742), (129, 14811), (137, 14832), (138, 14835), (143, 14865), (157, 14985), (169, 15066), (191, 15180), (194, 15207), (222, 15396), (244, 15522), (263, 15636), (264, 15651), (276, 15699), (280, 15729), (282, 15741), (285, 15756), (287, 15771), (293, 15822), (297, 15840), (302, 15858),

Gene: Judebell_27 Start: 14268, Stop: 16100, Start Num: 34

Candidate Starts for Judebell_27:

(Start: 34 @14268 has 35 MA's), (38, 14277), (47, 14376), (89, 14742), (115, 14910), (118, 14925), (137, 14985), (145, 15033), (146, 15039), (150, 15063), (162, 15177), (163, 15180), (164, 15186), (179, 15279), (196, 15360), (213, 15453), (214, 15468), (221, 15516), (227, 15540), (237, 15588), (239, 15612), (245, 15660), (254, 15702), (272, 15837), (275, 15858), (285, 15918), (294, 15987), (302, 16020),

Gene: KaiHaiDragon_27 Start: 13679, Stop: 15535, Start Num: 20

Candidate Starts for KaiHaiDragon_27:

(Start: 20 @13679 has 52 MA's), (97, 14255), (106, 14300), (112, 14336), (129, 14405), (137, 14426), (138, 14429), (143, 14459), (157, 14579), (169, 14660), (191, 14774), (194, 14801), (222, 14990), (244, 15116), (249, 15140), (263, 15230), (264, 15245), (276, 15293), (280, 15323), (282, 15335), (285, 15350), (287, 15365), (293, 15416), (297, 15434), (302, 15452),

Gene: Kamashten_21 Start: 15684, Stop: 17591, Start Num: 24

Candidate Starts for Kamashten_21:

(Start: 24 @15684 has 110 MA's), (54, 15915), (58, 15933), (83, 16200), (109, 16338), (119, 16407), (130, 16440), (165, 16665), (167, 16671), (175, 16734), (178, 16746), (179, 16749), (180, 16761), (198, 16848), (206, 16902), (218, 16971), (223, 17007), (246, 17151), (256, 17202), (274, 17346), (275, 17349), (276, 17352), (283, 17400), (290, 17457),

Gene: Keitabear_22 Start: 17233, Stop: 19128, Start Num: 24

Candidate Starts for Keitabear_22:

(Start: 24 @17233 has 110 MA's), (54, 17464), (58, 17482), (83, 17737), (109, 17875), (119, 17944), (130, 17977), (165, 18202), (167, 18208), (178, 18283), (179, 18286), (180, 18298), (192, 18334), (198, 18385), (218, 18508), (223, 18544), (246, 18688), (256, 18739), (274, 18883), (275, 18886), (276, 18889), (283, 18937), (290, 18994), (313, 19111),

Gene: Kelcole_23 Start: 13023, Stop: 14801, Start Num: 33

Candidate Starts for Kelcole_23:

(Start: 33 @13023 has 45 MA's), (38, 13035), (69, 13377), (94, 13494), (115, 13620), (145, 13734), (150, 13764), (179, 13977), (196, 14058), (198, 14067), (211, 14145), (213, 14151), (214, 14166), (239, 14310), (244, 14352), (254, 14403), (273, 14550), (275, 14559), (298, 14709), (302, 14721),

Gene: Kewpiedoll_21 Start: 15069, Stop: 16979, Start Num: 24

Candidate Starts for Kewpiedoll_21:

(Start: 24 @15069 has 110 MA's), (54, 15300), (58, 15318), (83, 15588), (109, 15726), (119, 15795), (130, 15828), (165, 16053), (167, 16059), (175, 16122), (178, 16134), (179, 16137), (180, 16149), (198, 16236), (218, 16359), (223, 16395), (246, 16539), (256, 16590), (274, 16734), (275, 16737), (276, 16740), (283, 16788), (290, 16845),

Gene: KillerQueen_25 Start: 12845, Stop: 14623, Start Num: 33

Candidate Starts for KillerQueen_25:

(Start: 33 @12845 has 45 MA's), (38, 12857), (69, 13199), (94, 13316), (115, 13442), (145, 13556), (150, 13586), (179, 13799), (196, 13880), (198, 13889), (211, 13967), (213, 13973), (214, 13988), (239, 14132), (244, 14174), (254, 14225), (273, 14372), (275, 14381), (298, 14531), (302, 14543),

Gene: KimmyK_21 Start: 12512, Stop: 14410, Start Num: 24

Candidate Starts for KimmyK_21:

(Start: 24 @12512 has 110 MA's), (55, 12749), (58, 12761), (60, 12815), (115, 13208), (121, 13241), (130, 13265), (167, 13505), (192, 13634), (194, 13646), (211, 13763), (218, 13808), (219, 13811), (232, 13871), (234, 13889), (240, 13934), (242, 13946), (243, 13949), (245, 13970), (262, 14069), (266, 14108), (275, 14168), (286, 14240), (289, 14270), (293, 14294), (299, 14321), (300, 14324), (304, 14351),

Gene: Kowalski_26 Start: 13795, Stop: 15651, Start Num: 20

Candidate Starts for Kowalski_26:

(Start: 20 @13795 has 52 MA's), (97, 14371), (106, 14416), (112, 14452), (129, 14521), (137, 14542), (138, 14545), (143, 14575), (157, 14695), (169, 14776), (191, 14890), (194, 14917), (222, 15106), (263, 15346), (264, 15361), (276, 15409), (280, 15439), (282, 15451), (285, 15466), (287, 15481), (293, 15532), (297, 15550), (302, 15568),

Gene: Kozie_23 Start: 13272, Stop: 15131, Start Num: 20

Candidate Starts for Kozie_23:

(Start: 20 @13272 has 52 MA's), (76, 13767), (112, 13923), (137, 14013), (167, 14220), (191, 14355), (199, 14427), (205, 14472), (218, 14544), (220, 14565), (222, 14571), (236, 14628), (243, 14682), (249, 14721), (250, 14727), (258, 14766), (261, 14799), (302, 15045),

Gene: Kroos_21 Start: 15314, Stop: 17227, Start Num: 24

Candidate Starts for Kroos_21:

(Start: 24 @15314 has 110 MA's), (41, 15449), (54, 15545), (83, 15833), (95, 15902), (102, 15950), (109, 15974), (114, 16010), (119, 16043), (126, 16067), (149, 16160), (165, 16301), (167, 16307), (175, 16370), (178, 16382), (179, 16385), (180, 16397), (198, 16484), (218, 16607), (223, 16643), (230, 16676), (240, 16748), (246, 16787), (256, 16838), (273, 16976), (274, 16982), (275, 16985), (283, 17036), (290, 17093), (291, 17105), (294, 17114),

Gene: Kubulix_27 Start: 14427, Stop: 16154, Start Num: 33

Candidate Starts for Kubulix_27:

(22, 14364), (Start: 33 @14427 has 45 MA's), (122, 15036), (170, 15324), (173, 15336), (179, 15366), (199, 15462), (200, 15465), (201, 15468), (209, 15528), (239, 15690), (248, 15750), (249, 15756), (252, 15774), (262, 15837), (278, 15948), (293, 16047),

Gene: Kwekel_20 Start: 13711, Stop: 15594, Start Num: 24

Candidate Starts for Kwekel_20:

(21, 13702), (Start: 24 @13711 has 110 MA's), (54, 13945), (58, 13963), (86, 14233), (102, 14329), (148, 14536), (156, 14614), (165, 14677), (167, 14683), (175, 14746), (178, 14758), (179, 14761), (195, 14845), (198, 14860), (223, 15013), (240, 15118), (256, 15208), (265, 15289), (273, 15346), (285, 15415), (286, 15427), (290, 15463), (303, 15529),

Gene: Kwobi_22 Start: 15290, Stop: 17209, Start Num: 24

Candidate Starts for Kwobi_22:

(Start: 24 @15290 has 110 MA's), (41, 15425), (54, 15521), (83, 15815), (95, 15884), (102, 15932), (109, 15956), (114, 15992), (119, 16025), (126, 16049), (149, 16142), (165, 16283), (167, 16289), (175, 16352), (178, 16364), (179, 16367), (180, 16379), (198, 16466), (218, 16589), (223, 16625), (230, 16658), (240, 16730), (246, 16769), (256, 16820), (273, 16958), (274, 16964), (275, 16967), (283, 17018), (290, 17075), (291, 17087), (294, 17096),

Gene: Kyva_27 Start: 14519, Stop: 16351, Start Num: 34

Candidate Starts for Kyva_27:

(Start: 34 @14519 has 35 MA's), (38, 14528), (47, 14627), (81, 14960), (115, 15161), (118, 15176), (137, 15236), (145, 15284), (150, 15314), (163, 15431), (164, 15437), (179, 15530), (196, 15611), (213, 15704), (214, 15719), (221, 15767), (227, 15791), (237, 15839), (239, 15863), (245, 15911), (254, 15953), (272, 16088), (275, 16109), (282, 16154), (285, 16169), (294, 16238), (302, 16271),

Gene: Leaf_60 Start: 29654, Stop: 31561, Start Num: 19

Candidate Starts for Leaf_60:

(1, 29438), (4, 29510), (6, 29543), (7, 29546), (Start: 19 @29654 has 4 MA's), (63, 29993), (75, 30131), (80, 30161), (100, 30269), (109, 30314), (181, 30755), (212, 30929), (217, 30959), (218, 30971), (222, 30998), (236, 31055), (239, 31082), (243, 31109), (247, 31136), (251, 31160), (258, 31202), (260, 31232), (263, 31247), (286, 31391), (300, 31475), (308, 31517),

Gene: Lennon_22 Start: 16336, Stop: 18231, Start Num: 24

Candidate Starts for Lennon_22:

(Start: 24 @16336 has 110 MA's), (54, 16567), (58, 16585), (83, 16840), (109, 16978), (119, 17047), (130, 17080), (165, 17305), (167, 17311), (175, 17374), (178, 17386), (179, 17389), (180, 17401), (198, 17488), (218, 17611), (223, 17647), (246, 17791), (256, 17842), (274, 17986), (275, 17989), (276, 17992), (283, 18040), (290, 18097), (313, 18214),

Gene: Leonard_21 Start: 15339, Stop: 17258, Start Num: 24

Candidate Starts for Leonard_21:

(Start: 24 @15339 has 110 MA's), (48, 15540), (64, 15663), (83, 15834), (93, 15879), (95, 15900), (109, 15957), (139, 16083), (147, 16134), (149, 16143), (154, 16194), (156, 16245), (165, 16308), (167, 16314), (175, 16377), (180, 16404), (198, 16491), (229, 16674), (240, 16749), (243, 16764), (246, 16788), (252, 16821), (256, 16839), (263, 16896), (273, 17007), (285, 17076), (286, 17088), (290, 17124), (303, 17190),

Gene: LilHam_18 Start: 13869, Stop: 15788, Start Num: 24

Candidate Starts for LilHam_18:

(Start: 24 @13869 has 110 MA's), (41, 14004), (54, 14100), (83, 14394), (95, 14463), (102, 14511), (109, 14535), (114, 14571), (119, 14604), (126, 14628), (149, 14721), (165, 14862), (167, 14868), (175, 14931), (178, 14943), (179, 14946), (180, 14958), (198, 15045), (218, 15168), (223, 15204), (230, 15237), (240, 15309), (246, 15348), (256, 15399), (274, 15543), (275, 15546), (283, 15597), (290, 15654), (291, 15666), (294, 15675),

Gene: Lilbeanie_18 Start: 10655, Stop: 12583, Start Num: 24

Candidate Starts for Lilbeanie_18:

(16, 10613), (Start: 24 @10655 has 110 MA's), (39, 10754), (51, 10871), (54, 10886), (83, 11204), (131, 11441), (143, 11489), (167, 11672), (197, 11846), (214, 11948), (218, 11972), (242, 12107), (255, 12179), (256, 12185), (268, 12287), (269, 12299), (281, 12377), (290, 12443), (293, 12461), (299, 12488),

Gene: LittleFortune_28 Start: 14042, Stop: 15901, Start Num: 20

Candidate Starts for LittleFortune_28:

(Start: 20 @14042 has 52 MA's), (97, 14621), (106, 14666), (112, 14702), (129, 14771), (137, 14792), (138, 14795), (143, 14825), (157, 14945), (169, 15026), (191, 15140), (194, 15167), (222, 15356), (244, 15482), (263, 15596), (264, 15611), (276, 15659), (280, 15689), (285, 15716), (287, 15731), (293, 15782), (297, 15800), (302, 15818),

Gene: Llemily_24 Start: 13503, Stop: 15335, Start Num: 34

Candidate Starts for Llemily_24:

(Start: 34 @13503 has 35 MA's), (38, 13512), (47, 13611), (89, 13977), (115, 14145), (118, 14160), (137, 14220), (145, 14268), (146, 14274), (150, 14298), (163, 14415), (164, 14421), (179, 14514), (196, 14595), (213, 14688), (214, 14703), (221, 14751), (227, 14775), (237, 14823), (239, 14847), (245, 14895), (254, 14937), (272, 15072), (273, 15084), (275, 15093), (285, 15153), (294, 15222), (302, 15255),

Gene: Lonelysoil_24 Start: 13748, Stop: 15580, Start Num: 34

Candidate Starts for Lonelysoil_24:

(Start: 34 @13748 has 35 MA's), (38, 13757), (47, 13856), (89, 14222), (115, 14390), (118, 14405), (137, 14465), (145, 14513), (146, 14519), (150, 14543), (163, 14660), (164, 14666), (179, 14759), (196, 14840), (213, 14933), (214, 14948), (221, 14996), (227, 15020), (237, 15068), (239, 15092), (245, 15140), (254, 15182), (272, 15317), (273, 15329), (275, 15338), (285, 15398), (294, 15467), (302, 15500),

Gene: Love_22 Start: 15199, Stop: 17106, Start Num: 24

Candidate Starts for Love_22:

(Start: 24 @15199 has 110 MA's), (54, 15430), (58, 15448), (83, 15715), (109, 15853), (119, 15922), (130, 15955), (165, 16180), (167, 16186), (175, 16249), (178, 16261), (179, 16264), (180, 16276), (198, 16363), (206, 16417), (218, 16486), (223, 16522), (246, 16666), (256, 16717), (274, 16861), (275, 16864), (276, 16867), (283, 16915), (290, 16972),

Gene: Lucretia_27 Start: 13732, Stop: 15588, Start Num: 20

Candidate Starts for Lucretia_27:

(Start: 20 @13732 has 52 MA's), (97, 14308), (106, 14353), (112, 14389), (129, 14458), (137, 14479), (138, 14482), (143, 14512), (157, 14632), (169, 14713), (191, 14827), (194, 14854), (222, 15043), (244, 15169), (263, 15283), (264, 15298), (276, 15346), (280, 15376), (282, 15388), (285, 15403), (287, 15418), (293, 15469), (297, 15487), (302, 15505),

Gene: Maih_13 Start: 13750, Stop: 15444, Start Num: 33

Candidate Starts for Maih_13:

(Start: 33 @13750 has 45 MA's), (36, 13759), (46, 13861), (63, 13993), (65, 14017), (78, 14113), (96, 14194), (105, 14239), (107, 14248), (113, 14281), (117, 14308), (118, 14311), (136, 14359), (142, 14392), (143, 14395), (148, 14434), (150, 14440), (157, 14518), (161, 14551), (176, 14641), (198, 14731), (208, 14797), (211, 14809), (212, 14812), (232, 14929), (238, 14962), (242, 15004), (260, 15121), (275, 15217), (284, 15274), (292, 15337), (294, 15343), (302, 15376), (305, 15400), (311, 15418), (314, 15433),

Gene: Marcie_29 Start: 13698, Stop: 15482, Start Num: 33

Candidate Starts for Marcie_29:

(Start: 33 @13698 has 45 MA's), (38, 13710), (69, 14058), (94, 14175), (115, 14301), (137, 14367), (145, 14415), (150, 14445), (179, 14658), (196, 14739), (198, 14748), (211, 14826), (213, 14832), (214, 14847), (239, 14991), (244, 15033), (254, 15084), (273, 15231), (275, 15240), (302, 15402),

Gene: Margaery_22 Start: 13234, Stop: 15096, Start Num: 20

Candidate Starts for Margaery_22:

(9, 13135), (Start: 20 @13234 has 52 MA's), (66, 13588), (97, 13807), (104, 13846), (112, 13888), (137, 13978), (149, 14047), (168, 14200), (191, 14320), (205, 14437), (222, 14536), (228, 14551), (236, 14593), (243, 14647), (250, 14692), (252, 14704), (256, 14719), (258, 14731), (273, 14839), (277, 14872), (287, 14923), (296, 14989),

Gene: Mashley_23 Start: 14088, Stop: 15914, Start Num: 34

Candidate Starts for Mashley_23:

(Start: 34 @14088 has 35 MA's), (38, 14097), (47, 14196), (81, 14523), (115, 14724), (118, 14739), (137, 14799), (145, 14847), (150, 14877), (163, 14994), (164, 15000), (179, 15093), (196, 15174), (213, 15267), (214, 15282), (221, 15330), (227, 15354), (237, 15402), (239, 15426), (245, 15474), (254, 15516), (272, 15651), (275, 15672), (285, 15732), (294, 15801), (302, 15834),

Gene: Matzah_23 Start: 13253, Stop: 15118, Start Num: 20

Candidate Starts for Matzah_23:

(Start: 20 @13253 has 52 MA's), (66, 13607), (74, 13733), (104, 13871), (112, 13913), (134, 13994), (137, 14003), (147, 14060), (149, 14072), (165, 14204), (168, 14225), (169, 14231), (191, 14345), (204, 14444), (205, 14462), (222, 14561), (228, 14576), (236, 14618), (243, 14672), (244, 14687), (252, 14729), (256, 14744), (258, 14756), (263, 14801), (273, 14864), (277, 14897),

Gene: McCrothy_21 Start: 15065, Stop: 16975, Start Num: 24

Candidate Starts for McCrothy_21:

(Start: 24 @15065 has 110 MA's), (54, 15296), (58, 15314), (83, 15584), (109, 15722), (119, 15791), (130, 15824), (165, 16049), (167, 16055), (175, 16118), (178, 16130), (179, 16133), (180, 16145), (198, 16232), (218, 16355), (223, 16391), (246, 16535), (256, 16586), (274, 16730), (275, 16733), (276, 16736), (283, 16784), (290, 16841),

Gene: McKinley_21 Start: 15222, Stop: 17132, Start Num: 24

Candidate Starts for McKinley_21:

(Start: 24 @15222 has 110 MA's), (54, 15453), (58, 15471), (83, 15741), (109, 15879), (119, 15948), (130, 15981), (165, 16206), (167, 16212), (175, 16275), (178, 16287), (179, 16290), (180, 16302), (198, 16389), (218, 16512), (223, 16548), (246, 16692), (256, 16743), (274, 16887), (275, 16890), (276, 16893), (283, 16941), (290, 16998),

Gene: Megan_21 Start: 14855, Stop: 16870, Start Num: 20

Candidate Starts for Megan_21:

(2, 14651), (3, 14660), (5, 14723), (7, 14741), (18, 14843), (Start: 20 @14855 has 52 MA's), (48, 15056), (97, 15434), (106, 15479), (112, 15515), (129, 15584), (137, 15605), (138, 15608), (141, 15623), (157, 15758), (159, 15773), (186, 16007), (188, 16076), (194, 16148), (218, 16310), (219, 16313), (221, 16334), (234, 16388), (243, 16448), (250, 16493), (252, 16505), (261, 16565), (263, 16577), (276, 16640), (280, 16670), (285, 16697), (299, 16790), (300, 16793), (302, 16799), (309, 16838),

Gene: MelBins_22 Start: 15543, Stop: 17459, Start Num: 24

Candidate Starts for MelBins_22:

(Start: 24 @15543 has 110 MA's), (48, 15744), (64, 15867), (83, 16035), (95, 16101), (109, 16158), (147, 16335), (149, 16344), (154, 16395), (156, 16446), (165, 16509), (167, 16515), (175, 16578), (180, 16605), (198, 16692), (229, 16875), (240, 16950), (243, 16965), (246, 16989), (252, 17022), (256, 17040), (263, 17097), (273, 17208), (285, 17277), (286, 17289), (290, 17325), (303, 17391),

Gene: MellowYellow_23 Start: 12969, Stop: 14696, Start Num: 33

Candidate Starts for MellowYellow_23:

(22, 12906), (Start: 33 @12969 has 45 MA's), (122, 13578), (162, 13806), (170, 13866), (173, 13878), (179, 13908), (199, 14004), (200, 14007), (201, 14010), (209, 14070), (239, 14232), (246, 14283), (248, 14292), (252, 14316), (262, 14379), (273, 14454), (274, 14460), (276, 14466), (277, 14487), (293, 14589),

Gene: MementoMori_23 Start: 12969, Stop: 14840, Start Num: 20

Candidate Starts for MementoMori_23:

(Start: 20 @12969 has 52 MA's), (74, 13452), (99, 13560), (104, 13590), (112, 13632), (134, 13713), (137, 13722), (147, 13779), (149, 13791), (165, 13923), (168, 13944), (169, 13950), (191, 14064),

(204, 14163), (205, 14181), (222, 14280), (228, 14295), (236, 14337), (243, 14391), (244, 14406), (252, 14448), (256, 14463), (258, 14475), (263, 14520), (273, 14583), (277, 14616), (302, 14754),

Gene: Mentos_29 Start: 15175, Stop: 17001, Start Num: 34

Candidate Starts for Mentos_29:

(Start: 34 @15175 has 35 MA's), (38, 15184), (47, 15283), (81, 15610), (115, 15811), (118, 15826), (137, 15886), (145, 15934), (150, 15964), (163, 16081), (164, 16087), (179, 16180), (196, 16261), (213, 16354), (214, 16369), (221, 16417), (227, 16441), (237, 16489), (239, 16513), (245, 16561), (254, 16603), (272, 16738), (275, 16759), (285, 16819), (294, 16888), (302, 16921),

Gene: Merry_ Start: 13998, Stop: 15890, Start Num: 15

Candidate Starts for Merry_:

(10, 13962), (11, 13968), (14, 13995), (Start: 15 @13998 has 2 MA's), (Start: 20 @14052 has 52 MA's), (63, 14373), (97, 14610), (106, 14655), (112, 14691), (129, 14760), (137, 14781), (138, 14784), (146, 14835), (151, 14868), (157, 14934), (169, 15015), (194, 15156), (219, 15321), (222, 15345), (244, 15471), (263, 15585), (264, 15600), (273, 15636), (276, 15648), (280, 15678), (282, 15690), (285, 15705), (305, 15831),

Gene: Metamorphoo_27 Start: 13469, Stop: 15490, Start Num: 20

Candidate Starts for Metamorphoo_27:

(Start: 20 @13469 has 52 MA's), (97, 14054), (112, 14135), (116, 14159), (129, 14204), (137, 14225), (138, 14228), (157, 14378), (184, 14588), (187, 14636), (189, 14708), (194, 14768), (195, 14792), (218, 14930), (221, 14954), (222, 14957), (243, 15068), (263, 15197), (264, 15212), (265, 15221), (273, 15248), (276, 15260), (280, 15290), (285, 15317), (297, 15401), (302, 15419),

Gene: Mila11_28 Start: 15055, Stop: 16887, Start Num: 34

Candidate Starts for Mila11_28:

(Start: 34 @15055 has 35 MA's), (38, 15064), (47, 15163), (89, 15529), (115, 15697), (118, 15712), (137, 15772), (145, 15820), (146, 15826), (150, 15850), (162, 15964), (163, 15967), (164, 15973), (179, 16066), (196, 16147), (213, 16240), (214, 16255), (221, 16303), (227, 16327), (237, 16375), (239, 16399), (245, 16447), (254, 16489), (272, 16624), (273, 16636), (275, 16645), (285, 16705), (294, 16774), (302, 16807),

Gene: Mischief19_14 Start: 15652, Stop: 17313, Start Num: 33

Candidate Starts for Mischief19_14:

(Start: 33 @15652 has 45 MA's), (43, 15730), (63, 15895), (68, 15976), (91, 16060), (109, 16147), (115, 16189), (118, 16204), (133, 16243), (135, 16249), (136, 16252), (142, 16285), (157, 16411), (161, 16444), (165, 16465), (174, 16525), (195, 16609), (207, 16684), (211, 16702), (238, 16837), (242, 16879), (260, 16996), (270, 17065), (276, 17095),

Gene: MisoSoup_18 Start: 9688, Stop: 11541, Start Num: 20

Candidate Starts for MisoSoup_18:

(Start: 20 @9688 has 52 MA's), (32, 9739), (82, 10183), (100, 10249), (110, 10300), (125, 10375), (168, 10639), (205, 10891), (214, 10939), (218, 10963), (220, 10984), (236, 11047), (256, 11173), (273, 11293), (280, 11335), (286, 11374),

Gene: MoontowerMania_19 Start: 14205, Stop: 16112, Start Num: 24

Candidate Starts for MoontowerMania_19:

(Start: 24 @14205 has 110 MA's), (54, 14436), (58, 14454), (83, 14721), (109, 14859), (119, 14928), (130, 14961), (165, 15186), (167, 15192), (175, 15255), (178, 15267), (179, 15270), (180, 15282), (198, 15369), (206, 15423), (218, 15492), (223, 15528), (246, 15672), (256, 15723), (274, 15867), (275, 15870), (276, 15873), (283, 15921), (290, 15978),

Gene: MorillMayhem_24 Start: 14081, Stop: 15913, Start Num: 34

Candidate Starts for MorillMayhem_24:

(Start: 34 @14081 has 35 MA's), (38, 14090), (47, 14189), (89, 14555), (115, 14723), (118, 14738), (137, 14798), (145, 14846), (146, 14852), (150, 14876), (162, 14990), (163, 14993), (164, 14999), (179, 15092), (196, 15173), (213, 15266), (214, 15281), (221, 15329), (227, 15353), (237, 15401), (239, 15425), (245, 15473), (254, 15515), (272, 15650), (273, 15662), (275, 15671), (285, 15731), (294, 15800), (302, 15833),

Gene: Mutzi_21 Start: 12236, Stop: 14134, Start Num: 24

Candidate Starts for Mutzi_21:

(Start: 24 @12236 has 110 MA's), (55, 12473), (58, 12485), (60, 12539), (115, 12932), (121, 12965), (130, 12989), (167, 13229), (194, 13370), (211, 13487), (218, 13532), (219, 13535), (232, 13595), (240, 13658), (266, 13832), (275, 13892), (276, 13895), (286, 13964), (289, 13994), (293, 14018), (299, 14045), (300, 14048),

Gene: Namago_25 Start: 13649, Stop: 15481, Start Num: 34

Candidate Starts for Namago_25:

(Start: 34 @13649 has 35 MA's), (38, 13658), (47, 13757), (81, 14090), (115, 14291), (118, 14306), (137, 14366), (145, 14414), (150, 14444), (163, 14561), (164, 14567), (179, 14660), (196, 14741), (213, 14834), (214, 14849), (221, 14897), (227, 14921), (237, 14969), (239, 14993), (245, 15041), (254, 15083), (272, 15218), (275, 15239), (282, 15284), (285, 15299), (294, 15368), (302, 15401),

Gene: Natkenzie_21 Start: 15527, Stop: 17449, Start Num: 24

Candidate Starts for Natkenzie_21:

(Start: 24 @15527 has 110 MA's), (51, 15743), (54, 15758), (67, 15932), (92, 16070), (93, 16079), (101, 16148), (104, 16154), (114, 16208), (118, 16232), (162, 16484), (165, 16502), (167, 16508), (175, 16571), (178, 16583), (179, 16586), (180, 16598), (198, 16688), (203, 16715), (230, 16874), (241, 16952), (258, 17048), (262, 17084), (273, 17204), (277, 17237), (290, 17321), (299, 17366),

Gene: Nicole72_22 Start: 15232, Stop: 17253, Start Num: 20

Candidate Starts for Nicole72_22:

(18, 15220), (Start: 20 @15232 has 52 MA's), (48, 15433), (59, 15505), (97, 15817), (106, 15862), (112, 15898), (129, 15967), (137, 15988), (144, 16024), (157, 16141), (164, 16186), (167, 16201), (194, 16531), (218, 16693), (219, 16696), (221, 16717), (243, 16831), (252, 16888), (261, 16948), (263, 16960), (276, 17023), (280, 17053), (299, 17173), (300, 17176), (302, 17182), (309, 17221),

Gene: Nikan_21 Start: 13481, Stop: 15208, Start Num: 33

Candidate Starts for Nikan_21:

(22, 13418), (26, 13433), (Start: 33 @13481 has 45 MA's), (42, 13547), (122, 14087), (173, 14390), (179, 14420), (199, 14516), (200, 14519), (201, 14522), (209, 14582), (239, 14744), (246, 14795), (252, 14828), (262, 14891), (276, 14978), (278, 15002), (285, 15035), (298, 15125),

Gene: Nike_25 Start: 14547, Stop: 16379, Start Num: 34

Candidate Starts for Nike_25:

(Start: 34 @14547 has 35 MA's), (38, 14556), (47, 14655), (89, 15021), (115, 15189), (118, 15204), (137, 15264), (145, 15312), (146, 15318), (150, 15342), (163, 15459), (164, 15465), (179, 15558), (196, 15639), (213, 15732), (214, 15747), (221, 15795), (227, 15819), (237, 15867), (239, 15891), (245, 15939), (254, 15981), (272, 16116), (273, 16128), (275, 16137), (285, 16197), (294, 16266), (302, 16299),

Gene: NoodlelyBoi_27 Start: 14134, Stop: 15984, Start Num: 20

Candidate Starts for NoodlelyBoi_27:

(Start: 20 @14134 has 52 MA's), (97, 14710), (106, 14755), (112, 14791), (129, 14860), (137, 14881), (138, 14884), (143, 14914), (157, 15034), (191, 15229), (194, 15256), (199, 15301), (222, 15445), (250, 15601), (263, 15685), (276, 15748), (280, 15778), (282, 15790), (285, 15805), (287, 15820), (293, 15871), (297, 15889),

Gene: Nordenberg_15 Start: 13519, Stop: 15426, Start Num: 24

Candidate Starts for Nordenberg_15:

(Start: 24 @13519 has 110 MA's), (54, 13750), (58, 13768), (83, 14035), (109, 14173), (119, 14242), (130, 14275), (165, 14500), (167, 14506), (175, 14569), (178, 14581), (179, 14584), (180, 14596), (198, 14683), (218, 14806), (223, 14842), (246, 14986), (256, 15037), (273, 15175), (274, 15181), (275, 15184), (276, 15187), (283, 15235), (290, 15292),

Gene: Nubi_19 Start: 11864, Stop: 13762, Start Num: 24

Candidate Starts for Nubi_19:

(Start: 24 @11864 has 110 MA's), (55, 12101), (58, 12113), (60, 12167), (86, 12398), (115, 12560), (121, 12593), (167, 12857), (192, 12986), (194, 12998), (211, 13115), (218, 13160), (219, 13163), (232, 13223), (234, 13241), (238, 13256), (240, 13286), (242, 13298), (243, 13301), (262, 13421), (266, 13460), (275, 13520), (286, 13592), (289, 13622), (293, 13646), (299, 13673), (300, 13676), (304, 13703),

Gene: NyleyClemson_22 Start: 12914, Stop: 14641, Start Num: 33

Candidate Starts for NyleyClemson_22:

(22, 12851), (Start: 33 @12914 has 45 MA's), (122, 13523), (170, 13811), (173, 13823), (179, 13853), (199, 13949), (200, 13952), (201, 13955), (209, 14015), (239, 14177), (246, 14228), (248, 14237), (252, 14261), (262, 14324), (273, 14399), (274, 14405), (276, 14411), (277, 14432), (293, 14534),

Gene: Odyssey395_28 Start: 14429, Stop: 16156, Start Num: 33

Candidate Starts for Odyssey395_28:

(22, 14366), (Start: 33 @14429 has 45 MA's), (122, 15038), (164, 15275), (170, 15326), (173, 15338), (179, 15368), (199, 15464), (200, 15467), (201, 15470), (209, 15530), (239, 15692), (248, 15752), (249, 15758), (252, 15776), (262, 15839), (278, 15950), (293, 16049),

Gene: Ollypop_24 Start: 13443, Stop: 15170, Start Num: 33

Candidate Starts for Ollypop_24:

(22, 13380), (26, 13395), (Start: 33 @13443 has 45 MA's), (42, 13509), (79, 13833), (104, 13953), (122, 14049), (173, 14352), (179, 14382), (199, 14478), (200, 14481), (201, 14484), (209, 14544), (239, 14706), (246, 14757), (252, 14790), (262, 14853), (276, 14940), (281, 14979), (285, 14997),

Gene: OneinaGillian_24 Start: 12673, Stop: 14451, Start Num: 33

Candidate Starts for OneinaGillian_24:

(Start: 33 @12673 has 45 MA's), (38, 12685), (69, 13027), (94, 13144), (115, 13270), (145, 13384), (150, 13414), (179, 13627), (196, 13708), (198, 13717), (211, 13795), (213, 13801), (214, 13816), (239, 13960), (244, 14002), (254, 14053), (273, 14200), (275, 14209), (298, 14359), (302, 14371), (312, 14431),

Gene: Onika_26 Start: 13769, Stop: 15625, Start Num: 20

Candidate Starts for Onika_26:

(Start: 20 @13769 has 52 MA's), (97, 14345), (106, 14390), (112, 14426), (129, 14495), (137, 14516), (138, 14519), (143, 14549), (157, 14669), (169, 14750), (191, 14864), (194, 14891), (222, 15080), (244, 15206), (263, 15320), (264, 15335), (276, 15383), (280, 15413), (282, 15425), (285, 15440), (287, 15455), (293, 15506), (297, 15524), (302, 15542),

Gene: Paries_21 Start: 14887, Stop: 16794, Start Num: 24

Candidate Starts for Paries_21:

(Start: 24 @14887 has 110 MA's), (54, 15118), (58, 15136), (83, 15403), (109, 15541), (119, 15610), (130, 15643), (165, 15868), (167, 15874), (175, 15937), (178, 15949), (179, 15952), (180, 15964), (198, 16051), (206, 16105), (218, 16174), (223, 16210), (246, 16354), (256, 16405), (274, 16549), (275, 16552), (276, 16555), (283, 16603), (290, 16660),

Gene: Paschalis_26 Start: 13783, Stop: 15639, Start Num: 20

Candidate Starts for Paschalis_26:

(Start: 20 @13783 has 52 MA's), (97, 14359), (106, 14404), (112, 14440), (129, 14509), (137, 14530), (138, 14533), (143, 14563), (157, 14683), (169, 14764), (191, 14878), (194, 14905), (222, 15094), (263, 15334), (264, 15349), (276, 15397), (280, 15427), (282, 15439), (285, 15454), (287, 15469), (293, 15520), (297, 15538), (302, 15556),

Gene: Pepe25_23 Start: 13010, Stop: 14788, Start Num: 33

Candidate Starts for Pepe25_23:

(Start: 33 @13010 has 45 MA's), (38, 13022), (69, 13367), (94, 13481), (115, 13607), (137, 13673), (145, 13721), (150, 13751), (179, 13964), (196, 14045), (198, 14054), (211, 14132), (213, 14138), (214, 14153), (239, 14297), (244, 14339), (254, 14390), (273, 14537), (275, 14546), (298, 14696), (302, 14708),

Gene: Phabia_25 Start: 13921, Stop: 15753, Start Num: 34

Candidate Starts for Phabia_25:

(Start: 34 @13921 has 35 MA's), (38, 13930), (47, 14029), (89, 14395), (115, 14563), (118, 14578), (137, 14638), (145, 14686), (146, 14692), (150, 14716), (163, 14833), (164, 14839), (179, 14932), (196, 15013), (213, 15106), (214, 15121), (221, 15169), (227, 15193), (237, 15241), (239, 15265), (245, 15313), (254, 15355), (272, 15490), (273, 15502), (275, 15511), (285, 15571), (294, 15640), (302, 15673),

Gene: Phauci_14 Start: 11906, Stop: 13825, Start Num: 24

Candidate Starts for Phauci_14:

(Start: 24 @11906 has 110 MA's), (48, 12107), (64, 12230), (83, 12401), (93, 12446), (95, 12467), (109, 12524), (147, 12701), (149, 12710), (154, 12761), (156, 12812), (165, 12875), (167, 12881), (175, 12944), (180, 12971), (198, 13058), (229, 13241), (240, 13316), (243, 13331), (246, 13355), (252, 13388), (256, 13406), (263, 13463), (273, 13574), (285, 13643), (286, 13655), (290, 13691), (303, 13757),

Gene: PhedwardCullen_25 Start: 13528, Stop: 15384, Start Num: 20

Candidate Starts for PhedwardCullen_25:

(Start: 20 @13528 has 52 MA's), (97, 14104), (106, 14149), (112, 14185), (129, 14254), (137, 14275), (138, 14278), (143, 14308), (157, 14428), (169, 14509), (191, 14623), (194, 14650), (222, 14839), (244, 14965), (263, 15079), (264, 15094), (276, 15142), (280, 15172), (282, 15184), (285, 15199), (287, 15214), (293, 15265), (297, 15283), (302, 15301),

Gene: Phinally_21 Start: 15336, Stop: 17255, Start Num: 24

Candidate Starts for Phinally_21:

(Start: 24 @15336 has 110 MA's), (48, 15537), (64, 15660), (83, 15831), (93, 15876), (95, 15897), (109, 15954), (139, 16080), (147, 16131), (149, 16140), (154, 16191), (156, 16242), (165, 16305), (167, 16311), (175, 16374), (180, 16401), (198, 16488), (229, 16671), (240, 16746), (243, 16761), (246, 16785), (252, 16818), (256, 16836), (263, 16893), (273, 17004), (285, 17073), (286, 17085), (290, 17121), (303, 17187),

Gene: Phinky_31 Start: 14788, Stop: 16635, Start Num: 33

Candidate Starts for Phinky_31:

(Start: 33 @14788 has 45 MA's), (38, 14797), (40, 14833), (62, 15022), (115, 15442), (120, 15469), (145, 15565), (150, 15595), (179, 15811), (193, 15853), (195, 15886), (196, 15892), (198, 15901), (205, 15952), (213, 15985), (214, 16000), (239, 16144), (244, 16186), (245, 16192), (254, 16237), (263, 16303), (272, 16372), (273, 16384), (275, 16393), (285, 16453), (300, 16549), (302, 16555),

Gene: Phlop_19 Start: 11937, Stop: 13826, Start Num: 24

Candidate Starts for Phlop_19:

(Start: 24 @11937 has 110 MA's), (55, 12174), (58, 12186), (60, 12240), (86, 12465), (115, 12627), (121, 12660), (130, 12684), (167, 12912), (177, 12984), (192, 13041), (211, 13170), (218, 13215), (219, 13218), (240, 13341), (242, 13353), (252, 13413), (273, 13566), (275, 13575), (286, 13647), (289, 13677), (299, 13728), (303, 13749), (308, 13773),

Gene: Phorgeous_26 Start: 13636, Stop: 15492, Start Num: 20

Candidate Starts for Phorgeous_26:

(Start: 20 @13636 has 52 MA's), (97, 14212), (106, 14257), (112, 14293), (129, 14362), (137, 14383), (138, 14386), (143, 14416), (157, 14536), (169, 14617), (191, 14731), (194, 14758), (222, 14947), (244, 15073), (263, 15187), (264, 15202), (276, 15250), (280, 15280), (282, 15292), (285, 15307), (287, 15322), (293, 15373), (297, 15391), (302, 15409),

Gene: Phrancesco_27 Start: 13914, Stop: 15770, Start Num: 20

Candidate Starts for Phrancesco_27:

(Start: 20 @13914 has 52 MA's), (97, 14490), (106, 14535), (112, 14571), (129, 14640), (137, 14661), (138, 14664), (143, 14694), (157, 14814), (169, 14895), (191, 15009), (194, 15036), (222, 15225), (244, 15351), (249, 15375), (263, 15465), (264, 15480), (276, 15528), (280, 15558), (282, 15570), (285, 15585), (287, 15600), (293, 15651), (297, 15669), (302, 15687),

Gene: PhuzzTulsa_24 Start: 14216, Stop: 15943, Start Num: 33

Candidate Starts for PhuzzTulsa_24:

(22, 14153), (Start: 33 @14216 has 45 MA's), (122, 14825), (170, 15113), (173, 15125), (179, 15155), (199, 15251), (200, 15254), (201, 15257), (209, 15317), (239, 15479), (248, 15539), (249, 15545), (252, 15563), (262, 15626), (278, 15737), (293, 15836),

Gene: PierreOrion_27 Start: 13938, Stop: 15794, Start Num: 20

Candidate Starts for PierreOrion_27:

(Start: 20 @13938 has 52 MA's), (97, 14514), (106, 14559), (112, 14595), (129, 14664), (137, 14685), (138, 14688), (143, 14718), (157, 14838), (169, 14919), (191, 15033), (194, 15060), (222, 15249), (244, 15375), (263, 15489), (264, 15504), (276, 15552), (280, 15582), (282, 15594), (285, 15609), (287, 15624), (293, 15675), (297, 15693), (302, 15711),

Gene: PinkCoffee_21 Start: 12521, Stop: 14419, Start Num: 24

Candidate Starts for PinkCoffee_21:

(Start: 24 @12521 has 110 MA's), (55, 12758), (58, 12770), (60, 12824), (115, 13217), (121, 13250), (130, 13274), (167, 13514), (192, 13643), (194, 13655), (211, 13772), (218, 13817), (219, 13820), (232, 13880), (234, 13898), (240, 13943), (242, 13955), (243, 13958), (245, 13979), (262, 14078), (266, 14117), (275, 14177), (286, 14249), (289, 14279), (293, 14303), (299, 14330), (300, 14333), (304, 14360),

Gene: PiperSansNom_27 Start: 14090, Stop: 15946, Start Num: 20

Candidate Starts for PiperSansNom_27:

(Start: 20 @14090 has 52 MA's), (97, 14666), (106, 14711), (112, 14747), (129, 14816), (137, 14837), (138, 14840), (143, 14870), (157, 14990), (169, 15071), (191, 15185), (194, 15212), (222, 15401), (244, 15527), (263, 15641), (264, 15656), (276, 15704), (280, 15734), (282, 15746), (285, 15761), (287, 15776), (293, 15827), (297, 15845), (302, 15863),

Gene: Piperis_27 Start: 13760, Stop: 15616, Start Num: 20

Candidate Starts for Piperis_27:

(Start: 20 @13760 has 52 MA's), (97, 14336), (106, 14381), (112, 14417), (129, 14486), (137, 14507), (138, 14510), (143, 14540), (157, 14660), (169, 14741), (191, 14855), (194, 14882), (222, 15071), (244, 15197), (263, 15311), (264, 15326), (276, 15374), (280, 15404), (282, 15416), (285, 15431), (287, 15446), (293, 15497), (297, 15515), (302, 15533),

Gene: Pointis_26 Start: 14433, Stop: 16160, Start Num: 33

Candidate Starts for Pointis_26:

(22, 14370), (Start: 33 @14433 has 45 MA's), (122, 15042), (170, 15330), (173, 15342), (179, 15372), (199, 15468), (200, 15471), (201, 15474), (209, 15534), (239, 15696), (248, 15756), (249, 15762), (252, 15780), (262, 15843), (278, 15954), (293, 16053),

Gene: Popstraw_24 Start: 14219, Stop: 15946, Start Num: 33

Candidate Starts for Popstraw_24:

(22, 14156), (Start: 33 @14219 has 45 MA's), (122, 14828), (170, 15116), (173, 15128), (179, 15158), (199, 15254), (200, 15257), (201, 15260), (209, 15320), (239, 15482), (248, 15542), (249, 15548), (252, 15566), (262, 15629), (278, 15740), (293, 15839),

Gene: Portcullis_19 Start: 11883, Stop: 13769, Start Num: 24

Candidate Starts for Portcullis_19:

(Start: 24 @11883 has 110 MA's), (55, 12120), (58, 12132), (60, 12186), (115, 12567), (121, 12600), (131, 12627), (192, 12993), (194, 13005), (211, 13122), (218, 13167), (219, 13170), (232, 13230), (234, 13248), (240, 13293), (242, 13305), (243, 13308), (262, 13428), (266, 13467), (275, 13527), (286, 13599), (289, 13629), (293, 13653), (299, 13680), (300, 13683), (304, 13710),

Gene: Pulchra_28 Start: 14160, Stop: 16016, Start Num: 20

Candidate Starts for Pulchra_28:

(Start: 20 @14160 has 52 MA's), (97, 14736), (106, 14781), (112, 14817), (129, 14886), (137, 14907), (138, 14910), (143, 14940), (157, 15060), (169, 15141), (191, 15255), (194, 15282), (222, 15471), (244, 15597), (263, 15711), (264, 15726), (276, 15774), (280, 15804), (282, 15816), (285, 15831), (287, 15846), (293, 15897), (297, 15915), (302, 15933),

Gene: PullumCavea_19 Start: 11937, Stop: 13826, Start Num: 24

Candidate Starts for PullumCavea_19:

(Start: 24 @11937 has 110 MA's), (55, 12174), (58, 12186), (60, 12240), (86, 12465), (115, 12627), (121, 12660), (130, 12684), (167, 12912), (177, 12984), (192, 13041), (211, 13170), (218, 13215), (219, 13218), (240, 13341), (242, 13353), (252, 13413), (273, 13566), (275, 13575), (286, 13647), (289, 13677), (299, 13728), (303, 13749), (308, 13773),

Gene: Pumpkiney_23 Start: 14240, Stop: 16156, Start Num: 24

Candidate Starts for Pumpkiney_23:

(Start: 24 @14240 has 110 MA's), (51, 14456), (54, 14471), (67, 14645), (93, 14792), (101, 14858), (104, 14864), (114, 14918), (118, 14942), (123, 14966), (162, 15194), (165, 15212), (167, 15218), (175, 15281), (178, 15293), (179, 15296), (180, 15308), (198, 15398), (203, 15425), (230, 15584), (241, 15662), (258, 15758), (290, 16028), (299, 16073),

Gene: Pureglobe5_28 Start: 14443, Stop: 16170, Start Num: 33

Candidate Starts for Pureglobe5_28:

(22, 14380), (Start: 33 @14443 has 45 MA's), (122, 15052), (170, 15340), (173, 15352), (179, 15382), (199, 15478), (200, 15481), (201, 15484), (209, 15544), (239, 15706), (248, 15766), (249, 15772), (252, 15790), (262, 15853), (278, 15964), (293, 16063),

Gene: Quammi_23 Start: 13492, Stop: 15324, Start Num: 34

Candidate Starts for Quammi_23:

(Start: 34 @13492 has 35 MA's), (38, 13501), (47, 13600), (89, 13966), (115, 14134), (118, 14149), (137, 14209), (145, 14257), (146, 14263), (150, 14287), (163, 14404), (164, 14410), (179, 14503), (196, 14584), (213, 14677), (214, 14692), (221, 14740), (227, 14764), (237, 14812), (239, 14836), (245, 14884), (254, 14926), (272, 15061), (273, 15073), (275, 15082), (285, 15142), (294, 15211), (302, 15244),

Gene: Quhwah_30 Start: 14383, Stop: 16242, Start Num: 20

Candidate Starts for Quhwah_30:

(Start: 20 @14383 has 52 MA's), (97, 14962), (106, 15007), (112, 15043), (129, 15112), (137, 15133), (138, 15136), (143, 15166), (157, 15286), (169, 15367), (191, 15481), (194, 15508), (222, 15697), (244, 15823), (263, 15937), (264, 15952), (276, 16000), (280, 16030), (282, 16042), (285, 16057), (287, 16072), (293, 16123), (297, 16141), (302, 16159),

Gene: RainyPolka_13 Start: 13679, Stop: 15376, Start Num: 33

Candidate Starts for RainyPolka_13:

(Start: 33 @13679 has 45 MA's), (36, 13688), (43, 13757), (45, 13775), (46, 13790), (63, 13922), (65, 13946), (78, 14045), (96, 14126), (107, 14180), (112, 14210), (113, 14213), (117, 14240), (118, 14243), (136, 14291), (150, 14372), (155, 14414), (161, 14483), (176, 14573), (198, 14663), (208, 14729), (211, 14741), (212, 14744), (221, 14810), (238, 14894), (242, 14936), (252, 14996), (275, 15149), (284, 15206), (291, 15266), (292, 15269), (302, 15308), (305, 15332), (311, 15350),

Gene: Ramiel05_26 Start: 13795, Stop: 15651, Start Num: 20

Candidate Starts for Ramiel05_26:

(Start: 20 @13795 has 52 MA's), (97, 14371), (106, 14416), (112, 14452), (129, 14521), (137, 14542), (138, 14545), (143, 14575), (157, 14695), (169, 14776), (191, 14890), (194, 14917), (222, 15106), (263, 15346), (264, 15361), (276, 15409), (280, 15439), (282, 15451), (285, 15466), (287, 15481), (293, 15532), (297, 15550), (302, 15568),

Gene: Ranunculus_20 Start: 13327, Stop: 15048, Start Num: 33

Candidate Starts for Ranunculus_20:

(23, 13264), (Start: 33 @13327 has 45 MA's), (122, 13921), (129, 13942), (150, 14044), (170, 14218), (173, 14230), (179, 14260), (200, 14359), (201, 14362), (231, 14527), (239, 14584), (244, 14626), (246, 14635), (248, 14644), (252, 14668), (262, 14731), (276, 14818), (281, 14857), (285, 14875),

Gene: Rasputia_56 Start: 29361, Stop: 31292, Start Num: 19

Candidate Starts for Rasputia_56:

(Start: 19 @29361 has 4 MA's), (45, 29544), (57, 29628), (63, 29697), (80, 29895), (82, 29904), (100, 30003), (109, 30048), (138, 30165), (212, 30663), (217, 30693), (218, 30705), (222, 30732), (233, 30777), (239, 30816), (244, 30858), (273, 31044), (308, 31251),

Gene: RazzB_22 Start: 12742, Stop: 14469, Start Num: 33

Candidate Starts for RazzB_22:

(22, 12679), (Start: 33 @12742 has 45 MA's), (122, 13351), (170, 13639), (173, 13651), (179, 13681), (199, 13777), (200, 13780), (201, 13783), (209, 13843), (239, 14005), (246, 14056), (248, 14065), (252, 14089), (262, 14152), (273, 14227), (274, 14233), (276, 14239), (277, 14260), (293, 14362),

Gene: Ren19_19 Start: 13481, Stop: 15208, Start Num: 33

Candidate Starts for Ren19_19:

(22, 13418), (26, 13433), (Start: 33 @13481 has 45 MA's), (42, 13547), (122, 14087), (173, 14390), (179, 14420), (199, 14516), (200, 14519), (201, 14522), (209, 14582), (239, 14744), (246, 14795),

(252, 14828), (262, 14891), (276, 14978), (278, 15002), (285, 15035), (298, 15125),

Gene: Ribeye_21 Start: 15768, Stop: 17690, Start Num: 24

Candidate Starts for Ribeye_21:

(Start: 24 @15768 has 110 MA's), (54, 15999), (83, 16296), (95, 16365), (102, 16413), (109, 16437), (119, 16506), (126, 16530), (149, 16623), (165, 16764), (167, 16770), (175, 16833), (178, 16845), (179, 16848), (180, 16860), (198, 16947), (218, 17070), (223, 17106), (230, 17139), (240, 17211), (246, 17250), (256, 17301), (273, 17439), (274, 17445), (275, 17448), (283, 17499), (290, 17556), (291, 17568), (294, 17577),

Gene: RiverRaider_21 Start: 14172, Stop: 16070, Start Num: 24

Candidate Starts for RiverRaider_21:

(13, 14094), (Start: 24 @14172 has 110 MA's), (54, 14403), (58, 14421), (64, 14496), (83, 14670), (95, 14751), (109, 14817), (119, 14886), (165, 15144), (167, 15150), (175, 15213), (178, 15225), (179, 15228), (180, 15240), (198, 15327), (218, 15450), (223, 15486), (240, 15591), (246, 15630), (256, 15681), (259, 15714), (274, 15825), (275, 15828), (276, 15831), (277, 15852), (283, 15879), (288, 15906), (290, 15936), (291, 15948),

Gene: Rizwana_19 Start: 13218, Stop: 14954, Start Num: 33

Candidate Starts for Rizwana_19:

(22, 13155), (Start: 33 @13218 has 45 MA's), (77, 13608), (86, 13644), (140, 13878), (155, 13986), (160, 14049), (162, 14058), (166, 14079), (179, 14160), (200, 14259), (201, 14262), (206, 14304), (211, 14328), (214, 14349), (215, 14355), (239, 14484), (248, 14544), (256, 14583), (260, 14625), (276, 14718), (293, 14841), (300, 14871),

Gene: RoadKill_18 Start: 13249, Stop: 15138, Start Num: 24

Candidate Starts for RoadKill_18:

(21, 13240), (Start: 24 @13249 has 110 MA's), (35, 13315), (54, 13483), (58, 13501), (86, 13774), (102, 13870), (148, 14077), (156, 14155), (167, 14224), (175, 14287), (178, 14299), (179, 14302), (195, 14386), (198, 14401), (214, 14500), (223, 14554), (240, 14659), (256, 14749), (265, 14830), (273, 14887), (276, 14899), (285, 14956), (286, 14968), (290, 15004), (303, 15070),

Gene: RobinRose_26 Start: 13174, Stop: 14952, Start Num: 33

Candidate Starts for RobinRose_26:

(Start: 33 @13174 has 45 MA's), (38, 13186), (69, 13528), (94, 13645), (115, 13771), (145, 13885), (150, 13915), (179, 14128), (196, 14209), (198, 14218), (211, 14296), (213, 14302), (214, 14317), (239, 14461), (244, 14503), (254, 14554), (273, 14701), (275, 14710), (298, 14860), (302, 14872),

Gene: RobsFeet_28 Start: 13750, Stop: 15771, Start Num: 20

Candidate Starts for RobsFeet_28:

(Start: 20 @13750 has 52 MA's), (97, 14335), (112, 14416), (116, 14440), (129, 14485), (137, 14506), (138, 14509), (157, 14659), (187, 14917), (189, 14989), (194, 15049), (195, 15073), (218, 15211), (221, 15235), (222, 15238), (243, 15349), (263, 15478), (264, 15493), (265, 15502), (273, 15529), (276, 15541), (280, 15571), (285, 15598), (302, 15700),

Gene: Rockwell_26 Start: 13795, Stop: 15651, Start Num: 20

Candidate Starts for Rockwell_26:

(Start: 20 @13795 has 52 MA's), (97, 14371), (106, 14416), (112, 14452), (129, 14521), (137, 14542), (138, 14545), (143, 14575), (157, 14695), (169, 14776), (191, 14890), (194, 14917), (222, 15106), (263, 15346), (264, 15361), (276, 15409), (280, 15439), (282, 15451), (285, 15466), (287, 15481), (293, 15532), (297, 15550), (302, 15568),

Gene: Rofo_20 Start: 15139, Stop: 17046, Start Num: 24

Candidate Starts for Rofo_20:

(Start: 24 @15139 has 110 MA's), (54, 15370), (58, 15388), (83, 15655), (109, 15793), (119, 15862), (130, 15895), (165, 16120), (167, 16126), (175, 16189), (178, 16201), (179, 16204), (180, 16216), (218, 16426), (223, 16462), (246, 16606), (256, 16657), (274, 16801), (275, 16804), (276, 16807), (283, 16855), (290, 16912),

Gene: RogerDodger_22 Start: 12733, Stop: 14619, Start Num: 24

Candidate Starts for RogerDodger_22:

(Start: 24 @12733 has 110 MA's), (55, 12970), (58, 12982), (60, 13036), (86, 13258), (115, 13420), (121, 13453), (167, 13705), (177, 13777), (192, 13834), (194, 13846), (211, 13963), (218, 14008), (219, 14011), (240, 14134), (242, 14146), (252, 14206), (273, 14359), (275, 14368), (286, 14440), (289, 14470), (303, 14542), (308, 14566),

Gene: RomansRevenge_16 Start: 11444, Stop: 13249, Start Num: 33

Candidate Starts for RomansRevenge_16:

(Start: 33 @11444 has 45 MA's), (40, 11492), (49, 11582), (71, 11834), (74, 11849), (91, 11942), (108, 12053), (111, 12062), (122, 12131), (139, 12176), (146, 12218), (158, 12323), (167, 12380), (179, 12458), (198, 12548), (200, 12557), (214, 12647), (234, 12749), (252, 12866), (262, 12929), (276, 13013), (285, 13070), (286, 13082), (293, 13136),

Gene: Romm_26 Start: 13174, Stop: 14952, Start Num: 33

Candidate Starts for Romm_26:

(Start: 33 @13174 has 45 MA's), (38, 13186), (69, 13528), (94, 13645), (115, 13771), (145, 13885), (150, 13915), (179, 14128), (196, 14209), (198, 14218), (211, 14296), (213, 14302), (214, 14317), (239, 14461), (244, 14503), (254, 14554), (273, 14701), (275, 14710), (298, 14860), (302, 14872),

Gene: Rowlf_21 Start: 13250, Stop: 15082, Start Num: 34

Candidate Starts for Rowlf_21:

(Start: 34 @13250 has 35 MA's), (38, 13259), (47, 13358), (89, 13724), (115, 13892), (118, 13907), (137, 13967), (145, 14015), (146, 14021), (150, 14045), (163, 14162), (164, 14168), (179, 14261), (196, 14342), (213, 14435), (214, 14450), (221, 14498), (227, 14522), (237, 14570), (239, 14594), (245, 14642), (254, 14684), (272, 14819), (273, 14831), (275, 14840), (285, 14900), (294, 14969), (302, 15002),

Gene: RubyRalph_27 Start: 13767, Stop: 15596, Start Num: 33

Candidate Starts for RubyRalph_27:

(Start: 33 @13767 has 45 MA's), (38, 13779), (50, 13908), (69, 14136), (72, 14154), (100, 14313), (115, 14397), (137, 14475), (145, 14523), (150, 14553), (162, 14667), (179, 14769), (193, 14811), (196, 14850), (198, 14859), (213, 14943), (214, 14958), (237, 15078), (239, 15102), (244, 15144), (245, 15150), (254, 15192), (272, 15327), (275, 15348), (277, 15372), (281, 15390), (285, 15408), (302, 15510),

Gene: Rudy_23 Start: 13492, Stop: 15324, Start Num: 34

Candidate Starts for Rudy_23:

(Start: 34 @13492 has 35 MA's), (38, 13501), (47, 13600), (89, 13966), (115, 14134), (118, 14149), (137, 14209), (145, 14257), (146, 14263), (150, 14287), (163, 14404), (164, 14410), (179, 14503), (196, 14584), (213, 14677), (214, 14692), (221, 14740), (227, 14764), (237, 14812), (239, 14836), (245, 14884), (254, 14926), (272, 15061), (273, 15073), (275, 15082), (285, 15142), (294, 15211), (302, 15244),

Gene: SadLad_29 Start: 14704, Stop: 16533, Start Num: 33

Candidate Starts for SadLad_29:

(Start: 33 @14704 has 45 MA's), (38, 14716), (50, 14845), (69, 15073), (72, 15091), (100, 15250), (115, 15334), (137, 15412), (145, 15460), (150, 15490), (162, 15604), (179, 15706), (193, 15748), (196, 15787), (213, 15880), (214, 15895), (237, 16015), (239, 16039), (244, 16081), (245, 16087), (254, 16129), (272, 16264), (275, 16285), (277, 16309), (281, 16327), (285, 16345), (302, 16447),

Gene: Salete_13 Start: 13751, Stop: 15445, Start Num: 33

Candidate Starts for Salete_13:

(Start: 33 @13751 has 45 MA's), (36, 13760), (46, 13862), (63, 13994), (65, 14018), (78, 14114), (96, 14195), (105, 14240), (107, 14249), (113, 14282), (117, 14309), (118, 14312), (136, 14360), (142, 14393), (143, 14396), (148, 14435), (150, 14441), (157, 14519), (161, 14552), (176, 14642), (198, 14732), (208, 14798), (211, 14810), (212, 14813), (232, 14930), (238, 14963), (242, 15005), (260, 15122), (275, 15218), (284, 15275), (292, 15338), (294, 15344), (302, 15377), (305, 15401), (311, 15419), (314, 15434),

Gene: SallyK_26 Start: 14644, Stop: 16470, Start Num: 34

Candidate Starts for SallyK_26:

(Start: 34 @14644 has 35 MA's), (38, 14653), (47, 14752), (81, 15079), (115, 15280), (118, 15295), (137, 15355), (145, 15403), (150, 15433), (163, 15550), (164, 15556), (179, 15649), (196, 15730), (213, 15823), (214, 15838), (221, 15886), (227, 15910), (237, 15958), (239, 15982), (245, 16030), (254, 16072), (272, 16207), (275, 16228), (282, 16273), (285, 16288), (294, 16357), (302, 16390),

Gene: Salvador_19 Start: 11842, Stop: 13740, Start Num: 24

Candidate Starts for Salvador_19:

(Start: 24 @11842 has 110 MA's), (55, 12079), (58, 12091), (60, 12145), (86, 12376), (115, 12538), (121, 12571), (167, 12835), (192, 12964), (194, 12976), (211, 13093), (218, 13138), (219, 13141), (232, 13201), (234, 13219), (238, 13234), (240, 13264), (242, 13276), (243, 13279), (262, 13399), (266, 13438), (275, 13498), (286, 13570), (289, 13600), (293, 13624), (299, 13651), (300, 13654), (304, 13681),

Gene: Sampson_21 Start: 15472, Stop: 17394, Start Num: 24

Candidate Starts for Sampson_21:

(Start: 24 @15472 has 110 MA's), (51, 15688), (54, 15703), (67, 15877), (92, 16015), (93, 16024), (101, 16093), (104, 16099), (114, 16153), (118, 16177), (162, 16429), (165, 16447), (167, 16453), (175, 16516), (178, 16528), (179, 16531), (180, 16543), (198, 16633), (203, 16660), (230, 16819), (241, 16897), (258, 16993), (262, 17029), (273, 17149), (277, 17182), (290, 17266), (299, 17311),

Gene: Sanjuju_18 Start: 14651, Stop: 16558, Start Num: 24

Candidate Starts for Sanjuju_18:

(Start: 24 @14651 has 110 MA's), (54, 14882), (58, 14900), (83, 15167), (109, 15305), (119, 15374), (130, 15407), (165, 15632), (167, 15638), (175, 15701), (178, 15713), (179, 15716), (180, 15728), (198, 15815), (206, 15869), (218, 15938), (223, 15974), (246, 16118), (256, 16169), (274, 16313), (275, 16316), (276, 16319), (283, 16367), (290, 16424),

Gene: Saronaya_20 Start: 14562, Stop: 16469, Start Num: 24

Candidate Starts for Saronaya_20:

(Start: 24 @14562 has 110 MA's), (41, 14697), (54, 14793), (83, 15075), (95, 15144), (102, 15192), (109, 15216), (114, 15252), (119, 15285), (126, 15309), (149, 15402), (165, 15543), (167, 15549), (175, 15612), (178, 15624), (179, 15627), (180, 15639), (198, 15726), (218, 15849), (223, 15885), (240, 15990), (246, 16029), (256, 16080), (273, 16218), (274, 16224), (275, 16227), (283, 16278), (290, 16335), (291, 16347), (294, 16356),

Gene: Savannah_26 Start: 13819, Stop: 15678, Start Num: 20

Candidate Starts for Savannah_26:

(Start: 20 @13819 has 52 MA's), (97, 14398), (106, 14443), (112, 14479), (129, 14548), (137, 14569), (138, 14572), (143, 14602), (157, 14722), (169, 14803), (191, 14917), (194, 14944), (222, 15133), (244, 15259), (263, 15373), (264, 15388), (276, 15436), (280, 15466), (282, 15478), (285, 15493), (287, 15508), (293, 15559), (297, 15577), (302, 15595),

Gene: Savbucketdawg_19 Start: 11635, Stop: 13521, Start Num: 24

Candidate Starts for Savbucketdawg_19:

(Start: 24 @11635 has 110 MA's), (55, 11872), (58, 11884), (60, 11938), (115, 12319), (121, 12352), (131, 12379), (192, 12745), (194, 12757), (211, 12874), (218, 12919), (219, 12922), (232, 12982), (234, 13000), (240, 13045), (242, 13057), (243, 13060), (262, 13180), (266, 13219), (275, 13279), (286, 13351), (289, 13381), (293, 13405), (299, 13432), (300, 13435), (304, 13462),

Gene: SchottB_19 Start: 15551, Stop: 17470, Start Num: 24

Candidate Starts for SchottB_19:

(Start: 24 @15551 has 110 MA's), (41, 15686), (54, 15782), (83, 16076), (95, 16145), (102, 16193), (109, 16217), (114, 16253), (119, 16286), (126, 16310), (149, 16403), (165, 16544), (167, 16550), (175, 16613), (178, 16625), (179, 16628), (180, 16640), (198, 16727), (218, 16850), (223, 16886), (230, 16919), (240, 16991), (246, 17030), (256, 17081), (274, 17225), (275, 17228), (283, 17279), (290, 17336), (291, 17348), (294, 17357),

Gene: Scioto_21 Start: 15527, Stop: 17449, Start Num: 24

Candidate Starts for Scioto_21:

(Start: 24 @15527 has 110 MA's), (51, 15743), (54, 15758), (67, 15932), (92, 16070), (93, 16079), (101, 16148), (104, 16154), (114, 16208), (118, 16232), (162, 16484), (165, 16502), (167, 16508), (175, 16571), (178, 16583), (179, 16586), (180, 16598), (198, 16688), (203, 16715), (230, 16874), (241, 16952), (258, 17048), (262, 17084), (273, 17204), (277, 17237), (290, 17321), (299, 17366),

Gene: Scumberland_28 Start: 14010, Stop: 15866, Start Num: 20

Candidate Starts for Scumberland_28:

(Start: 20 @14010 has 52 MA's), (97, 14586), (106, 14631), (112, 14667), (129, 14736), (137, 14757), (138, 14760), (143, 14790), (157, 14910), (169, 14991), (191, 15105), (194, 15132), (222, 15321), (244, 15447), (263, 15561), (264, 15576), (276, 15624), (280, 15654), (282, 15666), (285, 15681), (287, 15696), (293, 15747), (297, 15765), (302, 15783),

Gene: Sedona_22 Start: 16968, Stop: 18863, Start Num: 24

Candidate Starts for Sedona_22:

(Start: 24 @16968 has 110 MA's), (54, 17199), (58, 17217), (83, 17472), (109, 17610), (119, 17679), (130, 17712), (165, 17937), (167, 17943), (175, 18006), (178, 18018), (179, 18021), (180, 18033), (198, 18120), (218, 18243), (223, 18279), (246, 18423), (256, 18474), (274, 18618), (275, 18621), (276, 18624), (283, 18672), (290, 18729), (313, 18846),

Gene: Selwyn23_28 Start: 13988, Stop: 15844, Start Num: 20

Candidate Starts for Selwyn23_28:

(Start: 20 @13988 has 52 MA's), (97, 14564), (106, 14609), (112, 14645), (129, 14714), (137, 14735), (138, 14738), (143, 14768), (157, 14888), (169, 14969), (191, 15083), (194, 15110), (222, 15299), (244, 15425), (263, 15539), (264, 15554), (276, 15602), (280, 15632), (282, 15644), (285, 15659), (287, 15674), (293, 15725), (297, 15743), (302, 15761),

Gene: Shinji_19 Start: 11824, Stop: 13710, Start Num: 24

Candidate Starts for Shinji_19:

(Start: 24 @11824 has 110 MA's), (55, 12061), (58, 12073), (60, 12127), (115, 12508), (121, 12541), (131, 12568), (192, 12934), (194, 12946), (211, 13063), (218, 13108), (219, 13111), (232, 13171), (234, 13189), (240, 13234), (242, 13246), (243, 13249), (262, 13369), (266, 13408), (275, 13468),

(286, 13540), (289, 13570), (293, 13594), (299, 13621), (300, 13624), (304, 13651),

Gene: Shivanishola_20 Start: 14945, Stop: 16852, Start Num: 24

Candidate Starts for Shivanishola_20:

(Start: 24 @14945 has 110 MA's), (54, 15176), (58, 15194), (83, 15461), (109, 15599), (119, 15668), (130, 15701), (165, 15926), (167, 15932), (175, 15995), (178, 16007), (179, 16010), (180, 16022), (198, 16109), (206, 16163), (218, 16232), (223, 16268), (246, 16412), (256, 16463), (274, 16607), (275, 16610), (276, 16613), (283, 16661), (290, 16718),

Gene: Shotgun_26 Start: 13617, Stop: 15476, Start Num: 20

Candidate Starts for Shotgun_26:

(Start: 20 @13617 has 52 MA's), (97, 14196), (106, 14241), (112, 14277), (129, 14346), (137, 14367), (138, 14370), (143, 14400), (157, 14520), (169, 14601), (191, 14715), (194, 14742), (222, 14931), (244, 15057), (263, 15171), (264, 15186), (276, 15234), (280, 15264), (282, 15276), (285, 15291), (287, 15306), (293, 15357), (297, 15375), (302, 15393),

Gene: Shrubaron_27 Start: 13384, Stop: 15405, Start Num: 20

Candidate Starts for Shrubaron_27:

(Start: 20 @13384 has 52 MA's), (97, 13969), (112, 14050), (116, 14074), (129, 14119), (137, 14140), (138, 14143), (157, 14293), (187, 14551), (189, 14623), (194, 14683), (195, 14707), (218, 14845), (221, 14869), (222, 14872), (243, 14983), (263, 15112), (264, 15127), (265, 15136), (273, 15163), (276, 15175), (280, 15205), (285, 15232), (302, 15334),

Gene: SilentRX_21 Start: 13505, Stop: 15193, Start Num: 33

Candidate Starts for SilentRX_21:

(23, 13445), (25, 13457), (27, 13460), (Start: 33 @13505 has 45 MA's), (173, 14372), (179, 14402), (180, 14414), (199, 14498), (200, 14501), (201, 14504), (212, 14573), (224, 14645), (234, 14693), (252, 14810), (262, 14876), (280, 14993), (291, 15080), (293, 15086),

Gene: Sillytadpoles_24 Start: 13490, Stop: 15322, Start Num: 34

Candidate Starts for Sillytadpoles_24:

(Start: 34 @13490 has 35 MA's), (38, 13499), (47, 13598), (89, 13964), (115, 14132), (118, 14147), (137, 14207), (145, 14255), (146, 14261), (150, 14285), (163, 14402), (164, 14408), (179, 14501), (196, 14582), (213, 14675), (214, 14690), (221, 14738), (227, 14762), (237, 14810), (239, 14834), (245, 14882), (254, 14924), (272, 15059), (273, 15071), (275, 15080), (285, 15140), (294, 15209), (302, 15242),

Gene: SirFrank_26 Start: 13737, Stop: 15587, Start Num: 20

Candidate Starts for SirFrank_26:

(Start: 20 @13737 has 52 MA's), (97, 14313), (106, 14358), (112, 14394), (129, 14463), (137, 14484), (138, 14487), (143, 14517), (157, 14637), (191, 14832), (194, 14859), (199, 14904), (222, 15048), (249, 15198), (250, 15204), (263, 15288), (276, 15351), (280, 15381), (282, 15393), (285, 15408), (287, 15423), (293, 15474), (297, 15492),

Gene: Sitar_22 Start: 16336, Stop: 18231, Start Num: 24

Candidate Starts for Sitar_22:

(Start: 24 @16336 has 110 MA's), (54, 16567), (58, 16585), (83, 16840), (109, 16978), (119, 17047), (130, 17080), (165, 17305), (167, 17311), (175, 17374), (178, 17386), (179, 17389), (180, 17401), (198, 17488), (218, 17611), (223, 17647), (246, 17791), (256, 17842), (274, 17986), (275, 17989), (276, 17992), (283, 18040), (290, 18097), (313, 18214),

Gene: Skugga_25 Start: 13080, Stop: 15104, Start Num: 20

Candidate Starts for Skugga_25:

(Start: 20 @13080 has 52 MA's), (73, 13554), (97, 13668), (104, 13707), (112, 13749), (116, 13773), (129, 13818), (137, 13839), (138, 13842), (141, 13857), (148, 13911), (157, 13992), (164, 14037), (167, 14052), (194, 14382), (195, 14406), (218, 14544), (221, 14568), (222, 14571), (243, 14682), (250, 14727), (263, 14811), (264, 14826), (273, 14862), (276, 14874), (280, 14904), (285, 14931), (302, 15033),

Gene: SlySloth_27 Start: 14547, Stop: 16379, Start Num: 34

Candidate Starts for SlySloth_27:

(Start: 34 @14547 has 35 MA's), (38, 14556), (47, 14655), (89, 15021), (115, 15189), (118, 15204), (137, 15264), (145, 15312), (146, 15318), (150, 15342), (163, 15459), (164, 15465), (179, 15558), (196, 15639), (213, 15732), (214, 15747), (221, 15795), (227, 15819), (237, 15867), (239, 15891), (245, 15939), (254, 15981), (272, 16116), (275, 16137), (285, 16197), (294, 16266), (302, 16299),

Gene: Smarties_35 Start: 15581, Stop: 17596, Start Num: 20

Candidate Starts for Smarties_35:

(Start: 20 @15581 has 52 MA's), (97, 16160), (106, 16205), (112, 16241), (116, 16265), (129, 16310), (137, 16331), (141, 16349), (157, 16484), (189, 16814), (190, 16817), (194, 16874), (195, 16898), (218, 17036), (222, 17063), (243, 17174), (263, 17303), (264, 17318), (265, 17327), (273, 17354), (276, 17366), (280, 17396), (285, 17423), (297, 17507), (302, 17525),

Gene: SmokingBunny_19 Start: 11842, Stop: 13740, Start Num: 24

Candidate Starts for SmokingBunny_19:

(Start: 24 @11842 has 110 MA's), (55, 12079), (58, 12091), (60, 12145), (86, 12376), (115, 12538), (121, 12571), (167, 12835), (192, 12964), (194, 12976), (211, 13093), (218, 13138), (219, 13141), (232, 13201), (234, 13219), (238, 13234), (240, 13264), (242, 13276), (243, 13279), (262, 13399), (266, 13438), (275, 13498), (286, 13570), (289, 13600), (293, 13624), (299, 13651), (300, 13654), (304, 13681),

Gene: Squash_27 Start: 14560, Stop: 16392, Start Num: 34

Candidate Starts for Squash_27:

(Start: 34 @14560 has 35 MA's), (38, 14569), (47, 14668), (89, 15034), (115, 15202), (118, 15217), (137, 15277), (145, 15325), (146, 15331), (150, 15355), (163, 15472), (164, 15478), (179, 15571), (196, 15652), (213, 15745), (214, 15760), (221, 15808), (227, 15832), (237, 15880), (239, 15904), (245, 15952), (254, 15994), (272, 16129), (273, 16141), (275, 16150), (285, 16210), (294, 16279), (302, 16312),

Gene: Statler_26 Start: 14472, Stop: 16304, Start Num: 34

Candidate Starts for Statler_26:

(Start: 34 @14472 has 35 MA's), (38, 14481), (47, 14580), (89, 14946), (115, 15114), (118, 15129), (137, 15189), (145, 15237), (146, 15243), (150, 15267), (163, 15384), (164, 15390), (179, 15483), (196, 15564), (213, 15657), (214, 15672), (221, 15720), (227, 15744), (237, 15792), (239, 15816), (245, 15864), (254, 15906), (272, 16041), (273, 16053), (275, 16062), (285, 16122), (294, 16191), (302, 16224),

Gene: StorminNorm_20 Start: 14442, Stop: 16349, Start Num: 24

Candidate Starts for StorminNorm_20:

(Start: 24 @14442 has 110 MA's), (41, 14577), (54, 14673), (83, 14955), (95, 15024), (102, 15072), (109, 15096), (114, 15132), (119, 15165), (126, 15189), (149, 15282), (165, 15423), (167, 15429), (175, 15492), (178, 15504), (179, 15507), (180, 15519), (198, 15606), (218, 15729), (223, 15765), (240, 15870), (246, 15909), (256, 15960), (273, 16098), (274, 16104), (275, 16107), (283, 16158), (290, 16215), (291, 16227), (294, 16236), (314, 16335),

Gene: StrawberryJamm_27 Start: 13792, Stop: 15624, Start Num: 34

Candidate Starts for StrawberryJamm_27:

(Start: 34 @13792 has 35 MA's), (38, 13801), (47, 13900), (81, 14233), (115, 14434), (118, 14449), (137, 14509), (145, 14557), (150, 14587), (163, 14704), (164, 14710), (179, 14803), (196, 14884), (213, 14977), (214, 14992), (221, 15040), (227, 15064), (237, 15112), (239, 15136), (245, 15184), (254, 15226), (272, 15361), (275, 15382), (282, 15427), (285, 15442), (294, 15511), (302, 15544),

Gene: Stultus_20 Start: 14947, Stop: 16842, Start Num: 24

Candidate Starts for Stultus_20:

(Start: 24 @14947 has 110 MA's), (54, 15178), (58, 15196), (83, 15451), (109, 15589), (119, 15658), (130, 15691), (165, 15916), (167, 15922), (175, 15985), (178, 15997), (179, 16000), (180, 16012), (198, 16099), (218, 16222), (223, 16258), (246, 16402), (256, 16453), (274, 16597), (275, 16600), (276, 16603), (283, 16651), (290, 16708), (313, 16825),

Gene: Sunny_ Start: 13998, Stop: 15890, Start Num: 15

Candidate Starts for Sunny_:

(10, 13962), (11, 13968), (14, 13995), (Start: 15 @13998 has 2 MA's), (Start: 20 @14052 has 52 MA's), (63, 14373), (97, 14610), (106, 14655), (112, 14691), (129, 14760), (137, 14781), (138, 14784), (146, 14835), (151, 14868), (157, 14934), (169, 15015), (194, 15156), (219, 15321), (222, 15345), (244, 15471), (263, 15585), (264, 15600), (273, 15636), (276, 15648), (280, 15678), (282, 15690), (285, 15705), (305, 15831),

Gene: TP1604_13 Start: 13751, Stop: 15445, Start Num: 33

Candidate Starts for TP1604_13:

(Start: 33 @13751 has 45 MA's), (36, 13760), (46, 13862), (63, 13994), (65, 14018), (78, 14114), (96, 14195), (105, 14240), (107, 14249), (113, 14282), (117, 14309), (118, 14312), (136, 14360), (142, 14393), (143, 14396), (148, 14435), (150, 14441), (157, 14519), (161, 14552), (176, 14642), (195, 14717), (198, 14732), (208, 14798), (211, 14810), (212, 14813), (232, 14930), (238, 14963), (242, 15005), (260, 15122), (275, 15218), (284, 15275), (288, 15296), (292, 15338), (294, 15344), (302, 15377), (305, 15401), (311, 15419), (314, 15434),

Gene: Tangent_18 Start: 14140, Stop: 16047, Start Num: 24

Candidate Starts for Tangent_18:

(Start: 24 @14140 has 110 MA's), (54, 14371), (58, 14389), (83, 14656), (109, 14794), (119, 14863), (130, 14896), (165, 15121), (167, 15127), (175, 15190), (178, 15202), (179, 15205), (180, 15217), (198, 15304), (206, 15358), (218, 15427), (223, 15463), (246, 15607), (256, 15658), (274, 15802), (275, 15805), (276, 15808), (283, 15856), (290, 15913),

Gene: Tangerine_20 Start: 14448, Stop: 16355, Start Num: 24

Candidate Starts for Tangerine_20:

(Start: 24 @14448 has 110 MA's), (41, 14583), (54, 14679), (83, 14961), (95, 15030), (102, 15078), (109, 15102), (114, 15138), (119, 15171), (126, 15195), (149, 15288), (165, 15429), (167, 15435), (175, 15498), (178, 15510), (179, 15513), (180, 15525), (198, 15612), (218, 15735), (223, 15771), (240, 15876), (246, 15915), (256, 15966), (273, 16104), (274, 16110), (275, 16113), (283, 16164), (290, 16221), (291, 16233), (294, 16242), (314, 16341),

Gene: Tank_20 Start: 13083, Stop: 14846, Start Num: 33

Candidate Starts for Tank_20:

(22, 13017), (Start: 33 @13083 has 45 MA's), (86, 13521), (98, 13590), (103, 13614), (117, 13683), (140, 13764), (155, 13872), (159, 13923), (160, 13935), (162, 13944), (198, 14136), (200, 14145), (201, 14148), (211, 14214), (214, 14235), (215, 14241), (218, 14259), (239, 14370), (248, 14430), (256, 14469), (260, 14511), (276, 14604), (281, 14643), (307, 14796),

Gene: Tardus_22 Start: 14807, Stop: 16726, Start Num: 24

Candidate Starts for Tardus_22:

(Start: 24 @14807 has 110 MA's), (51, 15023), (53, 15035), (54, 15038), (67, 15212), (88, 15326), (92, 15350), (93, 15359), (101, 15425), (104, 15431), (114, 15485), (118, 15509), (162, 15761), (165, 15779), (167, 15785), (175, 15848), (178, 15860), (179, 15863), (180, 15875), (198, 15965), (203, 15992), (230, 16151), (241, 16229), (258, 16325), (277, 16514), (290, 16598), (293, 16616), (300, 16646),

Gene: Teamocil_28 Start: 13248, Stop: 15266, Start Num: 20

Candidate Starts for Teamocil_28:

(Start: 20 @13248 has 52 MA's), (73, 13716), (97, 13830), (104, 13869), (112, 13911), (116, 13935), (129, 13980), (137, 14001), (138, 14004), (141, 14019), (148, 14073), (157, 14154), (167, 14214), (183, 14358), (185, 14376), (194, 14544), (195, 14568), (218, 14706), (222, 14733), (243, 14844), (263, 14973), (264, 14988), (273, 15024), (276, 15036), (280, 15066), (285, 15093), (302, 15195),

Gene: Teehee_26 Start: 14727, Stop: 16559, Start Num: 34

Candidate Starts for Teehee_26:

(Start: 34 @14727 has 35 MA's), (38, 14736), (47, 14835), (89, 15201), (115, 15369), (118, 15384), (137, 15444), (145, 15492), (146, 15498), (150, 15522), (163, 15639), (164, 15645), (179, 15738), (196, 15819), (213, 15912), (214, 15927), (221, 15975), (227, 15999), (237, 16047), (239, 16071), (245, 16119), (254, 16161), (272, 16296), (273, 16308), (275, 16317), (285, 16377), (294, 16446), (302, 16479),

Gene: Tempo_24 Start: 13050, Stop: 14828, Start Num: 33

Candidate Starts for Tempo_24:

(Start: 33 @13050 has 45 MA's), (38, 13062), (69, 13404), (94, 13521), (115, 13647), (145, 13761), (150, 13791), (179, 14004), (196, 14085), (198, 14094), (211, 14172), (213, 14178), (214, 14193), (239, 14337), (244, 14379), (254, 14430), (273, 14577), (275, 14586), (298, 14736), (302, 14748),

Gene: Terij_23 Start: 13292, Stop: 15169, Start Num: 20

Candidate Starts for Terij_23:

(Start: 20 @13292 has 52 MA's), (97, 13889), (104, 13928), (112, 13970), (137, 14060), (149, 14129), (168, 14282), (191, 14402), (205, 14519), (222, 14618), (228, 14633), (234, 14669), (236, 14675), (243, 14729), (252, 14786), (256, 14801), (258, 14813), (263, 14858), (273, 14921), (280, 14963), (296, 15071),

Gene: Thing3_21 Start: 15684, Stop: 17591, Start Num: 24

Candidate Starts for Thing3_21:

(Start: 24 @15684 has 110 MA's), (54, 15915), (58, 15933), (83, 16200), (109, 16338), (119, 16407), (130, 16440), (165, 16665), (167, 16671), (175, 16734), (178, 16746), (179, 16749), (180, 16761), (198, 16848), (206, 16902), (218, 16971), (223, 17007), (246, 17151), (256, 17202), (274, 17346), (275, 17349), (276, 17352), (283, 17400), (290, 17457),

Gene: Tiamoceli_21 Start: 14601, Stop: 16490, Start Num: 24

Candidate Starts for Tiamoceli_21:

(21, 14592), (Start: 24 @14601 has 110 MA's), (35, 14667), (54, 14835), (58, 14853), (86, 15126), (102, 15222), (146, 15414), (148, 15429), (156, 15507), (167, 15576), (175, 15639), (178, 15651), (179, 15654), (195, 15738), (198, 15753), (214, 15852), (223, 15906), (240, 16011), (256, 16101), (265, 16182), (273, 16239), (286, 16320), (290, 16356), (303, 16422),

Gene: TillyBobJoe_19 Start: 11638, Stop: 13524, Start Num: 24

Candidate Starts for TillyBobJoe_19:

(Start: 24 @11638 has 110 MA's), (55, 11875), (58, 11887), (60, 11941), (115, 12322), (121, 12355), (131, 12382), (192, 12748), (194, 12760), (211, 12877), (218, 12922), (219, 12925), (232, 12985),

(234, 13003), (240, 13048), (242, 13060), (243, 13063), (262, 13183), (266, 13222), (275, 13282), (286, 13354), (289, 13384), (293, 13408), (299, 13435), (300, 13438), (304, 13465),

Gene: Tissue_25 Start: 14292, Stop: 16115, Start Num: 34

Candidate Starts for Tissue_25:

(Start: 34 @14292 has 35 MA's), (38, 14301), (47, 14400), (81, 14724), (115, 14925), (118, 14940), (137, 15000), (145, 15048), (150, 15078), (163, 15195), (164, 15201), (179, 15294), (196, 15375), (213, 15468), (214, 15483), (221, 15531), (227, 15555), (237, 15603), (239, 15627), (245, 15675), (254, 15717), (272, 15852), (275, 15873), (285, 15933), (294, 16002), (302, 16035),

Gene: Togo_19 Start: 11842, Stop: 13740, Start Num: 24

Candidate Starts for Togo_19:

(Start: 24 @11842 has 110 MA's), (55, 12079), (58, 12091), (60, 12145), (86, 12376), (115, 12538), (121, 12571), (167, 12835), (192, 12964), (194, 12976), (211, 13093), (218, 13138), (219, 13141), (232, 13201), (234, 13219), (238, 13234), (240, 13264), (242, 13276), (243, 13279), (262, 13399), (266, 13438), (275, 13498), (286, 13570), (289, 13600), (293, 13624), (299, 13651), (300, 13654), (304, 13681),

Gene: TurkishDelight_17 Start: 12983, Stop: 14710, Start Num: 33

Candidate Starts for TurkishDelight_17:

(28, 12944), (Start: 33 @12983 has 45 MA's), (44, 13091), (48, 13139), (49, 13148), (60, 13241), (87, 13418), (107, 13514), (136, 13625), (172, 13889), (174, 13898), (182, 13940), (199, 14003), (211, 14075), (212, 14078), (214, 14096), (232, 14177), (233, 14189), (238, 14210), (243, 14255), (260, 14369), (265, 14405), (283, 14516), (284, 14522), (294, 14594), (296, 14606), (310, 14669),

Gene: Twister6_21 Start: 12280, Stop: 14166, Start Num: 24

Candidate Starts for Twister6_21:

(Start: 24 @12280 has 110 MA's), (55, 12517), (58, 12529), (60, 12583), (86, 12805), (115, 12967), (121, 13000), (167, 13252), (177, 13324), (192, 13381), (194, 13393), (211, 13510), (218, 13555), (219, 13558), (240, 13681), (242, 13693), (252, 13753), (273, 13906), (275, 13915), (286, 13987), (289, 14017), (303, 14089), (308, 14113),

Gene: Twonlo_18 Start: 13218, Stop: 15107, Start Num: 24

Candidate Starts for Twonlo_18:

(21, 13209), (Start: 24 @13218 has 110 MA's), (35, 13284), (54, 13452), (58, 13470), (86, 13743), (102, 13839), (146, 14031), (148, 14046), (156, 14124), (167, 14193), (175, 14256), (178, 14268), (179, 14271), (195, 14355), (198, 14370), (214, 14469), (223, 14523), (240, 14628), (256, 14718), (265, 14799), (273, 14856), (285, 14925), (286, 14937), (290, 14973), (303, 15039),

Gene: Tycho_20 Start: 14565, Stop: 16484, Start Num: 24

Candidate Starts for Tycho_20:

(Start: 24 @14565 has 110 MA's), (41, 14700), (54, 14796), (83, 15090), (95, 15159), (102, 15207), (109, 15231), (114, 15267), (119, 15300), (126, 15324), (149, 15417), (165, 15558), (167, 15564), (175, 15627), (178, 15639), (179, 15642), (180, 15654), (198, 15741), (218, 15864), (223, 15900), (230, 15933), (240, 16005), (246, 16044), (256, 16095), (273, 16233), (274, 16239), (275, 16242), (283, 16293), (290, 16350), (291, 16362), (294, 16371),

Gene: Tyrumbra_25 Start: 12826, Stop: 14847, Start Num: 20

Candidate Starts for Tyrumbra_25:

(Start: 20 @12826 has 52 MA's), (97, 13411), (112, 13492), (116, 13516), (129, 13561), (137, 13582), (157, 13735), (187, 13993), (189, 14065), (194, 14125), (195, 14149), (218, 14287), (221, 14311), (222, 14314), (243, 14425), (263, 14554), (264, 14569), (265, 14578), (273, 14605), (276, 14617), (280, 14647), (285, 14674), (302, 14776),

Gene: Valary_22 Start: 12733, Stop: 14619, Start Num: 24

Candidate Starts for Valary_22:

(Start: 24 @12733 has 110 MA's), (55, 12970), (58, 12982), (60, 13036), (86, 13258), (115, 13420), (121, 13453), (167, 13705), (177, 13777), (192, 13834), (194, 13846), (211, 13963), (218, 14008), (219, 14011), (240, 14134), (242, 14146), (252, 14206), (273, 14359), (275, 14368), (286, 14440), (289, 14470), (303, 14542), (308, 14566),

Gene: VanDeWege_22 Start: 12661, Stop: 14547, Start Num: 24

Candidate Starts for VanDeWege_22:

(Start: 24 @12661 has 110 MA's), (55, 12898), (58, 12910), (60, 12964), (86, 13186), (115, 13348), (121, 13381), (167, 13633), (177, 13705), (192, 13762), (194, 13774), (211, 13891), (218, 13936), (219, 13939), (240, 14062), (242, 14074), (252, 14134), (273, 14287), (275, 14296), (286, 14368), (289, 14398), (303, 14470), (308, 14494),

Gene: Verity_21 Start: 14990, Stop: 16909, Start Num: 24

Candidate Starts for Verity_21:

(Start: 24 @14990 has 110 MA's), (39, 15089), (51, 15206), (53, 15218), (54, 15221), (67, 15395), (88, 15509), (93, 15542), (101, 15608), (104, 15614), (114, 15668), (118, 15692), (128, 15728), (162, 15944), (165, 15962), (167, 15968), (175, 16031), (178, 16043), (179, 16046), (180, 16058), (198, 16148), (203, 16175), (230, 16334), (241, 16412), (247, 16448), (258, 16508), (263, 16553), (273, 16664), (277, 16697), (290, 16781), (293, 16799), (300, 16829),

Gene: ViaConlectus_22 Start: 15542, Stop: 17461, Start Num: 24

Candidate Starts for ViaConlectus_22:

(Start: 24 @15542 has 110 MA's), (51, 15758), (54, 15773), (67, 15947), (93, 16094), (101, 16160), (104, 16166), (114, 16220), (118, 16244), (123, 16268), (162, 16496), (165, 16514), (167, 16520), (175, 16583), (178, 16595), (179, 16598), (180, 16610), (198, 16700), (203, 16727), (230, 16886), (241, 16964), (258, 17060), (262, 17096), (267, 17159), (269, 17189), (273, 17216), (277, 17249), (290, 17333), (299, 17378),

Gene: Viceroy_24 Start: 13492, Stop: 15324, Start Num: 34

Candidate Starts for Viceroy_24:

(Start: 34 @13492 has 35 MA's), (38, 13501), (47, 13600), (89, 13966), (115, 14134), (118, 14149), (137, 14209), (145, 14257), (146, 14263), (150, 14287), (163, 14404), (164, 14410), (179, 14503), (196, 14584), (213, 14677), (214, 14692), (221, 14740), (227, 14764), (237, 14812), (239, 14836), (245, 14884), (254, 14926), (272, 15061), (273, 15073), (275, 15082), (285, 15142), (294, 15211), (302, 15244),

Gene: Vivi2_20 Start: 15311, Stop: 17209, Start Num: 24

Candidate Starts for Vivi2_20:

(Start: 24 @15311 has 110 MA's), (54, 15542), (58, 15560), (83, 15818), (109, 15956), (119, 16025), (130, 16058), (165, 16283), (167, 16289), (175, 16352), (178, 16364), (179, 16367), (180, 16379), (198, 16466), (218, 16589), (223, 16625), (246, 16769), (256, 16820), (274, 16964), (275, 16967), (276, 16970), (283, 17018), (290, 17075),

Gene: Wayne3_26 Start: 14457, Stop: 16289, Start Num: 34

Candidate Starts for Wayne3_26:

(Start: 34 @14457 has 35 MA's), (38, 14466), (47, 14565), (89, 14931), (115, 15099), (118, 15114), (137, 15174), (145, 15222), (146, 15228), (150, 15252), (163, 15369), (164, 15375), (179, 15468), (196, 15549), (213, 15642), (214, 15657), (221, 15705), (227, 15729), (237, 15777), (239, 15801), (245, 15849), (254, 15891), (272, 16026), (273, 16038), (275, 16047), (285, 16107), (294, 16176), (302, 16209),

Gene: WheelerS25_30 Start: 15293, Stop: 17119, Start Num: 34

Candidate Starts for WheelerS25_30:

(Start: 34 @15293 has 35 MA's), (38, 15302), (47, 15401), (81, 15728), (89, 15761), (115, 15929), (118, 15944), (137, 16004), (145, 16052), (146, 16058), (150, 16082), (162, 16196), (163, 16199), (164, 16205), (179, 16298), (196, 16379), (213, 16472), (214, 16487), (221, 16535), (227, 16559), (237, 16607), (239, 16631), (245, 16679), (254, 16721), (272, 16856), (275, 16877), (285, 16937), (294, 17006), (302, 17039),

Gene: Wheelie_24 Start: 13808, Stop: 15640, Start Num: 34

Candidate Starts for Wheelie_24:

(Start: 34 @13808 has 35 MA's), (38, 13817), (47, 13916), (89, 14282), (115, 14450), (118, 14465), (137, 14525), (145, 14573), (146, 14579), (150, 14603), (163, 14720), (164, 14726), (179, 14819), (196, 14900), (213, 14993), (214, 15008), (221, 15056), (227, 15080), (237, 15128), (239, 15152), (245, 15200), (254, 15242), (272, 15377), (273, 15389), (275, 15398), (285, 15458), (294, 15527), (302, 15560),

Gene: Wilca_24 Start: 12993, Stop: 14771, Start Num: 33

Candidate Starts for Wilca_24:

(Start: 33 @12993 has 45 MA's), (38, 13005), (69, 13350), (94, 13464), (115, 13590), (137, 13656), (145, 13704), (150, 13734), (179, 13947), (196, 14028), (198, 14037), (211, 14115), (213, 14121), (214, 14136), (239, 14280), (244, 14322), (254, 14373), (273, 14520), (275, 14529), (298, 14679), (302, 14691), (312, 14751),

Gene: Wilde_20 Start: 13011, Stop: 14774, Start Num: 33

Candidate Starts for Wilde_20:

(22, 12945), (Start: 33 @13011 has 45 MA's), (86, 13449), (98, 13518), (103, 13542), (117, 13611), (140, 13692), (155, 13800), (159, 13851), (160, 13863), (162, 13872), (198, 14064), (200, 14073), (201, 14076), (211, 14142), (214, 14163), (215, 14169), (218, 14187), (239, 14298), (248, 14358), (256, 14397), (260, 14439), (276, 14532), (281, 14571), (307, 14724),

Gene: Wizard_19 Start: 11982, Stop: 13874, Start Num: 24

Candidate Starts for Wizard_19:

(Start: 24 @11982 has 110 MA's), (55, 12219), (58, 12231), (60, 12285), (86, 12510), (115, 12672), (121, 12705), (131, 12732), (192, 13098), (194, 13110), (211, 13227), (218, 13272), (219, 13275), (232, 13335), (234, 13353), (240, 13398), (242, 13410), (243, 13413), (262, 13533), (266, 13572), (275, 13632), (286, 13704), (289, 13734), (293, 13758), (299, 13785), (300, 13788), (304, 13815),

Gene: Xkcd426_14 Start: 14736, Stop: 16433, Start Num: 33

Candidate Starts for Xkcd426_14:

(31, 14721), (Start: 33 @14736 has 45 MA's), (44, 14823), (61, 14970), (70, 15072), (85, 15117), (105, 15210), (107, 15219), (109, 15225), (118, 15282), (135, 15327), (136, 15330), (144, 15369), (150, 15411), (161, 15522), (205, 15771), (206, 15774), (211, 15798), (217, 15831), (225, 15870), (226, 15876), (238, 15939), (242, 15981), (246, 16008), (247, 16011), (253, 16047), (284, 16257), (292, 16320), (295, 16335), (300, 16353),

Gene: YDN12_14 Start: 13688, Stop: 15382, Start Num: 33

Candidate Starts for YDN12_14:

(Start: 33 @13688 has 45 MA's), (36, 13697), (46, 13799), (65, 13955), (78, 14051), (96, 14132), (105, 14177), (107, 14186), (113, 14219), (117, 14246), (118, 14249), (136, 14297), (142, 14330), (143, 14333), (148, 14372), (150, 14378), (155, 14420), (161, 14489), (198, 14669), (208, 14735), (211, 14747), (232, 14867), (238, 14900), (242, 14942), (260, 15059), (275, 15155), (284, 15212), (292, 15275), (294, 15281), (302, 15314), (305, 15338), (311, 15356), (314, 15371),

Gene: Yeti_27 Start: 13790, Stop: 15646, Start Num: 20

Candidate Starts for Yeti_27:

(Start: 20 @13790 has 52 MA's), (97, 14366), (106, 14411), (112, 14447), (129, 14516), (137, 14537), (138, 14540), (143, 14570), (157, 14690), (169, 14771), (191, 14885), (194, 14912), (222, 15101), (244, 15227), (263, 15341), (264, 15356), (276, 15404), (280, 15434), (282, 15446), (285, 15461), (287, 15476), (293, 15527), (297, 15545), (302, 15563),

Gene: YorkOnyx_21 Start: 14834, Stop: 16753, Start Num: 24

Candidate Starts for YorkOnyx_21:

(Start: 24 @14834 has 110 MA's), (41, 14969), (54, 15065), (83, 15359), (95, 15428), (102, 15476), (109, 15500), (114, 15536), (119, 15569), (126, 15593), (149, 15686), (165, 15827), (167, 15833), (175, 15896), (178, 15908), (179, 15911), (180, 15923), (192, 15959), (195, 15995), (198, 16010), (206, 16064), (218, 16133), (223, 16169), (230, 16202), (240, 16274), (246, 16313), (256, 16364), (273, 16502), (274, 16508), (275, 16511), (283, 16562), (290, 16619), (291, 16631), (294, 16640),

Gene: YungMoney_21 Start: 13292, Stop: 15184, Start Num: 24

Candidate Starts for YungMoney_21:

(Start: 24 @13292 has 110 MA's), (55, 13529), (58, 13541), (60, 13595), (115, 13982), (121, 14015), (130, 14039), (167, 14279), (192, 14408), (194, 14420), (197, 14456), (211, 14537), (218, 14582), (219, 14585), (232, 14645), (240, 14708), (242, 14720), (275, 14942), (286, 15014), (289, 15044), (293, 15068), (299, 15095), (300, 15098),

Gene: Zagie_25 Start: 13996, Stop: 15828, Start Num: 34

Candidate Starts for Zagie_25:

(Start: 34 @13996 has 35 MA's), (38, 14005), (47, 14104), (89, 14470), (115, 14638), (118, 14653), (137, 14713), (145, 14761), (146, 14767), (150, 14791), (163, 14908), (164, 14914), (179, 15007), (196, 15088), (213, 15181), (214, 15196), (221, 15244), (227, 15268), (237, 15316), (239, 15340), (245, 15388), (254, 15430), (272, 15565), (273, 15577), (275, 15586), (285, 15646), (294, 15715), (302, 15748),

Gene: Zapato_26 Start: 13457, Stop: 15301, Start Num: 20

Candidate Starts for Zapato_26:

(Start: 20 @13457 has 52 MA's), (97, 14024), (106, 14069), (112, 14105), (129, 14174), (137, 14195), (138, 14198), (157, 14348), (163, 14387), (194, 14570), (195, 14594), (218, 14732), (222, 14759), (250, 14915), (263, 14999), (264, 15014), (265, 15023), (273, 15050), (276, 15062), (279, 15089), (280, 15092), (287, 15134),

Gene: Zhafia_27 Start: 14319, Stop: 16151, Start Num: 34

Candidate Starts for Zhafia_27:

(Start: 34 @14319 has 35 MA's), (38, 14328), (47, 14427), (89, 14793), (115, 14961), (118, 14976), (137, 15036), (145, 15084), (146, 15090), (150, 15114), (163, 15231), (164, 15237), (179, 15330), (196, 15411), (213, 15504), (214, 15519), (221, 15567), (227, 15591), (237, 15639), (239, 15663), (245, 15711), (254, 15753), (272, 15888), (273, 15900), (275, 15909), (285, 15969), (294, 16038), (302, 16071),

Gene: Zipp_21 Start: 15639, Stop: 17558, Start Num: 24

Candidate Starts for Zipp_21:

(Start: 24 @15639 has 110 MA's), (39, 15738), (51, 15855), (53, 15867), (54, 15870), (67, 16044), (88, 16158), (93, 16191), (101, 16257), (104, 16263), (114, 16317), (118, 16341), (128, 16377), (162, 16593), (165, 16611), (167, 16617), (175, 16680), (178, 16692), (179, 16695), (180, 16707), (198, 16797), (203, 16824), (230, 16983), (241, 17061), (247, 17097), (258, 17157), (263, 17202), (273, 17313), (277, 17346), (290, 17430), (293, 17448), (300, 17478),

Gene: Zitch_23 Start: 14769, Stop: 16688, Start Num: 24

Candidate Starts for Zitch_23:

(Start: 24 @14769 has 110 MA's), (51, 14988), (53, 15000), (54, 15003), (60, 15075), (67, 15177), (93, 15324), (101, 15390), (104, 15396), (114, 15450), (118, 15474), (123, 15498), (162, 15726), (165, 15744), (167, 15750), (175, 15813), (178, 15825), (179, 15828), (180, 15840), (198, 15930), (203, 15957), (230, 16116), (241, 16194), (258, 16290), (290, 16560), (293, 16578), (300, 16608),