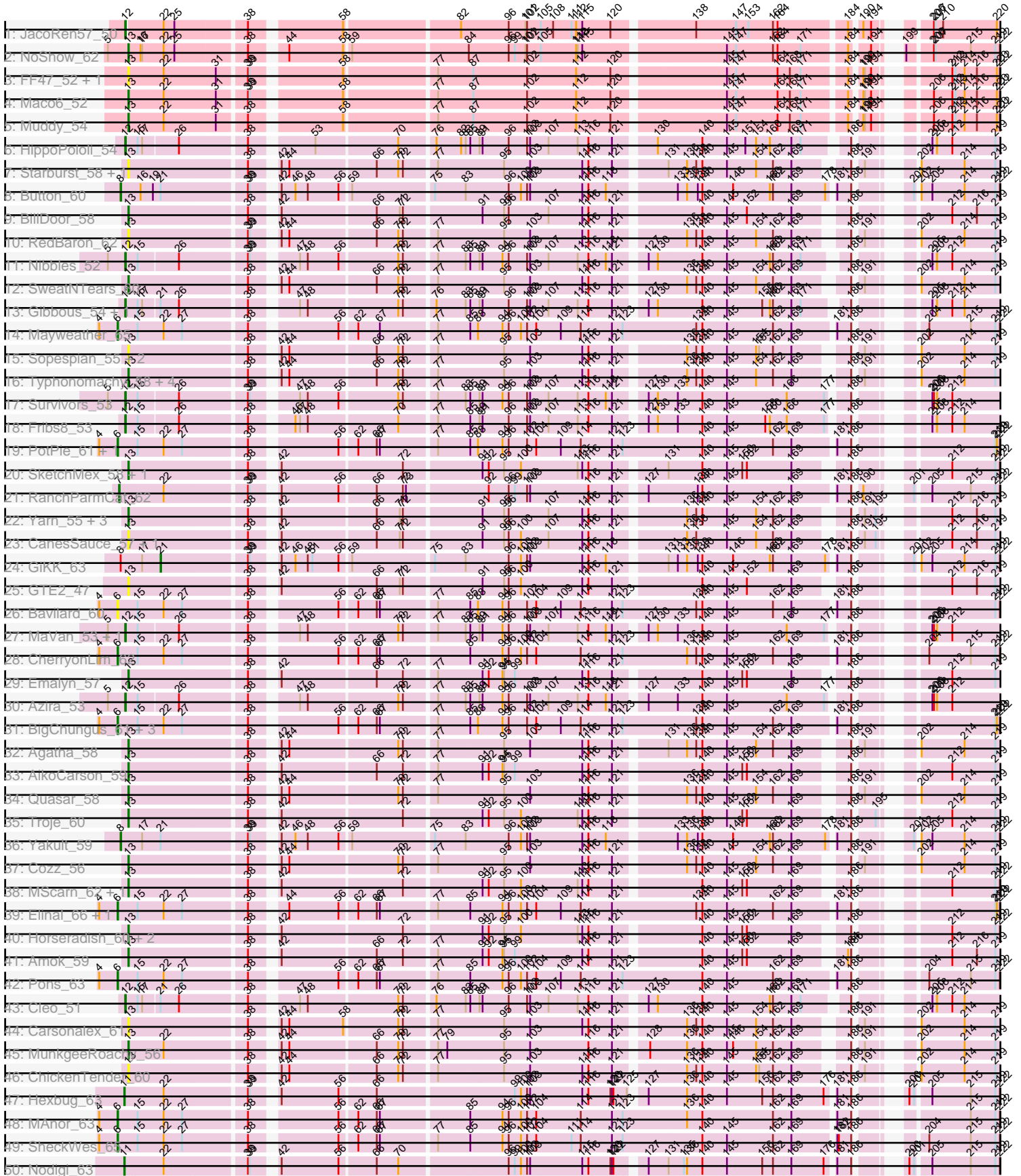
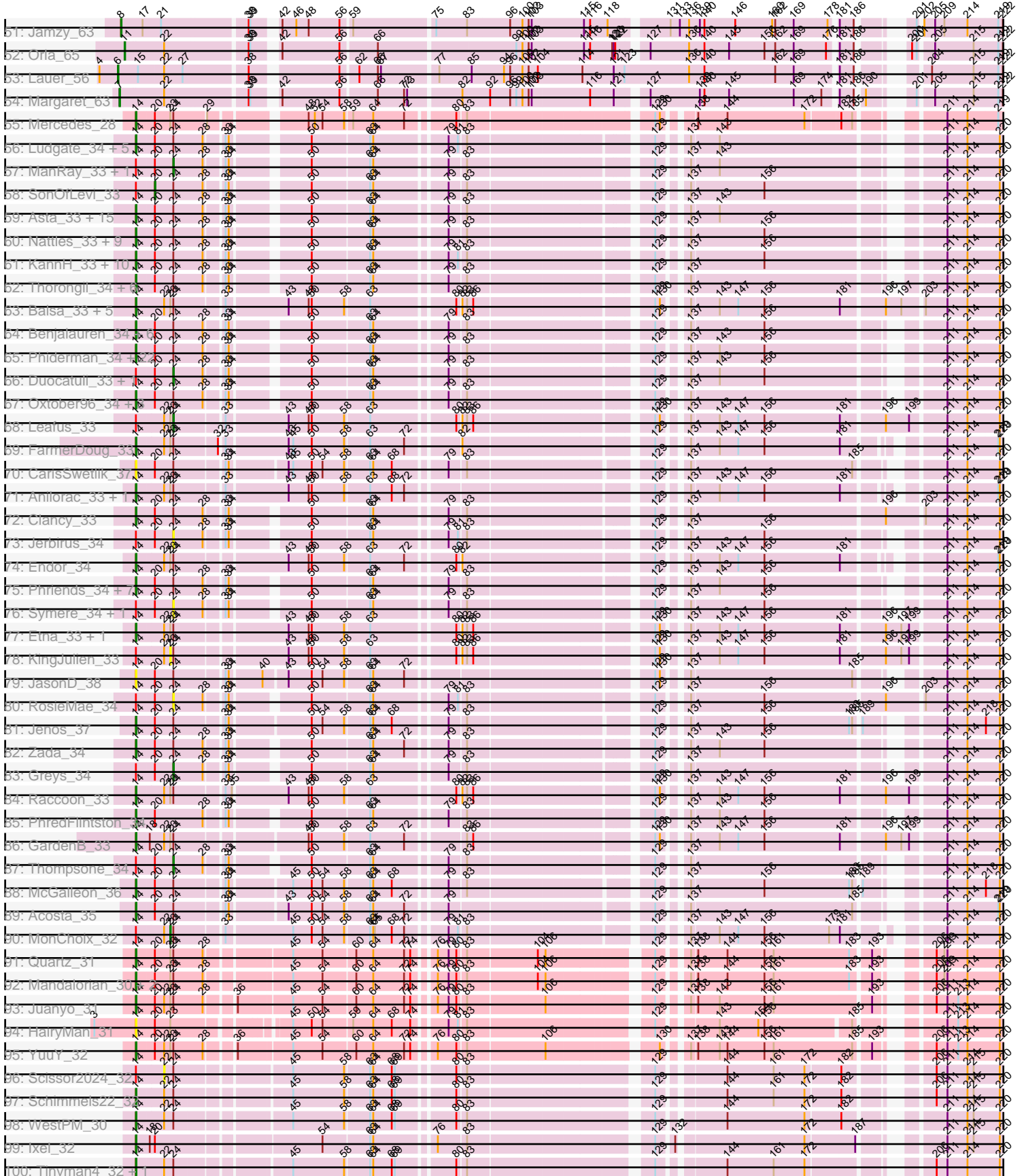


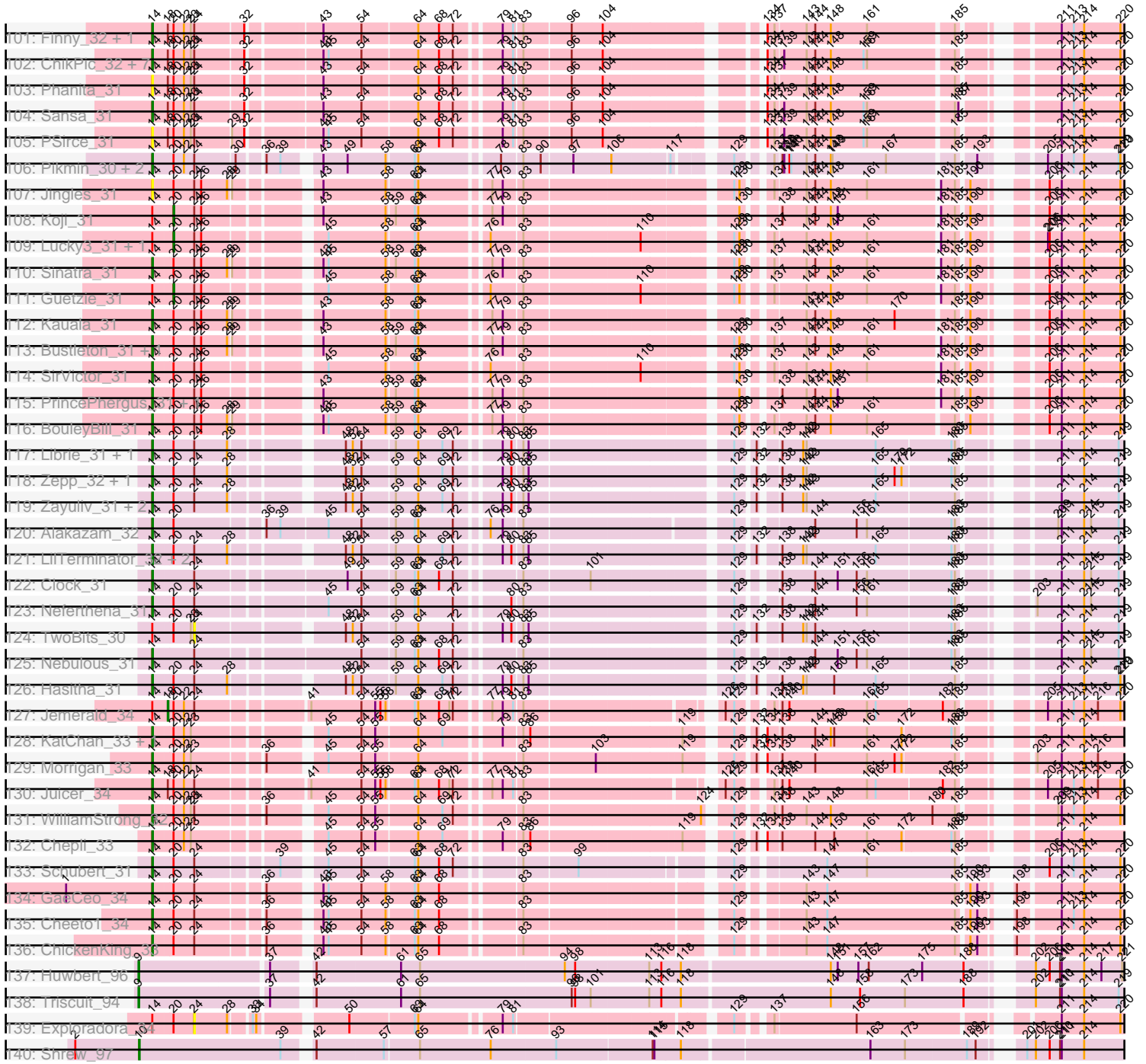
Zoomed Pham 210763



Zoomed Pham 210763



Zoomed Pham 210763



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 210763 Report

This analysis was run 02/22/25 on database version 588.

Pham number 210763 has 279 members, 39 are drafts.

Phages represented in each track:

- Track 1 : JacoRen57_50
- Track 2 : NoShow_62
- Track 3 : FF47_52, 8UZL_54
- Track 4 : Maco6_52
- Track 5 : Muddy_54
- Track 6 : HippoPololi_54
- Track 7 : Starburst_58, GoldHunter_59
- Track 8 : Button_60
- Track 9 : BillDoor_58
- Track 10 : RedBaron_62
- Track 11 : Nibbles_52
- Track 12 : SweatNTears_60
- Track 13 : Gibbous_54, Dre3_54
- Track 14 : Mayweather_65
- Track 15 : Sopespian_55, PsychoKiller_57, Elliott_58
- Track 16 : Typhonomachy_58, Socotra_59, Axym_57, Burnsey_58, Nina_58
- Track 17 : Survivors_53
- Track 18 : Fribs8_53
- Track 19 : PotPie_61, SummitAcademy_61
- Track 20 : SketchMex_58, Biskit_60
- Track 21 : RanchParmCat_62
- Track 22 : Yarn_55, AndPeggy_55, SteamedHams_59, Tolls_59
- Track 23 : CanesSauce_57, ChocoMunchkin_57
- Track 24 : GiKK_63
- Track 25 : GTE2_47
- Track 26 : Bavidard_60
- Track 27 : MaVan_53, Zareef_55
- Track 28 : CherryonLim_62
- Track 29 : Emalyn_57
- Track 30 : Azira_53
- Track 31 : BigChungus_61, Feastonyeet_61, Yucky_65, Vine_64
- Track 32 : Agatha_58
- Track 33 : AikoCarson_59
- Track 34 : Quasar_58
- Track 35 : Troje_60
- Track 36 : Yakult_59
- Track 37 : Cozz_56

- Track 38 : MScarn_62, Blondies_60
- Track 39 : Elinal_66, KayGee_64
- Track 40 : Horseradish_60, Yummy_60, Buttrmlkdreams_60
- Track 41 : Amok_59
- Track 42 : Pons_63
- Track 43 : Cleo_51
- Track 44 : Carsonalex_61
- Track 45 : MunkgeeRoachy_56
- Track 46 : ChickenTender_60
- Track 47 : Hexbug_63
- Track 48 : MAnor_63
- Track 49 : SheckWes_65
- Track 50 : Nodigi_63
- Track 51 : Jamzy_63
- Track 52 : Orla_65
- Track 53 : Lauer_56
- Track 54 : Margaret_63
- Track 55 : Mercedes_28
- Track 56 : Ludgate_34, Nagem_34, Alyxandracam_34, Bandik_34, SJay_34, loannes_34
- Track 57 : ManRay_33, Christoph_33
- Track 58 : SonOfLevi_33
- Track 59 : Asta_33, Blage_34, TeddyBear_33, BigRedClifford_34, BeautPeep30_34, Raptor_34, Espinosa_33, Gargoyle_34, BonesMcCoy_34, Gershwin_33, ShaiHulud_34, Aubergine_33, Tenda_33, Convict_34, Knox_34, Oats_33
- Track 60 : Nattles_33, Etta_33, Erla_33, Klimt_33, Calix_33, Kale_33, Chamuel_33, Pocket_33, Bonino_33, Gelo_33
- Track 61 : KannH_33, HankSprout_34, StirfryIV_33, Chako_33, Gubbabump_33, Winzigespinne_33, AranulaLuti_33, JasperRussell_33, Baines_33, Rog141_33, HanSolo_33
- Track 62 : Thorongil_34, AxiPup_34, Teagan_34, Vispistious_34, PuppyEggo_34, Strathdee_34, WildNOut_34
- Track 63 : Balsa_33, Hamlet_33, Peppino_33, Redfield_33, BeeBee8_34, Schnapsidee_33
- Track 64 : Benjalaren_34, Ilzat_33, HungryHenry_33, Papafritta_33, Sedgewig_33, StingRay_33, Janus167_33
- Track 65 : Phiderman_34, Inventa_34, MrWorldwide_34, MillyPhilly_34, Phireproof_34, Robinson_34, TatarkaPM_34, Antoinette_34, TinSulphur_34, Rappheph_34, Stanktossa_34, Byron23_34, ParleG_34, Superfresh_34, Peep_34, NickSell_34, Pherferi_34, Shee_34, Martin_35, AlexAdler_34, Dave_34, Dothraki_34, Renzie_34
- Track 66 : Duocatuli_33, Kurt1_34
- Track 67 : Oxtober96_34, Den3_34, Velene_34, Lovelyunicorn_34
- Track 68 : Leafus_33
- Track 69 : FarmerDoug_33
- Track 70 : CarisSwetlik_37
- Track 71 : Anilorac_33, Agente005_34
- Track 72 : Clancy_33
- Track 73 : Jerbirus_34
- Track 74 : Endor_34
- Track 75 : Phriends_34, MaeLinda_34, Delphidian_34, Garey24_33, SoilGremlin_34, Riyhil_34, OldNelly_34, Figueroism_34

- Track 76 : Symere_34, JeriBeth_34
- Track 77 : Etna_33, Stormbreaker8_33
- Track 78 : KingJulien_33
- Track 79 : JasonD_38
- Track 80 : RosieMae_34
- Track 81 : Jenos_37
- Track 82 : Zada_34
- Track 83 : Greys_34
- Track 84 : Raccoon_33
- Track 85 : PhredFlintston_34
- Track 86 : GardenB_33
- Track 87 : Thompsone_34
- Track 88 : McGalleon_36
- Track 89 : Acosta_35
- Track 90 : MonChoix_32
- Track 91 : Quartz_31
- Track 92 : Mandalorian_30, Nucci_30, Carostasia_30
- Track 93 : Juanyo_31
- Track 94 : HairyMan_31
- Track 95 : YuuY_32
- Track 96 : Scissor2024_32
- Track 97 : Schimmels22_32
- Track 98 : WestPM_30
- Track 99 : Ixel_32
- Track 100 : Tinyman4_32, HerculesXL_32
- Track 101 : Finny_32, MCubed_32
- Track 102 : ChikPic_32, Glamour_31, Andromedas_32, Eleri_32, Shamu_32, ColaCorta_32, Saratos_32, Zenitsu_32
- Track 103 : Phanita_31
- Track 104 : Sansa_31
- Track 105 : PSirce_31
- Track 106 : Pikmin_30, Pajaza_30, Casey_30
- Track 107 : Jingles_31
- Track 108 : Koji_31
- Track 109 : Lucky3_31, Golden_31
- Track 110 : Sinatra_31
- Track 111 : Guetzie_31
- Track 112 : Kauala_31
- Track 113 : Bustleton_31, Pherbot_31
- Track 114 : SirVictor_31
- Track 115 : PrincePhergus_31, RenegadeRaider_32
- Track 116 : BouleyBill_31
- Track 117 : Librie_31, CaptainRex_31
- Track 118 : Zepp_32, QuadZero_31
- Track 119 : Zayuliv_31, Wardwill_33, Fulton_31
- Track 120 : Alakazam_32
- Track 121 : LilTerminator_32, Greenlvy_31, BaronJohn_32
- Track 122 : Clock_31
- Track 123 : Neferthena_31
- Track 124 : TwoBits_30
- Track 125 : Nebulous_31
- Track 126 : Hasitha_31
- Track 127 : Jemerald_34

- Track 128 : KatChan_33, Luna18_33
- Track 129 : Morrigan_33
- Track 130 : Juicer_34
- Track 131 : WilliamStrong_32
- Track 132 : Chepli_33
- Track 133 : Schubert_31
- Track 134 : GaeCeo_34
- Track 135 : Cheeto1_34
- Track 136 : ChickenKing_33
- Track 137 : Huwbert_96
- Track 138 : Triscuit_94
- Track 139 : Exploradora_34
- Track 140 : Shrew_97

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

The start number called the most often in the published annotations is 14, it was called in 165 of the 240 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acosta_35, Agente005_34, Alakazam_32, AlexAdler_34, Alyxandracam_34, Andromedas_32, Anilorac_33, Antoinette_34, AranulaLuti_33, Asta_33, Aubergine_33, AxiPup_34, Baines_33, Balsa_33, Bandik_34, BaronJohn_32, BeautPeep30_34, BeeBee8_34, Benjalauren_34, BigRedClifford_34, Blage_34, BonesMcCoy_34, Bonino_33, BouleyBill_31, Bustleton_31, Byron23_34, Calix_33, CaptainRex_31, CarisSwetlik_37, Carostasia_30, Casey_30, Chako_33, Chamuel_33, Cheeto1_34, Chepli_33, ChickenKing_33, ChikPic_32, Clancy_33, Clock_31, ColaCorta_32, Convict_34, Dave_34, Delphidian_34, Den3_34, Dothraki_34, Eleri_32, Endor_34, Erla_33, Espinosa_33, Etna_33, Etta_33, FarmerDoug_33, Figueroism_34, Finny_32, Fulton_31, GaeCeo_34, GardenB_33, Garey24_33, Gargoyle_34, Gelo_33, Gershwin_33, Glamour_31, Greenlvy_31, Gubbabump_33, HairyMan_31, Hamlet_33, HanSolo_33, HankSprout_34, Hasitha_31, HerculesXL_32, HungryHenry_33, Ilzat_33, Inventa_34, Ioannes_34, Ixel_32, Janus167_33, JasonD_38, JasperRussell_33, Jenos_37, Jingles_31, Juanyo_31, Juicer_34, Kale_33, KannH_33, KatChan_33, Kauala_31, Klimt_33, Knox_34, Librie_31, LilTerminator_32, Lovelyunicorn_34, Ludgate_34, Luna18_33, MCubed_32, MaeLinda_34, Mandalorian_30, Martin_35, McGalleon_36, Mercedes_28, MillyPhilly_34, Morrigan_33, MrWorldwide_34, Nagem_34, Nattles_33, Nebulous_31, Neferthena_31, NickSell_34, Nucci_30, Oats_33, OldNelly_34, Oxtober96_34, PSirce_31, Pajaza_30, Papafritta_33, ParleG_34, Peep_34, Peppino_33, Phanita_31, Pherbot_31, Pherferi_34, Phiderman_34, Phireproof_34, PhredFlintston_34, Phriends_34, Pikmin_30, Pocket_33, PrincePhergus_31, PuppyEggo_34, QuadZero_31, Quartz_31, Raccoon_33, Rapheph_34, Raptor_34, Redfield_33, RenegadeRaider_32, Renzie_34, Riyhil_34, Robinson_34, Rog141_33, SJay_34, Sansa_31, Saratos_32, Schimmels22_32, Schnapsidee_33, Schubert_31, Sedgewig_33, ShaiHulud_34, Shamu_32, Shee_34, Sinatra_31, SirVictor_31, SoilGremlin_34, Stanktossa_34, StingRay_33, StirfryIV_33, Stormbreaker8_33, Strathdee_34, Superfresh_34, TatarkaPM_34, Teagan_34, TeddyBear_33, Tenda_33, Thorongil_34, TinSulphur_34, Tinyman4_32, Velene_34, Vispistious_34, Wardwill_33, WestPM_30, WildNOut_34, WilliamStrong_32, Winzigespinne_33,

YuuY_32, Zada_34, Zayuliv_31, Zenitsu_32, Zepp_32,

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

• Christoph_33, Duocatuli_33, Exploradora_34, Golden_31, Greys_34, Guetzie_31, Jemerald_34, Jerbirus_34, JeriBeth_34, KingJulien_33, Koji_31, Kurt1_34, Leafus_33, Lucky3_31, ManRay_33, MonChoix_32, RosieMae_34, Scissor2024_32, SonOfLevi_33, Symere_34, Thompsone_34, TwoBits_30,

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

• 8UZL_54, Agatha_58, AikoCarson_59, Amok_59, AndPeggy_55, Axym_57, Azira_53, Bavailard_60, BigChungus_61, BillDoor_58, Biskit_60, Blondies_60, Burnsey_58, Button_60, Buttrmikedreams_60, CanesSauce_57, Carsonalex_61, CherryonLim_62, ChickenTender_60, ChocoMunchkin_57, Cleo_51, Cozz_56, Dre3_54, Elinal_66, Elliott_58, Emalyn_57, FF47_52, Feastonyeet_61, Fribs8_53, GTE2_47, GiKK_63, Gibbous_54, GoldHunter_59, Hexbug_63, HippoPololi_54, Horseradish_60, Huwbert_96, JacoRen57_50, Jamzy_63, KayGee_64, Lauer_56, MAnor_63, MScarn_62, MaVan_53, Maco6_52, Margaret_63, Mayweather_65, Muddy_54, MunkgeeRoachy_56, Nibbles_52, Nina_58, NoShow_62, Nodigi_63, Orla_65, Pons_63, PotPie_61, PsychoKiller_57, Quasar_58, RanchParmCat_62, RedBaron_62, SheckWes_65, Shrew_97, SketchMex_58, Socotra_59, Sopespian_55, Starburst_58, SteamedHams_59, SummitAcademy_61, Survivors_53, SweatNTears_60, Tolls_59, Triscuit_94, Troje_60, Typhonmacy_58, Vine_64, Yakult_59, Yarn_55, Yucky_65, Yummy_60, Zareef_55,

Summary by start number:

Start 6:

- Found in 15 of 279 (5.4%) of genes in pham
- Manual Annotations of this start: 13 of 240
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bavailard_60 (CT), BigChungus_61 (CT), CherryonLim_62 (CT), Elinal_66 (CT), Feastonyeet_61 (CT), KayGee_64 (CT), Lauer_56 (CT), MAnor_63 (CT), Mayweather_65 (CT), Pons_63 (CT), PotPie_61 (CT), SheckWes_65 (CT), SummitAcademy_61 (CT), Vine_64 (CT), Yucky_65 (CT),

Start 7:

- Found in 2 of 279 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 240
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Margaret_63 (CT), RanchParmCat_62 (CT),

Start 8:

- Found in 4 of 279 (1.4%) of genes in pham
- Manual Annotations of this start: 3 of 240
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Button_60 (CT), Jamzy_63 (CT), Yakult_59 (CT),

Start 9:

- Found in 2 of 279 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 240
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Huwbart_96 (GG), Triscuit_94 (GG),

Start 10:

- Found in 1 of 279 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 240
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shrew_97 (singleton),

Start 11:

- Found in 3 of 279 (1.1%) of genes in pham
- Manual Annotations of this start: 3 of 240
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hexbug_63 (CT), Nodigi_63 (CT), Orla_65 (CT),

Start 12:

- Found in 11 of 279 (3.9%) of genes in pham
- Manual Annotations of this start: 10 of 240
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azira_53 (CT), Cleo_51 (CT), Dre3_54 (CT), Fribs8_53 (CT), Gibbous_54 (CT), HippoPololi_54 (CT), JacoRen57_50 (AB), MaVan_53 (CT), Nibbles_52 (CT), Survivors_53 (CT), Zareef_55 (CT),

Start 13:

- Found in 42 of 279 (15.1%) of genes in pham
- Manual Annotations of this start: 26 of 240
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 8UZL_54 (AB), Agatha_58 (CT), AikoCarson_59 (CT), Amok_59 (CT), AndPeggy_55 (CT), Axym_57 (CT), BillDoor_58 (CT), Biskit_60 (CT), Blondies_60 (CT), Burnsey_58 (CT), Buttrmilkdreams_60 (CT), CanesSauce_57 (CT), Carsonalex_61 (CT), ChickenTender_60 (CT), ChocoMunchkin_57 (CT), Cozz_56 (CT), Elliott_58 (CT), Emalyn_57 (CT), FF47_52 (AB), GTE2_47 (CT), GoldHunter_59 (CT), Horseradish_60 (CT), MScarn_62 (CT), Maco6_52 (AB), Muddy_54 (AB), MunkgeeRoachy_56 (CT), Nina_58 (CT), NoShow_62 (AB), PsychoKiller_57 (CT), Quasar_58 (CT), RedBaron_62 (CT), SketchMex_58 (CT), Socotra_59 (CT), Sopespian_55 (CT), Starburst_58 (CT), SteamedHams_59 (CT), SweatNTears_60 (CT), Tolls_59 (CT), Troje_60 (CT), Typhonomachy_58 (CT), Yarn_55 (CT), Yummy_60 (CT),

Start 14:

- Found in 199 of 279 (71.3%) of genes in pham
- Manual Annotations of this start: 165 of 240
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Acosta_35 (EA1), Agente005_34 (EA1), Alakazam_32 (EA5), AlexAdler_34 (EA1), Alyxandracam_34 (EA1), Andromedas_32 (EA2), Anilorac_33 (EA1), Antoinette_34 (EA1), AranulaLuti_33 (EA1), Asta_33 (EA1), Aubergine_33 (EA1), AxiPup_34 (EA1), Baines_33 (EA1), Balsa_33 (EA1), Bandik_34 (EA1), BaronJohn_32 (EA5), BeautPeep30_34 (EA1), BeeBee8_34 (EA1), Benjalauen_34 (EA1), BigRedClifford_34 (EA1), Blage_34 (EA1), BonesMcCoy_34 (EA1), Bonino_33 (EA1), BouleyBill_31 (EA4), Bustleton_31 (EA4), Byron23_34 (EA1), Calix_33 (EA1), CaptainRex_31 (EA5), CarisSwetlik_37 (EA1), Carostasia_30 (EA10), Casey_30 (EA3), Chako_33 (EA1), Chamuel_33 (EA1), Cheeto1_34 (EA9), Chepli_33 (EA6), ChickenKing_33 (EA9), ChikPic_32 (EA2), Clancy_33 (EA1),

Clock_31 (EA5), ColaCorta_32 (EA2), Convict_34 (EA1), Dave_34 (EA1), Delphidian_34 (EA1), Den3_34 (EA1), Dothraki_34 (EA1), Eleri_32 (EA2), Endor_34 (EA1), Erla_33 (EA1), Espinosa_33 (EA1), Etna_33 (EA1), Etta_33 (EA1), FarmerDoug_33 (EA1), Figueroism_34 (EA1), Finny_32 (EA2), Fulton_31 (EA5), GaeCeo_34 (EA9), GardenB_33 (EA1), Garey24_33 (EA1), Gargoyle_34 (EA1), Gelo_33 (EA1), Gershwin_33 (EA1), Glamour_31 (EA2), Greenlvy_31 (EA5), Gubbabump_33 (EA1), HairyMan_31 (EA10), Hamlet_33 (EA1), HanSolo_33 (EA1), HankSprout_34 (EA1), Hasitha_31 (EA5), HerculesXL_32 (EA11), HungryHenry_33 (EA1), Ilzat_33 (EA1), Inventa_34 (EA1), Ioannes_34 (EA1), Ixel_32 (EA11), Janus167_33 (EA1), JasonD_38 (EA1), JasperRussell_33 (EA1), Jenos_37 (EA1), Jingles_31 (EA4), Juanyo_31 (EA10), Juicer_34 (EA6), Kale_33 (EA1), KannH_33 (EA1), KatChan_33 (EA6), Kauala_31 (EA4), Klimt_33 (EA1), Knox_34 (EA1), Librie_31 (EA5), LilTerminator_32 (EA5), Lovelyunicorn_34 (EA1), Ludgate_34 (EA1), Luna18_33 (EA6), MCubed_32 (EA2), MaeLinda_34 (EA1), Mandalorian_30 (EA10), Martin_35 (EA1), McGalleon_36 (EA1), Mercedes_28 (EA), MillyPhilly_34 (EA1), Morrigan_33 (EA6), MrWorldwide_34 (EA1), Nagem_34 (EA1), Nattles_33 (EA1), Nebulous_31 (EA5), Neferthena_31 (EA5), NickSell_34 (EA1), Nucci_30 (EA10), Oats_33 (EA1), OldNelly_34 (EA1), Oxtober96_34 (EA1), PSirce_31 (EA2), Pajaza_30 (EA3), Papafritta_33 (EA1), ParleG_34 (EA1), Peep_34 (EA1), Peppino_33 (EA1), Phanita_31 (EA2), Pherbot_31 (EA4), Pherferi_34 (EA1), Phiderman_34 (EA1), Phireproof_34 (EA1), PhredFlintston_34 (EA1), Phriends_34 (EA1), Pikmin_30 (EA3), Pocket_33 (EA1), PrincePhergus_31 (EA4), PuppyEggo_34 (EA1), QuadZero_31 (EA5), Quartz_31 (EA10), Raccoon_33 (EA1), Rappheph_34 (EA1), Raptor_34 (EA1), Redfield_33 (EA1), RenegadeRaider_32 (EA4), Renzie_34 (EA1), Rihhil_34 (EA1), Robinson_34 (EA1), Rog141_33 (EA1), SJay_34 (EA1), Sansa_31 (EA2), Saratos_32 (EA2), Schimmels22_32 (EA11), Schnapsidee_33 (EA1), Schubert_31 (EA8), Sedgewig_33 (EA1), ShaiHulud_34 (EA1), Shamu_32 (EA2), Shee_34 (EA1), Sinatra_31 (EA4), SirVictor_31 (EA4), SoilGremlin_34 (EA1), Stanktossa_34 (EA1), StingRay_33 (EA1), StirfryIV_33 (EA1), Stormbreaker8_33 (EA1), Strathdee_34 (EA1), Superfresh_34 (EA1), TatarkaPM_34 (EA1), Teagan_34 (EA1), TeddyBear_33 (EA1), Tenda_33 (EA1), Thorongil_34 (EA1), TinSulphur_34 (EA1), Tinyman4_32 (EA11), Velene_34 (EA1), Vispistious_34 (EA1), Wardwill_33 (EA5), WestPM_30 (EA11), WildNOut_34 (EA1), WilliamStrong_32 (EA6), Winzigespinne_33 (EA1), YuuY_32 (EA10), Zada_34 (EA1), Zayuliv_31 (EA5), Zenitsu_32 (EA2), Zepp_32 (EA5),

Start 18:

- Found in 17 of 279 (6.1%) of genes in pham
- Manual Annotations of this start: 1 of 240
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Jemerald_34 (EA6),

Start 20:

- Found in 175 of 279 (62.7%) of genes in pham
- Manual Annotations of this start: 5 of 240
- Called 2.9% of time when present
- Phage (with cluster) where this start called: Golden_31 (EA4), Guetzie_31 (EA4), Koji_31 (EA4), Lucky3_31 (EA4), SonOfLevi_33 (EA1),

Start 21:

- Found in 7 of 279 (2.5%) of genes in pham
- Manual Annotations of this start: 1 of 240
- Called 14.3% of time when present

- Phage (with cluster) where this start called: GiKK_63 (CT),

Start 22:

- Found in 74 of 279 (26.5%) of genes in pham
- No Manual Annotations of this start.
- Called 1.4% of time when present
- Phage (with cluster) where this start called: Scissor2024_32 (EA11),

Start 23:

- Found in 44 of 279 (15.8%) of genes in pham
- Manual Annotations of this start: 1 of 240
- Called 4.5% of time when present
- Phage (with cluster) where this start called: KingJulien_33 (EA1), MonChoix_32 (EA1),

Start 24:

- Found in 191 of 279 (68.5%) of genes in pham
- Manual Annotations of this start: 7 of 240
- Called 6.8% of time when present
- Phage (with cluster) where this start called: Christoph_33 (EA1), Duocatuli_33 (EA1), Exploradora_34 (UNK), Greys_34 (EA1), Jerbirus_34 (EA1), JeriBeth_34 (EA1), Kurt1_34 (EA1), Leafus_33 (EA1), ManRay_33 (EA1), RosieMae_34 (EA1), Symere_34 (EA1), Thompsone_34 (EA1), TwoBits_30 (EA5),

Summary by clusters:

There are 16 clusters represented in this pham: GG, singleton, AB, EA11, EA10, EA6, UNK, EA, EA9, EA8, EA1, EA3, EA2, EA5, EA4, CT,

Info for manual annotations of cluster AB:

- Start number 12 was manually annotated 1 time for cluster AB.
- Start number 13 was manually annotated 3 times for cluster AB.

Info for manual annotations of cluster CT:

- Start number 6 was manually annotated 13 times for cluster CT.
- Start number 7 was manually annotated 2 times for cluster CT.
- Start number 8 was manually annotated 3 times for cluster CT.
- Start number 11 was manually annotated 3 times for cluster CT.
- Start number 12 was manually annotated 9 times for cluster CT.
- Start number 13 was manually annotated 23 times for cluster CT.
- Start number 21 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster EA:

- Start number 14 was manually annotated 1 time for cluster EA.

Info for manual annotations of cluster EA1:

- Start number 14 was manually annotated 110 times for cluster EA1.
- Start number 20 was manually annotated 1 time for cluster EA1.
- Start number 23 was manually annotated 1 time for cluster EA1.
- Start number 24 was manually annotated 7 times for cluster EA1.

Info for manual annotations of cluster EA10:

- Start number 14 was manually annotated 6 times for cluster EA10.

Info for manual annotations of cluster EA11:

- Start number 14 was manually annotated 5 times for cluster EA11.

Info for manual annotations of cluster EA2:

- Start number 14 was manually annotated 11 times for cluster EA2.

Info for manual annotations of cluster EA3:

- Start number 14 was manually annotated 3 times for cluster EA3.

Info for manual annotations of cluster EA4:

- Start number 14 was manually annotated 7 times for cluster EA4.
- Start number 20 was manually annotated 4 times for cluster EA4.

Info for manual annotations of cluster EA5:

- Start number 14 was manually annotated 12 times for cluster EA5.

Info for manual annotations of cluster EA6:

- Start number 14 was manually annotated 6 times for cluster EA6.
- Start number 18 was manually annotated 1 time for cluster EA6.

Info for manual annotations of cluster EA8:

- Start number 14 was manually annotated 1 time for cluster EA8.

Info for manual annotations of cluster EA9:

- Start number 14 was manually annotated 3 times for cluster EA9.

Info for manual annotations of cluster GG:

- Start number 9 was manually annotated 2 times for cluster GG.

Gene Information:

Gene: 8UZL_54 Start: 40017, Stop: 41942, Start Num: 13

Candidate Starts for 8UZL_54:

(Start: 13 @40017 has 26 MA's), (22, 40083), (31, 40179), (38, 40230), (39, 40233), (58, 40389), (77, 40554), (87, 40623), (102, 40728), (112, 40821), (120, 40887), (145, 41088), (147, 41106), (164, 41184), (168, 41208), (171, 41229), (184, 41304), (190, 41319), (191, 41322), (194, 41334), (212, 41433), (213, 41439), (214, 41457), (216, 41481), (220, 41517), (222, 41523), (228, 41571), (234, 41619), (247, 41709),

Gene: Acosta_35 Start: 24488, Stop: 22806, Start Num: 14

Candidate Starts for Acosta_35:

(Start: 14 @24488 has 165 MA's), (Start: 20 @24455 has 5 MA's), (Start: 24 @24419 has 7 MA's), (33, 24332), (34, 24326), (43, 24230), (50, 24185), (54, 24164), (58, 24122), (63, 24077), (64, 24071), (72, 24011), (79, 23945), (129, 23603), (137, 23561), (185, 23255), (211, 23138), (214, 23099), (219, 23045), (220, 23042), (227, 22985), (233, 22940), (237, 22907), (242, 22880), (248, 22847), (255, 22814),

Gene: Agatha_58 Start: 39975, Stop: 41969, Start Num: 13

Candidate Starts for Agatha_58:

(Start: 13 @39975 has 26 MA's), (38, 40191), (42, 40230), (44, 40245), (70, 40449), (72, 40458), (77, 40515), (95, 40638), (103, 40689), (115, 40788), (116, 40800), (121, 40845), (131, 40923), (136, 40959), (138, 40977), (140, 40989), (145, 41037), (154, 41094), (162, 41121), (169, 41157), (186, 41238), (191, 41250), (202, 41301), (214, 41385), (219, 41442), (223, 41460), (228, 41499), (244, 41625), (258, 41700), (259, 41721), (263, 41748), (267, 41793), (274, 41838), (285, 41901), (286, 41904), (293, 41925),

Gene: Agente005_34 Start: 24312, Stop: 22615, Start Num: 14

Candidate Starts for Agente005_34:

(Start: 14 @24312 has 165 MA's), (22, 24261), (Start: 23 @24249 has 1 MA's), (Start: 24 @24243 has 7 MA's), (33, 24156), (43, 24042), (48, 24003), (50, 23997), (58, 23934), (63, 23889), (68, 23847), (72, 23823), (129, 23418), (137, 23376), (143, 23325), (147, 23289), (156, 23238), (181, 23091), (211, 22950), (214, 22911), (219, 22857), (220, 22854), (227, 22797), (233, 22752), (237, 22719), (242, 22692), (248, 22659),

Gene: AikoCarson_59 Start: 40159, Stop: 42156, Start Num: 13

Candidate Starts for AikoCarson_59:

(Start: 13 @40159 has 26 MA's), (38, 40375), (42, 40414), (66, 40591), (72, 40642), (77, 40699), (91, 40780), (92, 40792), (94, 40819), (95, 40822), (99, 40843), (115, 40972), (116, 40984), (121, 41029), (140, 41176), (145, 41224), (150, 41254), (152, 41263), (169, 41344), (186, 41425), (212, 41548), (219, 41629), (223, 41647), (228, 41686), (244, 41812), (259, 41908), (263, 41935), (265, 41953), (267, 41980), (274, 42025), (277, 42049), (285, 42088), (286, 42091), (293, 42112), (295, 42130),

Gene: Alakazam_32 Start: 23606, Stop: 21930, Start Num: 14

Candidate Starts for Alakazam_32:

(Start: 14 @23606 has 165 MA's), (Start: 20 @23573 has 5 MA's), (36, 23438), (39, 23414), (45, 23339), (54, 23282), (59, 23228), (63, 23195), (64, 23189), (72, 23129), (76, 23084), (79, 23063), (83, 23033), (129, 22718), (144, 22610), (156, 22538), (161, 22520), (183, 22379), (185, 22373), (209, 22262), (211, 22256), (214, 22217), (215, 22208), (219, 22163), (233, 22058), (241, 22010),

Gene: AlexAdler_34 Start: 24088, Stop: 22418, Start Num: 14

Candidate Starts for AlexAdler_34:

(Start: 14 @24088 has 165 MA's), (Start: 20 @24055 has 5 MA's), (Start: 24 @24019 has 7 MA's), (28, 23962), (33, 23932), (34, 23926), (50, 23800), (63, 23692), (64, 23686), (79, 23560), (83, 23530), (129, 23218), (137, 23176), (143, 23125), (156, 23038), (211, 22753), (214, 22714), (220, 22657), (227, 22600), (233, 22555), (237, 22522), (240, 22513), (242, 22495), (248, 22462),

Gene: Alyxandracam_34 Start: 24097, Stop: 22427, Start Num: 14

Candidate Starts for Alyxandracam_34:

(Start: 14 @24097 has 165 MA's), (Start: 20 @24064 has 5 MA's), (Start: 24 @24028 has 7 MA's), (28, 23971), (33, 23941), (34, 23935), (50, 23809), (63, 23701), (64, 23695), (79, 23569), (81, 23551), (83, 23539), (129, 23227), (137, 23185), (143, 23134), (211, 22762), (214, 22723), (220, 22666), (227, 22609), (233, 22564), (237, 22531), (240, 22522), (242, 22504), (248, 22471),

Gene: Amok_59 Start: 40087, Stop: 42084, Start Num: 13

Candidate Starts for Amok_59:

(Start: 13 @40087 has 26 MA's), (38, 40303), (42, 40342), (66, 40519), (72, 40570), (77, 40627), (91, 40708), (92, 40720), (94, 40747), (95, 40750), (99, 40771), (115, 40900), (116, 40912), (121, 40957), (140, 41104), (145, 41152), (150, 41182), (152, 41191), (169, 41272), (184, 41347), (186, 41353), (212, 41476), (216, 41524), (219, 41557), (223, 41575), (228, 41614), (244, 41740), (252, 41788), (259, 41836), (263, 41863), (265, 41881), (267, 41908), (270, 41926), (274, 41953), (286, 42019), (289, 42025), (293, 42040),

Gene: AndPeggy_55 Start: 39391, Stop: 41388, Start Num: 13

Candidate Starts for AndPeggy_55:

(Start: 13 @39391 has 26 MA's), (38, 39607), (42, 39646), (66, 39823), (71, 39868), (72, 39874), (91, 40012), (95, 40054), (96, 40063), (107, 40138), (115, 40204), (116, 40216), (121, 40261), (136, 40378), (138, 40396), (140, 40408), (145, 40456), (154, 40513), (162, 40540), (169, 40576), (186, 40657), (191, 40669), (195, 40690), (212, 40780), (216, 40828), (219, 40861), (223, 40879), (225, 40894), (228, 40918), (244, 41044), (252, 41092), (258, 41119), (259, 41140), (263, 41167), (265, 41185), (267, 41212), (274, 41257), (277, 41281), (285, 41320), (286, 41323), (293, 41344), (295, 41362),

Gene: Andromedas_32 Start: 23711, Stop: 22029, Start Num: 14

Candidate Starts for Andromedas_32:

(Start: 14 @23711 has 165 MA's), (Start: 18 @23687 has 1 MA's), (Start: 20 @23678 has 5 MA's), (22, 23660), (Start: 23 @23648 has 1 MA's), (Start: 24 @23642 has 7 MA's), (32, 23561), (43, 23450), (45, 23441), (54, 23384), (64, 23291), (68, 23255), (72, 23231), (79, 23165), (81, 23147), (83, 23135), (96, 23057), (104, 23006), (134, 22790), (137, 22778), (139, 22766), (143, 22727), (144, 22712), (148, 22685), (159, 22628), (161, 22622), (185, 22481), (211, 22364), (213, 22343), (214, 22325), (220, 22268), (232, 22169), (234, 22160), (242, 22106),

Gene: Anilorac_33 Start: 24156, Stop: 22459, Start Num: 14

Candidate Starts for Anilorac_33:

(Start: 14 @24156 has 165 MA's), (22, 24105), (Start: 23 @24093 has 1 MA's), (Start: 24 @24087 has 7 MA's), (33, 24000), (43, 23886), (48, 23847), (50, 23841), (58, 23778), (63, 23733), (68, 23691), (72, 23667), (129, 23262), (137, 23220), (143, 23169), (147, 23133), (156, 23082), (181, 22935), (211, 22794), (214, 22755), (219, 22701), (220, 22698), (227, 22641), (233, 22596), (237, 22563), (242, 22536), (248, 22503),

Gene: Antoinette_34 Start: 24085, Stop: 22415, Start Num: 14

Candidate Starts for Antoinette_34:

(Start: 14 @24085 has 165 MA's), (Start: 20 @24052 has 5 MA's), (Start: 24 @24016 has 7 MA's), (28, 23959), (33, 23929), (34, 23923), (50, 23797), (63, 23689), (64, 23683), (79, 23557), (83, 23527), (129, 23215), (137, 23173), (143, 23122), (156, 23035), (211, 22750), (214, 22711), (220, 22654), (227, 22597), (233, 22552), (237, 22519), (240, 22510), (242, 22492), (248, 22459),

Gene: AranulaLuti_33 Start: 23782, Stop: 22112, Start Num: 14

Candidate Starts for AranulaLuti_33:

(Start: 14 @23782 has 165 MA's), (Start: 20 @23749 has 5 MA's), (Start: 24 @23713 has 7 MA's), (28, 23656), (33, 23626), (34, 23620), (50, 23494), (63, 23386), (64, 23380), (79, 23254), (81, 23236), (83, 23224), (129, 22912), (137, 22870), (156, 22732), (211, 22447), (214, 22408), (220, 22351), (227, 22294), (233, 22249), (237, 22216), (240, 22207), (242, 22189), (248, 22156),

Gene: Asta_33 Start: 23795, Stop: 22125, Start Num: 14

Candidate Starts for Asta_33:

(Start: 14 @23795 has 165 MA's), (Start: 20 @23762 has 5 MA's), (Start: 24 @23726 has 7 MA's), (28, 23669), (33, 23639), (34, 23633), (50, 23507), (63, 23399), (64, 23393), (79, 23267), (83, 23237), (129, 22925), (137, 22883), (143, 22832), (211, 22460), (214, 22421), (220, 22364), (227, 22307), (233, 22262), (237, 22229), (240, 22220), (242, 22202), (248, 22169),

Gene: Aubergine_33 Start: 23795, Stop: 22125, Start Num: 14

Candidate Starts for Aubergine_33:

(Start: 14 @23795 has 165 MA's), (Start: 20 @23762 has 5 MA's), (Start: 24 @23726 has 7 MA's), (28, 23669), (33, 23639), (34, 23633), (50, 23507), (63, 23399), (64, 23393), (79, 23267), (83, 23237), (129, 22925), (137, 22883), (143, 22832), (211, 22460), (214, 22421), (220, 22364), (227, 22307), (233,

22262), (237, 22229), (240, 22220), (242, 22202), (248, 22169),

Gene: AxiPup_34 Start: 24097, Stop: 22427, Start Num: 14

Candidate Starts for AxiPup_34:

(Start: 14 @24097 has 165 MA's), (Start: 20 @24064 has 5 MA's), (Start: 24 @24028 has 7 MA's), (28, 23971), (33, 23941), (34, 23935), (50, 23809), (63, 23701), (64, 23695), (79, 23569), (83, 23539), (129, 23227), (137, 23185), (211, 22762), (214, 22723), (220, 22666), (227, 22609), (233, 22564), (237, 22531), (240, 22522), (242, 22504), (248, 22471),

Gene: Axym_57 Start: 39872, Stop: 41866, Start Num: 13

Candidate Starts for Axym_57:

(Start: 13 @39872 has 26 MA's), (38, 40088), (42, 40127), (44, 40142), (66, 40304), (70, 40346), (72, 40355), (77, 40412), (95, 40535), (103, 40586), (115, 40685), (116, 40697), (121, 40742), (136, 40856), (138, 40874), (140, 40886), (145, 40934), (154, 40991), (162, 41018), (169, 41054), (186, 41135), (191, 41147), (202, 41198), (214, 41282), (219, 41339), (223, 41357), (228, 41396), (244, 41522), (258, 41597), (259, 41618), (263, 41645), (267, 41690), (274, 41735), (285, 41798), (286, 41801), (293, 41822),

Gene: Azira_53 Start: 38960, Stop: 40975, Start Num: 12

Candidate Starts for Azira_53:

(5, 38927), (Start: 12 @38960 has 10 MA's), (15, 38984), (26, 39059), (38, 39179), (47, 39254), (48, 39269), (70, 39437), (72, 39446), (77, 39503), (83, 39557), (85, 39563), (89, 39581), (91, 39584), (94, 39623), (96, 39635), (102, 39671), (103, 39677), (107, 39710), (113, 39767), (116, 39788), (118, 39821), (121, 39833), (127, 39881), (133, 39929), (140, 39977), (145, 40025), (166, 40139), (177, 40208), (186, 40241), (205, 40325), (206, 40328), (208, 40334), (212, 40364), (223, 40463), (228, 40502), (233, 40544), (234, 40550), (244, 40628), (247, 40640), (252, 40676), (261, 40730), (263, 40742), (273, 40820), (274, 40844), (278, 40877), (279, 40880), (280, 40886), (281, 40889), (286, 40913), (292, 40931), (295, 40952),

Gene: Baines_33 Start: 23782, Stop: 22112, Start Num: 14

Candidate Starts for Baines_33:

(Start: 14 @23782 has 165 MA's), (Start: 20 @23749 has 5 MA's), (Start: 24 @23713 has 7 MA's), (28, 23656), (33, 23626), (34, 23620), (50, 23494), (63, 23386), (64, 23380), (79, 23254), (81, 23236), (83, 23224), (129, 22912), (137, 22870), (156, 22732), (211, 22447), (214, 22408), (220, 22351), (227, 22294), (233, 22249), (237, 22216), (240, 22207), (242, 22189), (248, 22156),

Gene: Balsa_33 Start: 24202, Stop: 22460, Start Num: 14

Candidate Starts for Balsa_33:

(Start: 14 @24202 has 165 MA's), (22, 24151), (Start: 23 @24139 has 1 MA's), (Start: 24 @24133 has 7 MA's), (33, 24046), (43, 23932), (48, 23893), (50, 23887), (58, 23824), (63, 23779), (80, 23632), (82, 23626), (83, 23617), (86, 23605), (129, 23308), (130, 23299), (137, 23266), (143, 23215), (147, 23179), (156, 23128), (181, 22981), (196, 22903), (197, 22873), (203, 22837), (211, 22795), (214, 22756), (220, 22699), (227, 22642), (233, 22597), (237, 22564), (242, 22537), (248, 22504),

Gene: Bandik_34 Start: 24093, Stop: 22423, Start Num: 14

Candidate Starts for Bandik_34:

(Start: 14 @24093 has 165 MA's), (Start: 20 @24060 has 5 MA's), (Start: 24 @24024 has 7 MA's), (28, 23967), (33, 23937), (34, 23931), (50, 23805), (63, 23697), (64, 23691), (79, 23565), (81, 23547), (83, 23535), (129, 23223), (137, 23181), (143, 23130), (211, 22758), (214, 22719), (220, 22662), (227, 22605), (233, 22560), (237, 22527), (240, 22518), (242, 22500), (248, 22467),

Gene: BaronJohn_32 Start: 22528, Stop: 20861, Start Num: 14

Candidate Starts for BaronJohn_32:

(Start: 14 @22528 has 165 MA's), (Start: 20 @22495 has 5 MA's), (Start: 24 @22459 has 7 MA's), (28, 22402), (48, 22246), (52, 22234), (54, 22219), (59, 22165), (64, 22126), (69, 22084), (72, 22066), (79, 22000), (80, 21985), (83, 21970), (85, 21961), (129, 21652), (132, 21625), (138, 21601), (142, 21565), (143, 21559), (165, 21439), (183, 21313), (185, 21307), (211, 21190), (214, 21151), (219, 21097), (233, 20992), (240, 20950), (241, 20944),

Gene: Bavilard_60 Start: 41008, Stop: 43089, Start Num: 6

Candidate Starts for Bavilard_60:

(4, 40972), (Start: 6 @41008 has 13 MA's), (15, 41047), (22, 41095), (27, 41131), (38, 41248), (56, 41398), (62, 41428), (66, 41464), (67, 41470), (77, 41572), (85, 41632), (88, 41647), (94, 41692), (96, 41704), (102, 41740), (104, 41758), (109, 41803), (114, 41842), (121, 41902), (123, 41923), (138, 42064), (140, 42076), (145, 42124), (162, 42208), (169, 42244), (181, 42316), (186, 42343), (219, 42547), (222, 42556), (223, 42565), (225, 42580), (228, 42604), (234, 42652), (238, 42682), (239, 42688), (250, 42769), (263, 42868), (267, 42916), (274, 42961), (276, 42982), (285, 43024), (286, 43027),

Gene: BeautPeep30_34 Start: 24099, Stop: 22429, Start Num: 14

Candidate Starts for BeautPeep30_34:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (Start: 24 @24030 has 7 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (211, 22764), (214, 22725), (220, 22668), (227, 22611), (233, 22566), (237, 22533), (240, 22524), (242, 22506), (248, 22473),

Gene: BeeBee8_34 Start: 24369, Stop: 22627, Start Num: 14

Candidate Starts for BeeBee8_34:

(Start: 14 @24369 has 165 MA's), (22, 24318), (Start: 23 @24306 has 1 MA's), (Start: 24 @24300 has 7 MA's), (33, 24213), (43, 24099), (48, 24060), (50, 24054), (58, 23991), (63, 23946), (80, 23799), (82, 23793), (83, 23784), (86, 23772), (129, 23475), (130, 23466), (137, 23433), (143, 23382), (147, 23346), (156, 23295), (181, 23148), (196, 23070), (197, 23040), (203, 23004), (211, 22962), (214, 22923), (220, 22866), (227, 22809), (233, 22764), (237, 22731), (242, 22704), (248, 22671),

Gene: Benjalauren_34 Start: 23792, Stop: 22122, Start Num: 14

Candidate Starts for Benjalauren_34:

(Start: 14 @23792 has 165 MA's), (Start: 20 @23759 has 5 MA's), (Start: 24 @23723 has 7 MA's), (28, 23666), (33, 23636), (34, 23630), (50, 23504), (63, 23396), (64, 23390), (79, 23264), (83, 23234), (129, 22922), (137, 22880), (156, 22742), (211, 22457), (214, 22418), (220, 22361), (227, 22304), (233, 22259), (237, 22226), (240, 22217), (242, 22199), (248, 22166),

Gene: BigChungus_61 Start: 41539, Stop: 43620, Start Num: 6

Candidate Starts for BigChungus_61:

(4, 41503), (Start: 6 @41539 has 13 MA's), (15, 41578), (22, 41626), (27, 41662), (38, 41779), (56, 41929), (62, 41959), (66, 41995), (67, 42001), (77, 42103), (85, 42163), (88, 42178), (94, 42223), (96, 42235), (102, 42271), (104, 42289), (109, 42334), (114, 42373), (121, 42433), (123, 42454), (138, 42595), (140, 42607), (145, 42655), (162, 42739), (169, 42775), (181, 42847), (186, 42874), (219, 43078), (220, 43081), (222, 43087), (223, 43096), (225, 43111), (228, 43135), (234, 43183), (238, 43213), (239, 43219), (250, 43300), (263, 43399), (267, 43447), (274, 43492), (276, 43513), (285, 43555), (286, 43558),

Gene: BigRedClifford_34 Start: 24097, Stop: 22427, Start Num: 14

Candidate Starts for BigRedClifford_34:

(Start: 14 @24097 has 165 MA's), (Start: 20 @24064 has 5 MA's), (Start: 24 @24028 has 7 MA's), (28, 23971), (33, 23941), (34, 23935), (50, 23809), (63, 23701), (64, 23695), (79, 23569), (83, 23539), (129, 23227), (137, 23185), (143, 23134), (211, 22762), (214, 22723), (220, 22666), (227, 22609), (233,

22564), (237, 22531), (240, 22522), (242, 22504), (248, 22471),

Gene: BillDoor_58 Start: 39067, Stop: 41064, Start Num: 13

Candidate Starts for BillDoor_58:

(Start: 13 @39067 has 26 MA's), (38, 39283), (42, 39322), (66, 39499), (71, 39544), (72, 39550), (91, 39688), (95, 39730), (96, 39739), (107, 39814), (115, 39880), (116, 39892), (121, 39937), (140, 40084), (145, 40132), (152, 40171), (169, 40252), (186, 40333), (212, 40456), (216, 40504), (219, 40537), (223, 40555), (225, 40570), (228, 40594), (244, 40720), (252, 40768), (258, 40795), (259, 40816), (263, 40843), (265, 40861), (267, 40888), (274, 40933), (277, 40957), (286, 40999), (293, 41020), (295, 41038),

Gene: Biskit_60 Start: 39757, Stop: 41754, Start Num: 13

Candidate Starts for Biskit_60:

(Start: 13 @39757 has 26 MA's), (38, 39973), (42, 40012), (72, 40240), (91, 40378), (92, 40390), (95, 40420), (100, 40453), (113, 40561), (115, 40570), (116, 40582), (121, 40627), (131, 40708), (140, 40774), (145, 40822), (150, 40852), (152, 40861), (169, 40942), (186, 41023), (212, 41146), (219, 41227), (222, 41236), (223, 41245), (228, 41284), (244, 41410), (252, 41458), (258, 41485), (263, 41533), (265, 41551), (266, 41572), (267, 41578), (274, 41623), (282, 41671), (285, 41686), (286, 41689), (293, 41710),

Gene: Blage_34 Start: 24097, Stop: 22427, Start Num: 14

Candidate Starts for Blage_34:

(Start: 14 @24097 has 165 MA's), (Start: 20 @24064 has 5 MA's), (Start: 24 @24028 has 7 MA's), (28, 23971), (33, 23941), (34, 23935), (50, 23809), (63, 23701), (64, 23695), (79, 23569), (83, 23539), (129, 23227), (137, 23185), (143, 23134), (211, 22762), (214, 22723), (220, 22666), (227, 22609), (233, 22564), (237, 22531), (240, 22522), (242, 22504), (248, 22471),

Gene: Blondies_60 Start: 40074, Stop: 42071, Start Num: 13

Candidate Starts for Blondies_60:

(Start: 13 @40074 has 26 MA's), (38, 40290), (42, 40329), (72, 40557), (91, 40695), (92, 40707), (95, 40737), (100, 40770), (113, 40878), (115, 40887), (116, 40899), (121, 40944), (140, 41091), (145, 41139), (150, 41169), (152, 41178), (169, 41259), (186, 41340), (212, 41463), (219, 41544), (222, 41553), (223, 41562), (228, 41601), (244, 41727), (252, 41775), (258, 41802), (263, 41850), (265, 41868), (266, 41889), (267, 41895), (274, 41940), (282, 41988), (285, 42003), (286, 42006), (293, 42027),

Gene: BonesMcCoy_34 Start: 24097, Stop: 22427, Start Num: 14

Candidate Starts for BonesMcCoy_34:

(Start: 14 @24097 has 165 MA's), (Start: 20 @24064 has 5 MA's), (Start: 24 @24028 has 7 MA's), (28, 23971), (33, 23941), (34, 23935), (50, 23809), (63, 23701), (64, 23695), (79, 23569), (83, 23539), (129, 23227), (137, 23185), (143, 23134), (211, 22762), (214, 22723), (220, 22666), (227, 22609), (233, 22564), (237, 22531), (240, 22522), (242, 22504), (248, 22471),

Gene: Bonino_33 Start: 23771, Stop: 22101, Start Num: 14

Candidate Starts for Bonino_33:

(Start: 14 @23771 has 165 MA's), (Start: 20 @23738 has 5 MA's), (Start: 24 @23702 has 7 MA's), (28, 23645), (33, 23615), (34, 23609), (50, 23483), (63, 23375), (64, 23369), (79, 23243), (83, 23213), (129, 22901), (137, 22859), (156, 22721), (211, 22436), (214, 22397), (220, 22340), (227, 22283), (233, 22238), (237, 22205), (242, 22178), (248, 22145),

Gene: BouleyBill_31 Start: 23662, Stop: 21995, Start Num: 14

Candidate Starts for BouleyBill_31:

(Start: 14 @23662 has 165 MA's), (Start: 20 @23629 has 5 MA's), (Start: 24 @23593 has 7 MA's), (26, 23581), (28, 23536), (29, 23533), (43, 23419), (45, 23410), (58, 23311), (59, 23299), (63, 23266), (64, 23260), (77, 23152), (79, 23134), (83, 23104), (129, 22783), (130, 22774), (137, 22741), (143, 22690), (144, 22675), (148, 22648), (161, 22585), (185, 22444), (190, 22429), (206, 22348), (211, 22327), (214, 22288), (220, 22231), (226, 22183), (242, 22066), (246, 22045),

Gene: Burnsey_58 Start: 39966, Stop: 41960, Start Num: 13

Candidate Starts for Burnsey_58:

(Start: 13 @39966 has 26 MA's), (38, 40182), (42, 40221), (44, 40236), (66, 40398), (70, 40440), (72, 40449), (77, 40506), (95, 40629), (103, 40680), (115, 40779), (116, 40791), (121, 40836), (136, 40950), (138, 40968), (140, 40980), (145, 41028), (154, 41085), (162, 41112), (169, 41148), (186, 41229), (191, 41241), (202, 41292), (214, 41376), (219, 41433), (223, 41451), (228, 41490), (244, 41616), (258, 41691), (259, 41712), (263, 41739), (267, 41784), (274, 41829), (285, 41892), (286, 41895), (293, 41916),

Gene: Bustleton_31 Start: 23662, Stop: 21995, Start Num: 14

Candidate Starts for Bustleton_31:

(Start: 14 @23662 has 165 MA's), (Start: 20 @23629 has 5 MA's), (Start: 24 @23593 has 7 MA's), (26, 23581), (28, 23536), (29, 23533), (43, 23419), (58, 23311), (59, 23299), (63, 23266), (64, 23260), (77, 23152), (79, 23134), (83, 23104), (129, 22783), (130, 22774), (137, 22741), (143, 22690), (144, 22675), (148, 22648), (161, 22585), (181, 22468), (185, 22444), (190, 22429), (206, 22348), (211, 22327), (214, 22288), (220, 22231), (226, 22183), (242, 22066), (246, 22045),

Gene: Button_60 Start: 39852, Stop: 41897, Start Num: 8

Candidate Starts for Button_60:

(Start: 8 @39852 has 3 MA's), (16, 39891), (19, 39915), (Start: 21 @39930 has 1 MA's), (38, 40083), (39, 40086), (42, 40122), (46, 40149), (48, 40173), (56, 40233), (59, 40251), (75, 40401), (83, 40461), (96, 40539), (100, 40563), (102, 40575), (103, 40581), (115, 40680), (116, 40692), (118, 40725), (133, 40842), (136, 40860), (139, 40881), (140, 40890), (146, 40950), (160, 41016), (162, 41022), (169, 41058), (178, 41121), (181, 41130), (186, 41157), (201, 41217), (202, 41220), (205, 41241), (214, 41304), (219, 41361), (222, 41370), (223, 41379), (228, 41418), (234, 41466), (238, 41496), (252, 41592), (257, 41619), (261, 41667), (263, 41679), (265, 41697), (266, 41718), (281, 41805), (283, 41817), (285, 41826), (293, 41850),

Gene: Buttrmlkdreams_60 Start: 40204, Stop: 42201, Start Num: 13

Candidate Starts for Buttrmlkdreams_60:

(Start: 13 @40204 has 26 MA's), (38, 40420), (42, 40459), (72, 40687), (91, 40825), (92, 40837), (95, 40867), (100, 40900), (113, 41008), (115, 41017), (116, 41029), (121, 41074), (140, 41221), (145, 41269), (150, 41299), (152, 41308), (169, 41389), (186, 41470), (212, 41593), (219, 41674), (222, 41683), (223, 41692), (228, 41731), (244, 41857), (252, 41905), (258, 41932), (263, 41980), (265, 41998), (266, 42019), (267, 42025), (274, 42070), (285, 42133), (286, 42136), (293, 42157),

Gene: Byron23_34 Start: 24102, Stop: 22432, Start Num: 14

Candidate Starts for Byron23_34:

(Start: 14 @24102 has 165 MA's), (Start: 20 @24069 has 5 MA's), (Start: 24 @24033 has 7 MA's), (28, 23976), (33, 23946), (34, 23940), (50, 23814), (63, 23706), (64, 23700), (79, 23574), (83, 23544), (129, 23232), (137, 23190), (143, 23139), (156, 23052), (211, 22767), (214, 22728), (220, 22671), (227, 22614), (233, 22569), (237, 22536), (240, 22527), (242, 22509), (248, 22476),

Gene: Calix_33 Start: 23775, Stop: 22105, Start Num: 14

Candidate Starts for Calix_33:

(Start: 14 @23775 has 165 MA's), (Start: 20 @23742 has 5 MA's), (Start: 24 @23706 has 7 MA's), (28, 23649), (33, 23619), (34, 23613), (50, 23487), (63, 23379), (64, 23373), (79, 23247), (83, 23217), (129,

22905), (137, 22863), (156, 22725), (211, 22440), (214, 22401), (220, 22344), (227, 22287), (233, 22242), (237, 22209), (242, 22182), (248, 22149),

Gene: CanesSauce_57 Start: 39552, Stop: 41549, Start Num: 13

Candidate Starts for CanesSauce_57:

(Start: 13 @39552 has 26 MA's), (38, 39768), (42, 39807), (66, 39984), (71, 40029), (72, 40035), (91, 40173), (95, 40215), (96, 40224), (100, 40248), (107, 40299), (115, 40365), (116, 40377), (121, 40422), (136, 40539), (138, 40557), (145, 40617), (154, 40674), (162, 40701), (169, 40737), (186, 40818), (191, 40830), (195, 40851), (212, 40941), (216, 40989), (219, 41022), (223, 41040), (225, 41055), (228, 41079), (244, 41205), (252, 41253), (258, 41280), (259, 41301), (263, 41328), (265, 41346), (267, 41373), (274, 41418), (277, 41442), (285, 41481), (286, 41484), (293, 41505), (295, 41523),

Gene: CaptainRex_31 Start: 21940, Stop: 20273, Start Num: 14

Candidate Starts for CaptainRex_31:

(Start: 14 @21940 has 165 MA's), (Start: 20 @21907 has 5 MA's), (Start: 24 @21871 has 7 MA's), (28, 21814), (48, 21658), (52, 21646), (54, 21631), (59, 21577), (64, 21538), (69, 21496), (72, 21478), (79, 21412), (80, 21397), (83, 21382), (85, 21373), (129, 21064), (132, 21037), (138, 21013), (142, 20977), (143, 20971), (165, 20851), (183, 20725), (185, 20719), (211, 20602), (214, 20563), (219, 20509), (229, 20443), (233, 20404), (240, 20362), (241, 20356),

Gene: CarisSwetlik_37 Start: 24983, Stop: 23301, Start Num: 14

Candidate Starts for CarisSwetlik_37:

(Start: 14 @24983 has 165 MA's), (Start: 20 @24950 has 5 MA's), (Start: 24 @24914 has 7 MA's), (33, 24827), (34, 24821), (43, 24725), (45, 24716), (50, 24680), (54, 24659), (58, 24617), (63, 24572), (64, 24566), (68, 24530), (79, 24440), (83, 24410), (129, 24098), (137, 24056), (185, 23750), (211, 23633), (214, 23594), (220, 23537), (227, 23480), (233, 23435), (237, 23402), (242, 23375), (248, 23342),

Gene: Carostasia_30 Start: 23385, Stop: 21709, Start Num: 14

Candidate Starts for Carostasia_30:

(Start: 14 @23385 has 165 MA's), (Start: 20 @23352 has 5 MA's), (Start: 23 @23322 has 1 MA's), (Start: 24 @23316 has 7 MA's), (28, 23259), (45, 23115), (54, 23058), (60, 22998), (64, 22965), (72, 22905), (74, 22893), (76, 22860), (79, 22839), (80, 22824), (83, 22809), (104, 22680), (106, 22668), (129, 22500), (137, 22458), (138, 22449), (144, 22392), (156, 22320), (161, 22302), (183, 22158), (193, 22125), (206, 22056), (209, 22041), (211, 22035), (214, 21996), (220, 21939), (226, 21891), (233, 21837), (241, 21789), (244, 21765), (249, 21735),

Gene: Carsonalex_61 Start: 40354, Stop: 42348, Start Num: 13

Candidate Starts for Carsonalex_61:

(Start: 13 @40354 has 26 MA's), (38, 40570), (42, 40609), (44, 40624), (58, 40729), (70, 40828), (72, 40837), (77, 40894), (95, 41017), (103, 41068), (115, 41167), (116, 41179), (121, 41224), (136, 41338), (138, 41356), (140, 41368), (145, 41416), (154, 41473), (162, 41500), (169, 41536), (186, 41617), (191, 41629), (202, 41680), (214, 41764), (219, 41821), (223, 41839), (228, 41878), (244, 42004), (258, 42079), (259, 42100), (263, 42127), (267, 42172), (274, 42217), (285, 42280), (286, 42283), (293, 42304),

Gene: Casey_30 Start: 23059, Stop: 21395, Start Num: 14

Candidate Starts for Casey_30:

(Start: 14 @23059 has 165 MA's), (Start: 20 @23023 has 5 MA's), (22, 23005), (Start: 24 @22987 has 7 MA's), (30, 22921), (36, 22885), (39, 22861), (43, 22813), (49, 22771), (58, 22705), (63, 22660), (64, 22654), (78, 22531), (83, 22498), (90, 22468), (97, 22417), (106, 22357), (117, 22264), (129, 22192), (137, 22150), (138, 22141), (139, 22138), (140, 22129), (141, 22126), (143, 22099), (144, 22084), (148, 22057), (149, 22054), (167, 21961), (185, 21853), (193, 21826), (205, 21760), (211, 21736),

(213, 21715), (214, 21697), (219, 21640), (220, 21637), (242, 21472), (251, 21418),

Gene: Chako_33 Start: 23782, Stop: 22112, Start Num: 14

Candidate Starts for Chako_33:

(Start: 14 @23782 has 165 MA's), (Start: 20 @23749 has 5 MA's), (Start: 24 @23713 has 7 MA's), (28, 23656), (33, 23626), (34, 23620), (50, 23494), (63, 23386), (64, 23380), (79, 23254), (81, 23236), (83, 23224), (129, 22912), (137, 22870), (156, 22732), (211, 22447), (214, 22408), (220, 22351), (227, 22294), (233, 22249), (237, 22216), (240, 22207), (242, 22189), (248, 22156),

Gene: Chamuel_33 Start: 23777, Stop: 22107, Start Num: 14

Candidate Starts for Chamuel_33:

(Start: 14 @23777 has 165 MA's), (Start: 20 @23744 has 5 MA's), (Start: 24 @23708 has 7 MA's), (28, 23651), (33, 23621), (34, 23615), (50, 23489), (63, 23381), (64, 23375), (79, 23249), (83, 23219), (129, 22907), (137, 22865), (156, 22727), (211, 22442), (214, 22403), (220, 22346), (227, 22289), (233, 22244), (237, 22211), (242, 22184), (248, 22151),

Gene: Cheeto1_34 Start: 24251, Stop: 22590, Start Num: 14

Candidate Starts for Cheeto1_34:

(Start: 14 @24251 has 165 MA's), (Start: 20 @24218 has 5 MA's), (Start: 24 @24182 has 7 MA's), (36, 24080), (43, 24008), (45, 23999), (54, 23942), (58, 23900), (63, 23855), (64, 23849), (68, 23813), (83, 23693), (129, 23384), (143, 23291), (147, 23255), (185, 23036), (190, 23021), (193, 23009), (198, 22985), (211, 22919), (213, 22898), (214, 22880), (220, 22820), (233, 22718), (242, 22655),

Gene: Chepli_33 Start: 23166, Stop: 21499, Start Num: 14

Candidate Starts for Chepli_33:

(Start: 14 @23166 has 165 MA's), (Start: 20 @23133 has 5 MA's), (22, 23115), (Start: 23 @23103 has 1 MA's), (45, 22914), (54, 22857), (55, 22833), (64, 22764), (69, 22722), (79, 22638), (83, 22608), (86, 22596), (119, 22356), (129, 22293), (132, 22266), (134, 22263), (138, 22242), (144, 22185), (150, 22152), (161, 22095), (172, 22035), (183, 21957), (185, 21951), (211, 21834), (214, 21795), (224, 21711), (233, 21636), (235, 21627), (236, 21609), (237, 21603), (242, 21576), (254, 21513),

Gene: CherryonLim_62 Start: 43018, Stop: 45099, Start Num: 6

Candidate Starts for CherryonLim_62:

(4, 42982), (Start: 6 @43018 has 13 MA's), (15, 43057), (22, 43105), (27, 43141), (38, 43258), (56, 43408), (62, 43438), (66, 43474), (67, 43480), (85, 43642), (94, 43702), (96, 43714), (100, 43738), (102, 43750), (104, 43768), (114, 43852), (121, 43912), (123, 43933), (136, 44056), (138, 44074), (140, 44086), (145, 44134), (162, 44218), (169, 44254), (181, 44326), (186, 44353), (204, 44431), (215, 44512), (219, 44557), (222, 44566), (223, 44575), (225, 44590), (228, 44614), (234, 44662), (238, 44692), (239, 44698), (243, 44737), (250, 44779), (261, 44866), (263, 44878), (267, 44926), (274, 44971), (276, 44992), (280, 45010), (285, 45034), (286, 45037),

Gene: ChickenKing_33 Start: 24164, Stop: 22503, Start Num: 14

Candidate Starts for ChickenKing_33:

(Start: 14 @24164 has 165 MA's), (Start: 20 @24131 has 5 MA's), (Start: 24 @24095 has 7 MA's), (36, 23993), (43, 23921), (45, 23912), (54, 23855), (58, 23813), (63, 23768), (64, 23762), (68, 23726), (83, 23606), (129, 23297), (143, 23204), (147, 23168), (185, 22949), (190, 22934), (193, 22922), (198, 22898), (211, 22832), (214, 22793), (220, 22733), (233, 22631), (242, 22568),

Gene: ChickenTender_60 Start: 39537, Stop: 41531, Start Num: 13

Candidate Starts for ChickenTender_60:

(Start: 13 @39537 has 26 MA's), (38, 39753), (42, 39792), (44, 39807), (66, 39969), (70, 40011), (72, 40020), (77, 40077), (95, 40200), (103, 40251), (115, 40350), (116, 40362), (121, 40407), (136, 40521), (138, 40539), (140, 40551), (145, 40599), (154, 40656), (155, 40662), (162, 40683), (169,

40719), (186, 40800), (191, 40812), (202, 40863), (214, 40947), (219, 41004), (223, 41022), (228, 41061), (244, 41187), (258, 41262), (259, 41283), (274, 41400), (278, 41430), (285, 41463), (286, 41466), (293, 41487),

Gene: ChikPic_32 Start: 23727, Stop: 22045, Start Num: 14

Candidate Starts for ChikPic_32:

(Start: 14 @23727 has 165 MA's), (Start: 18 @23703 has 1 MA's), (Start: 20 @23694 has 5 MA's), (22, 23676), (Start: 23 @23664 has 1 MA's), (Start: 24 @23658 has 7 MA's), (32, 23577), (43, 23466), (45, 23457), (54, 23400), (64, 23307), (68, 23271), (72, 23247), (79, 23181), (81, 23163), (83, 23151), (96, 23073), (104, 23022), (134, 22806), (137, 22794), (139, 22782), (143, 22743), (144, 22728), (148, 22701), (159, 22644), (161, 22638), (185, 22497), (211, 22380), (213, 22359), (214, 22341), (220, 22284), (232, 22185), (234, 22176), (242, 22122),

Gene: ChocoMunchkin_57 Start: 39552, Stop: 41549, Start Num: 13

Candidate Starts for ChocoMunchkin_57:

(Start: 13 @39552 has 26 MA's), (38, 39768), (42, 39807), (66, 39984), (71, 40029), (72, 40035), (91, 40173), (95, 40215), (96, 40224), (100, 40248), (107, 40299), (115, 40365), (116, 40377), (121, 40422), (136, 40539), (138, 40557), (145, 40617), (154, 40674), (162, 40701), (169, 40737), (186, 40818), (191, 40830), (195, 40851), (212, 40941), (216, 40989), (219, 41022), (223, 41040), (225, 41055), (228, 41079), (244, 41205), (252, 41253), (258, 41280), (259, 41301), (263, 41328), (265, 41346), (267, 41373), (274, 41418), (277, 41442), (285, 41481), (286, 41484), (293, 41505), (295, 41523),

Gene: Christoph_33 Start: 23724, Stop: 22123, Start Num: 24

Candidate Starts for Christoph_33:

(Start: 14 @23793 has 165 MA's), (Start: 20 @23760 has 5 MA's), (Start: 24 @23724 has 7 MA's), (28, 23667), (33, 23637), (34, 23631), (50, 23505), (63, 23397), (64, 23391), (79, 23265), (83, 23235), (129, 22923), (137, 22881), (143, 22830), (211, 22458), (214, 22419), (220, 22362), (227, 22305), (233, 22260), (237, 22227), (240, 22218), (242, 22200), (248, 22167),

Gene: Clancy_33 Start: 23827, Stop: 22112, Start Num: 14

Candidate Starts for Clancy_33:

(Start: 14 @23827 has 165 MA's), (Start: 20 @23794 has 5 MA's), (Start: 24 @23758 has 7 MA's), (28, 23701), (33, 23671), (34, 23665), (50, 23539), (63, 23431), (64, 23425), (79, 23299), (83, 23269), (129, 22957), (137, 22915), (196, 22555), (203, 22489), (211, 22447), (214, 22408), (220, 22351), (227, 22294), (233, 22249), (237, 22216), (242, 22189), (248, 22156),

Gene: Cleo_51 Start: 38722, Stop: 40737, Start Num: 12

Candidate Starts for Cleo_51:

(Start: 12 @38722 has 10 MA's), (15, 38746), (17, 38755), (Start: 21 @38785 has 1 MA's), (26, 38821), (38, 38941), (47, 39016), (48, 39031), (70, 39199), (72, 39208), (76, 39262), (83, 39319), (85, 39325), (89, 39343), (91, 39346), (96, 39397), (102, 39433), (103, 39439), (107, 39472), (113, 39529), (116, 39550), (121, 39595), (127, 39643), (130, 39658), (140, 39739), (145, 39787), (160, 39868), (162, 39874), (169, 39910), (171, 39928), (186, 39997), (205, 40081), (208, 40090), (212, 40120), (214, 40144), (223, 40219), (228, 40258), (232, 40297), (233, 40300), (234, 40306), (244, 40384), (246, 40393), (252, 40432), (261, 40492), (263, 40504), (274, 40606), (279, 40642), (280, 40648), (281, 40651), (286, 40675),

Gene: Clock_31 Start: 24784, Stop: 23105, Start Num: 14

Candidate Starts for Clock_31:

(Start: 14 @24784 has 165 MA's), (Start: 24 @24715 has 7 MA's), (49, 24484), (54, 24460), (59, 24406), (63, 24373), (64, 24367), (68, 24331), (72, 24307), (83, 24211), (101, 24100), (129, 23893), (138, 23842), (144, 23785), (151, 23746), (156, 23713), (161, 23695), (183, 23554), (185, 23548),

(211, 23431), (214, 23392), (215, 23383), (219, 23338), (233, 23233), (240, 23191), (241, 23185),

Gene: ColaCorta_32 Start: 23711, Stop: 22029, Start Num: 14

Candidate Starts for ColaCorta_32:

(Start: 14 @23711 has 165 MA's), (Start: 18 @23687 has 1 MA's), (Start: 20 @23678 has 5 MA's), (22, 23660), (Start: 23 @23648 has 1 MA's), (Start: 24 @23642 has 7 MA's), (32, 23561), (43, 23450), (45, 23441), (54, 23384), (64, 23291), (68, 23255), (72, 23231), (79, 23165), (81, 23147), (83, 23135), (96, 23057), (104, 23006), (134, 22790), (137, 22778), (139, 22766), (143, 22727), (144, 22712), (148, 22685), (159, 22628), (161, 22622), (185, 22481), (211, 22364), (213, 22343), (214, 22325), (220, 22268), (232, 22169), (234, 22160), (242, 22106),

Gene: Convict_34 Start: 24097, Stop: 22427, Start Num: 14

Candidate Starts for Convict_34:

(Start: 14 @24097 has 165 MA's), (Start: 20 @24064 has 5 MA's), (Start: 24 @24028 has 7 MA's), (28, 23971), (33, 23941), (34, 23935), (50, 23809), (63, 23701), (64, 23695), (79, 23569), (83, 23539), (129, 23227), (137, 23185), (143, 23134), (211, 22762), (214, 22723), (220, 22666), (227, 22609), (233, 22564), (237, 22531), (240, 22522), (242, 22504), (248, 22471),

Gene: Cozz_56 Start: 39563, Stop: 41557, Start Num: 13

Candidate Starts for Cozz_56:

(Start: 13 @39563 has 26 MA's), (38, 39779), (42, 39818), (44, 39833), (70, 40037), (72, 40046), (77, 40103), (95, 40226), (103, 40277), (115, 40376), (116, 40388), (121, 40433), (136, 40547), (138, 40565), (140, 40577), (145, 40625), (154, 40682), (162, 40709), (169, 40745), (186, 40826), (191, 40838), (202, 40889), (214, 40973), (219, 41030), (223, 41048), (228, 41087), (244, 41213), (258, 41288), (259, 41309), (267, 41381), (274, 41426), (285, 41489), (286, 41492), (293, 41513),

Gene: Dave_34 Start: 24085, Stop: 22415, Start Num: 14

Candidate Starts for Dave_34:

(Start: 14 @24085 has 165 MA's), (Start: 20 @24052 has 5 MA's), (Start: 24 @24016 has 7 MA's), (28, 23959), (33, 23929), (34, 23923), (50, 23797), (63, 23689), (64, 23683), (79, 23557), (83, 23527), (129, 23215), (137, 23173), (143, 23122), (156, 23035), (211, 22750), (214, 22711), (220, 22654), (227, 22597), (233, 22552), (237, 22519), (240, 22510), (242, 22492), (248, 22459),

Gene: Delphidian_34 Start: 24096, Stop: 22426, Start Num: 14

Candidate Starts for Delphidian_34:

(Start: 14 @24096 has 165 MA's), (Start: 20 @24063 has 5 MA's), (Start: 24 @24027 has 7 MA's), (28, 23970), (33, 23940), (34, 23934), (50, 23808), (63, 23700), (64, 23694), (79, 23568), (83, 23538), (129, 23226), (137, 23184), (143, 23133), (156, 23046), (211, 22761), (214, 22722), (220, 22665), (227, 22608), (233, 22563), (237, 22530), (242, 22503), (248, 22470),

Gene: Den3_34 Start: 24102, Stop: 22432, Start Num: 14

Candidate Starts for Den3_34:

(Start: 14 @24102 has 165 MA's), (Start: 20 @24069 has 5 MA's), (Start: 24 @24033 has 7 MA's), (28, 23976), (33, 23946), (34, 23940), (50, 23814), (63, 23706), (64, 23700), (79, 23574), (83, 23544), (129, 23232), (137, 23190), (211, 22767), (214, 22728), (220, 22671), (227, 22614), (229, 22608), (233, 22569), (237, 22536), (240, 22527), (242, 22509), (248, 22476),

Gene: Dothraki_34 Start: 24099, Stop: 22429, Start Num: 14

Candidate Starts for Dothraki_34:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (Start: 24 @24030 has 7 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (156, 23049), (211, 22764), (214, 22725), (220, 22668), (227, 22611), (233, 22566), (237, 22533), (240, 22524), (242, 22506), (248, 22473),

Gene: Dre3_54 Start: 39566, Stop: 41581, Start Num: 12

Candidate Starts for Dre3_54:

(Start: 12 @39566 has 10 MA's), (15, 39590), (17, 39599), (Start: 21 @39629 has 1 MA's), (26, 39665), (38, 39785), (47, 39860), (48, 39875), (70, 40043), (72, 40052), (76, 40106), (83, 40163), (85, 40169), (89, 40187), (91, 40190), (96, 40241), (102, 40277), (103, 40283), (107, 40316), (113, 40373), (116, 40394), (121, 40439), (127, 40487), (130, 40502), (140, 40583), (145, 40631), (156, 40697), (160, 40712), (162, 40718), (169, 40754), (171, 40772), (186, 40841), (205, 40925), (208, 40934), (212, 40964), (214, 40988), (223, 41063), (228, 41102), (233, 41144), (234, 41150), (244, 41228), (246, 41237), (252, 41276), (261, 41336), (263, 41348), (273, 41426), (274, 41450), (279, 41486), (280, 41492), (281, 41495), (286, 41519),

Gene: Duocatuli_33 Start: 23713, Stop: 22112, Start Num: 24

Candidate Starts for Duocatuli_33:

(Start: 14 @23782 has 165 MA's), (Start: 20 @23749 has 5 MA's), (Start: 24 @23713 has 7 MA's), (28, 23656), (33, 23626), (34, 23620), (50, 23494), (63, 23386), (64, 23380), (79, 23254), (83, 23224), (129, 22912), (137, 22870), (143, 22819), (156, 22732), (211, 22447), (214, 22408), (220, 22351), (227, 22294), (233, 22249), (237, 22216), (240, 22207), (242, 22189), (248, 22156),

Gene: Eleri_32 Start: 23724, Stop: 22042, Start Num: 14

Candidate Starts for Eleri_32:

(Start: 14 @23724 has 165 MA's), (Start: 18 @23700 has 1 MA's), (Start: 20 @23691 has 5 MA's), (22, 23673), (Start: 23 @23661 has 1 MA's), (Start: 24 @23655 has 7 MA's), (32, 23574), (43, 23463), (45, 23454), (54, 23397), (64, 23304), (68, 23268), (72, 23244), (79, 23178), (81, 23160), (83, 23148), (96, 23070), (104, 23019), (134, 22803), (137, 22791), (139, 22779), (143, 22740), (144, 22725), (148, 22698), (159, 22641), (161, 22635), (185, 22494), (211, 22377), (213, 22356), (214, 22338), (220, 22281), (232, 22182), (234, 22173), (242, 22119),

Gene: Elinal_66 Start: 42347, Stop: 44428, Start Num: 6

Candidate Starts for Elinal_66:

(4, 42311), (Start: 6 @42347 has 13 MA's), (15, 42386), (22, 42434), (27, 42470), (38, 42587), (44, 42641), (56, 42737), (62, 42767), (66, 42803), (67, 42809), (77, 42911), (85, 42971), (94, 43031), (96, 43043), (100, 43067), (102, 43079), (104, 43097), (109, 43142), (114, 43181), (121, 43241), (138, 43403), (140, 43415), (145, 43463), (162, 43547), (169, 43583), (181, 43655), (186, 43682), (219, 43886), (220, 43889), (222, 43895), (223, 43904), (225, 43919), (228, 43943), (234, 43991), (238, 44021), (239, 44027), (250, 44108), (260, 44186), (262, 44204), (267, 44255), (270, 44273), (274, 44300), (276, 44321), (285, 44363), (286, 44366),

Gene: Elliott_58 Start: 39859, Stop: 41853, Start Num: 13

Candidate Starts for Elliott_58:

(Start: 13 @39859 has 26 MA's), (38, 40075), (42, 40114), (44, 40129), (66, 40291), (70, 40333), (72, 40342), (77, 40399), (95, 40522), (103, 40573), (115, 40672), (116, 40684), (121, 40729), (136, 40843), (138, 40861), (140, 40873), (145, 40921), (154, 40978), (155, 40984), (162, 41005), (169, 41041), (186, 41122), (191, 41134), (202, 41185), (214, 41269), (219, 41326), (223, 41344), (228, 41383), (244, 41509), (258, 41584), (259, 41605), (263, 41632), (267, 41677), (274, 41722), (285, 41785), (286, 41788), (293, 41809),

Gene: Emalyn_57 Start: 38879, Stop: 40876, Start Num: 13

Candidate Starts for Emalyn_57:

(Start: 13 @38879 has 26 MA's), (38, 39095), (42, 39134), (66, 39311), (72, 39362), (77, 39419), (91, 39500), (92, 39512), (94, 39539), (95, 39542), (99, 39563), (115, 39692), (116, 39704), (121, 39749), (140, 39896), (145, 39944), (150, 39974), (152, 39983), (169, 40064), (186, 40145), (212, 40268), (219, 40349), (223, 40367), (228, 40406), (244, 40532), (259, 40628), (263, 40655), (265, 40673),

(267, 40700), (274, 40745), (277, 40769), (282, 40793), (285, 40808), (286, 40811), (293, 40832), (295, 40850),

Gene: Endor_34 Start: 24429, Stop: 22732, Start Num: 14

Candidate Starts for Endor_34:

(Start: 14 @24429 has 165 MA's), (22, 24378), (Start: 23 @24366 has 1 MA's), (Start: 24 @24360 has 7 MA's), (43, 24159), (48, 24120), (50, 24114), (58, 24051), (63, 24006), (72, 23940), (80, 23859), (82, 23853), (129, 23535), (137, 23493), (143, 23442), (147, 23406), (156, 23355), (181, 23208), (211, 23067), (214, 23028), (219, 22974), (220, 22971), (227, 22914), (233, 22869), (237, 22836), (241, 22821), (242, 22809), (248, 22776),

Gene: Erla_33 Start: 23775, Stop: 22105, Start Num: 14

Candidate Starts for Erla_33:

(Start: 14 @23775 has 165 MA's), (Start: 20 @23742 has 5 MA's), (Start: 24 @23706 has 7 MA's), (28, 23649), (33, 23619), (34, 23613), (50, 23487), (63, 23379), (64, 23373), (79, 23247), (83, 23217), (129, 22905), (137, 22863), (156, 22725), (211, 22440), (214, 22401), (220, 22344), (227, 22287), (233, 22242), (237, 22209), (242, 22182), (248, 22149),

Gene: Espinosa_33 Start: 23793, Stop: 22123, Start Num: 14

Candidate Starts for Espinosa_33:

(Start: 14 @23793 has 165 MA's), (Start: 20 @23760 has 5 MA's), (Start: 24 @23724 has 7 MA's), (28, 23667), (33, 23637), (34, 23631), (50, 23505), (63, 23397), (64, 23391), (79, 23265), (83, 23235), (129, 22923), (137, 22881), (143, 22830), (211, 22458), (214, 22419), (220, 22362), (227, 22305), (233, 22260), (237, 22227), (240, 22218), (242, 22200), (248, 22167),

Gene: Etna_33 Start: 24204, Stop: 22462, Start Num: 14

Candidate Starts for Etna_33:

(Start: 14 @24204 has 165 MA's), (22, 24153), (Start: 23 @24141 has 1 MA's), (Start: 24 @24135 has 7 MA's), (43, 23934), (48, 23895), (50, 23889), (58, 23826), (63, 23781), (80, 23634), (82, 23628), (83, 23619), (86, 23607), (129, 23310), (130, 23301), (137, 23268), (143, 23217), (147, 23181), (156, 23130), (181, 22983), (196, 22905), (197, 22875), (199, 22860), (211, 22797), (214, 22758), (220, 22701), (227, 22644), (233, 22599), (237, 22566), (242, 22539), (248, 22506),

Gene: Etta_33 Start: 23779, Stop: 22109, Start Num: 14

Candidate Starts for Etta_33:

(Start: 14 @23779 has 165 MA's), (Start: 20 @23746 has 5 MA's), (Start: 24 @23710 has 7 MA's), (28, 23653), (33, 23623), (34, 23617), (50, 23491), (63, 23383), (64, 23377), (79, 23251), (83, 23221), (129, 22909), (137, 22867), (156, 22729), (211, 22444), (214, 22405), (220, 22348), (227, 22291), (233, 22246), (237, 22213), (242, 22186), (248, 22153),

Gene: Exploradora_34 Start: 23713, Stop: 22112, Start Num: 24

Candidate Starts for Exploradora_34:

(Start: 14 @23782 has 165 MA's), (Start: 20 @23749 has 5 MA's), (Start: 24 @23713 has 7 MA's), (28, 23656), (33, 23626), (34, 23620), (50, 23494), (63, 23386), (64, 23380), (79, 23254), (81, 23236), (129, 22912), (137, 22870), (156, 22732), (211, 22447), (214, 22408), (220, 22351), (227, 22294), (233, 22249), (237, 22216), (240, 22207), (242, 22189), (248, 22156),

Gene: FF47_52 Start: 39928, Stop: 41853, Start Num: 13

Candidate Starts for FF47_52:

(Start: 13 @39928 has 26 MA's), (22, 39994), (31, 40090), (38, 40141), (39, 40144), (58, 40300), (77, 40465), (87, 40534), (102, 40639), (112, 40732), (120, 40798), (145, 40999), (147, 41017), (164, 41095), (168, 41119), (171, 41140), (184, 41215), (190, 41230), (191, 41233), (194, 41245), (212, 41344), (213, 41350), (214, 41368), (216, 41392), (220, 41428), (222, 41434), (228, 41482), (234,

41530), (247, 41620),

Gene: FarmerDoug_33 Start: 24070, Stop: 22373, Start Num: 14

Candidate Starts for FarmerDoug_33:

(Start: 14 @24070 has 165 MA's), (22, 24019), (Start: 23 @24007 has 1 MA's), (Start: 24 @24001 has 7 MA's), (32, 23920), (33, 23914), (43, 23800), (45, 23791), (50, 23755), (58, 23692), (63, 23647), (72, 23581), (82, 23494), (129, 23176), (137, 23134), (143, 23083), (147, 23047), (156, 22996), (181, 22849), (211, 22708), (214, 22669), (219, 22615), (220, 22612), (227, 22555), (233, 22510), (237, 22477), (241, 22462), (242, 22450), (248, 22417),

Gene: Feastonyeet_61 Start: 41539, Stop: 43620, Start Num: 6

Candidate Starts for Feastonyeet_61:

(4, 41503), (Start: 6 @41539 has 13 MA's), (15, 41578), (22, 41626), (27, 41662), (38, 41779), (56, 41929), (62, 41959), (66, 41995), (67, 42001), (77, 42103), (85, 42163), (88, 42178), (94, 42223), (96, 42235), (102, 42271), (104, 42289), (109, 42334), (114, 42373), (121, 42433), (123, 42454), (138, 42595), (140, 42607), (145, 42655), (162, 42739), (169, 42775), (181, 42847), (186, 42874), (219, 43078), (220, 43081), (222, 43087), (223, 43096), (225, 43111), (228, 43135), (234, 43183), (238, 43213), (239, 43219), (250, 43300), (263, 43399), (267, 43447), (274, 43492), (276, 43513), (285, 43555), (286, 43558),

Gene: Figueroism_34 Start: 24084, Stop: 22414, Start Num: 14

Candidate Starts for Figueroism_34:

(Start: 14 @24084 has 165 MA's), (Start: 20 @24051 has 5 MA's), (Start: 24 @24015 has 7 MA's), (28, 23958), (33, 23928), (34, 23922), (50, 23796), (63, 23688), (64, 23682), (79, 23556), (83, 23526), (129, 23214), (137, 23172), (143, 23121), (156, 23034), (211, 22749), (214, 22710), (220, 22653), (227, 22596), (233, 22551), (237, 22518), (242, 22491), (248, 22458),

Gene: Finny_32 Start: 23764, Stop: 22082, Start Num: 14

Candidate Starts for Finny_32:

(Start: 14 @23764 has 165 MA's), (Start: 18 @23740 has 1 MA's), (Start: 20 @23731 has 5 MA's), (22, 23713), (Start: 23 @23701 has 1 MA's), (Start: 24 @23695 has 7 MA's), (32, 23614), (43, 23503), (54, 23437), (64, 23344), (68, 23308), (72, 23284), (79, 23218), (81, 23200), (83, 23188), (96, 23110), (104, 23059), (134, 22843), (137, 22831), (143, 22780), (144, 22765), (148, 22738), (161, 22675), (185, 22534), (211, 22417), (213, 22396), (214, 22378), (220, 22321), (232, 22222), (234, 22213), (242, 22159),

Gene: Fribs8_53 Start: 39638, Stop: 41656, Start Num: 12

Candidate Starts for Fribs8_53:

(Start: 12 @39638 has 10 MA's), (15, 39662), (26, 39737), (38, 39857), (46, 39923), (47, 39932), (48, 39947), (70, 40115), (77, 40181), (85, 40241), (89, 40259), (91, 40262), (96, 40313), (102, 40349), (103, 40355), (107, 40388), (113, 40445), (116, 40466), (121, 40511), (127, 40559), (130, 40574), (133, 40607), (140, 40655), (145, 40703), (158, 40775), (160, 40784), (166, 40817), (177, 40886), (186, 40919), (205, 41003), (208, 41012), (212, 41042), (214, 41066), (223, 41141), (228, 41180), (234, 41228), (244, 41306), (247, 41318), (252, 41354), (261, 41411), (263, 41423), (273, 41501), (274, 41525), (278, 41558), (279, 41561), (280, 41567), (281, 41570), (286, 41594), (292, 41612), (295, 41633),

Gene: Fulton_31 Start: 21944, Stop: 20277, Start Num: 14

Candidate Starts for Fulton_31:

(Start: 14 @21944 has 165 MA's), (Start: 20 @21911 has 5 MA's), (Start: 24 @21875 has 7 MA's), (28, 21818), (48, 21662), (52, 21650), (54, 21635), (59, 21581), (64, 21542), (69, 21500), (72, 21482), (79, 21416), (80, 21401), (83, 21386), (85, 21377), (129, 21068), (132, 21041), (138, 21017), (142, 20981), (143, 20975), (165, 20855), (185, 20723), (211, 20606), (214, 20567), (219, 20513), (233, 20408),

(240, 20366), (241, 20360),

Gene: GTE2_47 Start: 39509, Stop: 41506, Start Num: 13

Candidate Starts for GTE2_47:

(Start: 13 @39509 has 26 MA's), (38, 39725), (42, 39764), (66, 39941), (71, 39986), (72, 39992), (91, 40130), (95, 40172), (96, 40181), (100, 40205), (115, 40322), (116, 40334), (121, 40379), (140, 40526), (145, 40574), (152, 40613), (169, 40694), (186, 40775), (212, 40898), (216, 40946), (219, 40979), (223, 40997), (225, 41012), (228, 41036), (244, 41162), (252, 41210), (258, 41237), (259, 41258), (263, 41285), (265, 41303), (267, 41330), (274, 41375), (277, 41399), (285, 41438), (286, 41441), (293, 41462),

Gene: GaeCeo_34 Start: 24400, Stop: 22739, Start Num: 14

Candidate Starts for GaeCeo_34:

(1, 24550), (Start: 14 @24400 has 165 MA's), (Start: 20 @24367 has 5 MA's), (Start: 24 @24331 has 7 MA's), (36, 24229), (43, 24157), (45, 24148), (54, 24091), (58, 24049), (63, 24004), (64, 23998), (68, 23962), (83, 23842), (129, 23533), (143, 23440), (147, 23404), (185, 23185), (190, 23170), (193, 23158), (198, 23134), (211, 23068), (214, 23029), (220, 22969), (233, 22867), (242, 22804),

Gene: GardenB_33 Start: 24193, Stop: 22463, Start Num: 14

Candidate Starts for GardenB_33:

(Start: 14 @24193 has 165 MA's), (Start: 18 @24169 has 1 MA's), (22, 24142), (Start: 23 @24130 has 1 MA's), (Start: 24 @24124 has 7 MA's), (48, 23896), (50, 23890), (58, 23827), (63, 23782), (72, 23716), (83, 23620), (86, 23608), (129, 23311), (130, 23302), (137, 23269), (143, 23218), (147, 23182), (156, 23131), (181, 22984), (196, 22906), (197, 22876), (199, 22861), (211, 22798), (214, 22759), (220, 22702), (227, 22645), (233, 22600), (237, 22567), (241, 22552), (242, 22540), (248, 22507),

Gene: Garey24_33 Start: 23758, Stop: 22088, Start Num: 14

Candidate Starts for Garey24_33:

(Start: 14 @23758 has 165 MA's), (Start: 20 @23725 has 5 MA's), (Start: 24 @23689 has 7 MA's), (28, 23632), (33, 23602), (34, 23596), (50, 23470), (63, 23362), (64, 23356), (79, 23230), (83, 23200), (129, 22888), (137, 22846), (143, 22795), (156, 22708), (211, 22423), (214, 22384), (220, 22327), (227, 22270), (233, 22225), (237, 22192), (242, 22165), (248, 22132),

Gene: Gargoyle_34 Start: 24099, Stop: 22429, Start Num: 14

Candidate Starts for Gargoyle_34:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (Start: 24 @24030 has 7 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (211, 22764), (214, 22725), (220, 22668), (227, 22611), (233, 22566), (237, 22533), (240, 22524), (242, 22506), (248, 22473),

Gene: Gelo_33 Start: 23779, Stop: 22109, Start Num: 14

Candidate Starts for Gelo_33:

(Start: 14 @23779 has 165 MA's), (Start: 20 @23746 has 5 MA's), (Start: 24 @23710 has 7 MA's), (28, 23653), (33, 23623), (34, 23617), (50, 23491), (63, 23383), (64, 23377), (79, 23251), (83, 23221), (129, 22909), (137, 22867), (156, 22729), (211, 22444), (214, 22405), (220, 22348), (227, 22291), (233, 22246), (237, 22213), (242, 22186), (248, 22153),

Gene: Gershwin_33 Start: 23795, Stop: 22125, Start Num: 14

Candidate Starts for Gershwin_33:

(Start: 14 @23795 has 165 MA's), (Start: 20 @23762 has 5 MA's), (Start: 24 @23726 has 7 MA's), (28, 23669), (33, 23639), (34, 23633), (50, 23507), (63, 23399), (64, 23393), (79, 23267), (83, 23237), (129, 22925), (137, 22883), (143, 22832), (211, 22460), (214, 22421), (220, 22364), (227, 22307), (233,

22262), (237, 22229), (240, 22220), (242, 22202), (248, 22169),

Gene: GiKK_63 Start: 41097, Stop: 43061, Start Num: 21

Candidate Starts for GiKK_63:

(Start: 8 @41019 has 3 MA's), (17, 41061), (Start: 21 @41097 has 1 MA's), (38, 41250), (39, 41253), (42, 41289), (46, 41316), (48, 41340), (51, 41349), (56, 41400), (59, 41418), (75, 41568), (83, 41628), (96, 41706), (100, 41730), (102, 41742), (103, 41748), (115, 41847), (116, 41859), (118, 41892), (131, 41991), (133, 42009), (136, 42027), (139, 42048), (140, 42057), (146, 42117), (160, 42183), (162, 42189), (169, 42225), (178, 42288), (181, 42297), (186, 42324), (201, 42384), (202, 42387), (205, 42408), (214, 42471), (219, 42528), (222, 42537), (223, 42546), (228, 42585), (233, 42627), (234, 42633), (252, 42759), (258, 42795), (261, 42831), (263, 42843), (281, 42969), (285, 42990),

Gene: Gibbous_54 Start: 39566, Stop: 41581, Start Num: 12

Candidate Starts for Gibbous_54:

(Start: 12 @39566 has 10 MA's), (15, 39590), (17, 39599), (Start: 21 @39629 has 1 MA's), (26, 39665), (38, 39785), (47, 39860), (48, 39875), (70, 40043), (72, 40052), (76, 40106), (83, 40163), (85, 40169), (89, 40187), (91, 40190), (96, 40241), (102, 40277), (103, 40283), (107, 40316), (113, 40373), (116, 40394), (121, 40439), (127, 40487), (130, 40502), (140, 40583), (145, 40631), (156, 40697), (160, 40712), (162, 40718), (169, 40754), (171, 40772), (186, 40841), (205, 40925), (208, 40934), (212, 40964), (214, 40988), (223, 41063), (228, 41102), (233, 41144), (234, 41150), (244, 41228), (246, 41237), (252, 41276), (261, 41336), (263, 41348), (273, 41426), (274, 41450), (279, 41486), (280, 41492), (281, 41495), (286, 41519),

Gene: Glamour_31 Start: 23712, Stop: 22030, Start Num: 14

Candidate Starts for Glamour_31:

(Start: 14 @23712 has 165 MA's), (Start: 18 @23688 has 1 MA's), (Start: 20 @23679 has 5 MA's), (22, 23661), (Start: 23 @23649 has 1 MA's), (Start: 24 @23643 has 7 MA's), (32, 23562), (43, 23451), (45, 23442), (54, 23385), (64, 23292), (68, 23256), (72, 23232), (79, 23166), (81, 23148), (83, 23136), (96, 23058), (104, 23007), (134, 22791), (137, 22779), (139, 22767), (143, 22728), (144, 22713), (148, 22686), (159, 22629), (161, 22623), (185, 22482), (211, 22365), (213, 22344), (214, 22326), (220, 22269), (232, 22170), (234, 22161), (242, 22107),

Gene: GoldHunter_59 Start: 39976, Stop: 41970, Start Num: 13

Candidate Starts for GoldHunter_59:

(Start: 13 @39976 has 26 MA's), (38, 40192), (42, 40231), (44, 40246), (66, 40408), (70, 40450), (72, 40459), (77, 40516), (95, 40639), (103, 40690), (115, 40789), (116, 40801), (121, 40846), (131, 40924), (136, 40960), (138, 40978), (140, 40990), (145, 41038), (154, 41095), (162, 41122), (169, 41158), (186, 41239), (191, 41251), (202, 41302), (214, 41386), (219, 41443), (223, 41461), (228, 41500), (244, 41626), (258, 41701), (259, 41722), (263, 41749), (267, 41794), (274, 41839), (285, 41902), (286, 41905), (293, 41926),

Gene: Golden_31 Start: 23730, Stop: 22096, Start Num: 20

Candidate Starts for Golden_31:

(Start: 14 @23763 has 165 MA's), (Start: 20 @23730 has 5 MA's), (Start: 24 @23694 has 7 MA's), (26, 23682), (45, 23511), (58, 23412), (63, 23367), (64, 23361), (76, 23256), (83, 23205), (110, 23016), (129, 22884), (130, 22875), (137, 22842), (143, 22791), (148, 22749), (161, 22686), (181, 22569), (185, 22545), (190, 22530), (205, 22452), (206, 22449), (211, 22428), (214, 22389), (220, 22332), (226, 22284), (242, 22167), (246, 22146),

Gene: Greenlvy_31 Start: 22530, Stop: 20863, Start Num: 14

Candidate Starts for Greenlvy_31:

(Start: 14 @22530 has 165 MA's), (Start: 20 @22497 has 5 MA's), (Start: 24 @22461 has 7 MA's), (28, 22404), (48, 22248), (52, 22236), (54, 22221), (59, 22167), (64, 22128), (69, 22086), (72, 22068), (79,

22002), (80, 21987), (83, 21972), (85, 21963), (129, 21654), (132, 21627), (138, 21603), (142, 21567), (143, 21561), (165, 21441), (183, 21315), (185, 21309), (211, 21192), (214, 21153), (219, 21099), (233, 20994), (240, 20952), (241, 20946),

Gene: Greys_34 Start: 24026, Stop: 22425, Start Num: 24

Candidate Starts for Greys_34:

(Start: 14 @24095 has 165 MA's), (Start: 20 @24062 has 5 MA's), (Start: 24 @24026 has 7 MA's), (28, 23969), (33, 23939), (34, 23933), (50, 23807), (63, 23699), (64, 23693), (79, 23567), (83, 23537), (129, 23225), (137, 23183), (211, 22760), (214, 22721), (220, 22664), (227, 22607), (229, 22601), (233, 22562), (237, 22529), (240, 22520), (242, 22502), (248, 22469),

Gene: Gubbabump_33 Start: 23784, Stop: 22114, Start Num: 14

Candidate Starts for Gubbabump_33:

(Start: 14 @23784 has 165 MA's), (Start: 20 @23751 has 5 MA's), (Start: 24 @23715 has 7 MA's), (28, 23658), (33, 23628), (34, 23622), (50, 23496), (63, 23388), (64, 23382), (79, 23256), (81, 23238), (83, 23226), (129, 22914), (137, 22872), (156, 22734), (211, 22449), (214, 22410), (220, 22353), (227, 22296), (233, 22251), (237, 22218), (240, 22209), (242, 22191), (248, 22158),

Gene: Guetzie_31 Start: 23718, Stop: 22084, Start Num: 20

Candidate Starts for Guetzie_31:

(Start: 14 @23751 has 165 MA's), (Start: 20 @23718 has 5 MA's), (Start: 24 @23682 has 7 MA's), (26, 23670), (45, 23499), (58, 23400), (63, 23355), (64, 23349), (76, 23244), (83, 23193), (110, 23004), (129, 22872), (130, 22863), (137, 22830), (143, 22779), (148, 22737), (161, 22674), (181, 22557), (185, 22533), (190, 22518), (206, 22437), (211, 22416), (214, 22377), (220, 22320), (226, 22272), (242, 22155), (246, 22134),

Gene: HairyMan_31 Start: 22903, Stop: 21242, Start Num: 14

Candidate Starts for HairyMan_31:

(3, 22984), (Start: 14 @22903 has 165 MA's), (Start: 20 @22870 has 5 MA's), (Start: 23 @22840 has 1 MA's), (45, 22654), (50, 22618), (54, 22597), (59, 22543), (64, 22504), (68, 22468), (74, 22432), (79, 22378), (81, 22360), (83, 22348), (129, 22033), (143, 21940), (154, 21865), (156, 21853), (185, 21694), (211, 21577), (213, 21556), (214, 21538), (220, 21481), (232, 21382), (237, 21346), (242, 21319),

Gene: Hamlet_33 Start: 24202, Stop: 22460, Start Num: 14

Candidate Starts for Hamlet_33:

(Start: 14 @24202 has 165 MA's), (22, 24151), (Start: 23 @24139 has 1 MA's), (Start: 24 @24133 has 7 MA's), (33, 24046), (43, 23932), (48, 23893), (50, 23887), (58, 23824), (63, 23779), (80, 23632), (82, 23626), (83, 23617), (86, 23605), (129, 23308), (130, 23299), (137, 23266), (143, 23215), (147, 23179), (156, 23128), (181, 22981), (196, 22903), (197, 22873), (203, 22837), (211, 22795), (214, 22756), (220, 22699), (227, 22642), (233, 22597), (237, 22564), (242, 22537), (248, 22504),

Gene: HanSolo_33 Start: 23782, Stop: 22112, Start Num: 14

Candidate Starts for HanSolo_33:

(Start: 14 @23782 has 165 MA's), (Start: 20 @23749 has 5 MA's), (Start: 24 @23713 has 7 MA's), (28, 23656), (33, 23626), (34, 23620), (50, 23494), (63, 23386), (64, 23380), (79, 23254), (81, 23236), (83, 23224), (129, 22912), (137, 22870), (156, 22732), (211, 22447), (214, 22408), (220, 22351), (227, 22294), (233, 22249), (237, 22216), (240, 22207), (242, 22189), (248, 22156),

Gene: HankSprout_34 Start: 23662, Stop: 21992, Start Num: 14

Candidate Starts for HankSprout_34:

(Start: 14 @23662 has 165 MA's), (Start: 20 @23629 has 5 MA's), (Start: 24 @23593 has 7 MA's), (28, 23536), (33, 23506), (34, 23500), (50, 23374), (63, 23266), (64, 23260), (79, 23134), (81, 23116), (83,

23104), (129, 22792), (137, 22750), (156, 22612), (211, 22327), (214, 22288), (220, 22231), (227, 22174), (233, 22129), (237, 22096), (240, 22087), (242, 22069), (248, 22036),

Gene: Hasitha_31 Start: 21956, Stop: 20289, Start Num: 14

Candidate Starts for Hasitha_31:

(Start: 14 @21956 has 165 MA's), (Start: 20 @21923 has 5 MA's), (Start: 24 @21887 has 7 MA's), (28, 21830), (48, 21674), (52, 21662), (54, 21647), (59, 21593), (64, 21554), (69, 21512), (72, 21494), (79, 21428), (80, 21413), (83, 21398), (85, 21389), (129, 21080), (132, 21053), (138, 21029), (142, 20993), (143, 20987), (150, 20939), (165, 20867), (185, 20735), (211, 20618), (214, 20579), (219, 20525), (220, 20522), (233, 20420), (240, 20378), (241, 20372),

Gene: HerculesXL_32 Start: 22418, Stop: 20745, Start Num: 14

Candidate Starts for HerculesXL_32:

(Start: 14 @22418 has 165 MA's), (22, 22367), (Start: 24 @22349 has 7 MA's), (45, 22154), (58, 22055), (63, 22010), (64, 22004), (68, 21968), (69, 21962), (80, 21863), (83, 21848), (129, 21533), (144, 21425), (161, 21335), (172, 21275), (206, 21095), (211, 21074), (214, 21035), (220, 20978), (231, 20900), (233, 20876), (241, 20828),

Gene: Hexbug_63 Start: 41889, Stop: 43901, Start Num: 11

Candidate Starts for Hexbug_63:

(Start: 11 @41889 has 3 MA's), (22, 41964), (38, 42111), (39, 42114), (42, 42150), (56, 42261), (66, 42327), (99, 42579), (100, 42591), (102, 42603), (103, 42609), (115, 42708), (116, 42720), (120, 42762), (121, 42765), (122, 42768), (125, 42792), (127, 42813), (136, 42888), (140, 42918), (145, 42966), (156, 43032), (162, 43053), (169, 43089), (176, 43149), (181, 43161), (186, 43188), (200, 43239), (201, 43248), (205, 43272), (215, 43347), (219, 43392), (222, 43401), (223, 43410), (228, 43449), (233, 43491), (234, 43497), (247, 43587), (252, 43623), (261, 43692), (265, 43722), (281, 43827), (293, 43872),

Gene: HippoPololi_54 Start: 38874, Stop: 40883, Start Num: 12

Candidate Starts for HippoPololi_54:

(Start: 12 @38874 has 10 MA's), (15, 38898), (17, 38907), (26, 38973), (38, 39093), (53, 39198), (70, 39351), (76, 39414), (82, 39462), (83, 39471), (85, 39477), (89, 39495), (91, 39498), (96, 39549), (102, 39585), (103, 39591), (107, 39624), (113, 39681), (116, 39702), (121, 39747), (130, 39810), (140, 39891), (145, 39939), (151, 39975), (154, 39996), (160, 40020), (169, 40062), (171, 40080), (186, 40149), (205, 40233), (208, 40242), (212, 40272), (219, 40353), (223, 40371), (228, 40410), (233, 40452), (234, 40458), (236, 40479), (244, 40536), (246, 40545), (252, 40584), (261, 40638), (263, 40650), (274, 40752), (279, 40788), (280, 40794), (281, 40797), (286, 40821),

Gene: Horseradish_60 Start: 39690, Stop: 41687, Start Num: 13

Candidate Starts for Horseradish_60:

(Start: 13 @39690 has 26 MA's), (38, 39906), (42, 39945), (72, 40173), (91, 40311), (92, 40323), (95, 40353), (100, 40386), (113, 40494), (115, 40503), (116, 40515), (121, 40560), (140, 40707), (145, 40755), (150, 40785), (152, 40794), (169, 40875), (186, 40956), (212, 41079), (219, 41160), (222, 41169), (223, 41178), (228, 41217), (244, 41343), (252, 41391), (258, 41418), (263, 41466), (265, 41484), (266, 41505), (267, 41511), (274, 41556), (285, 41619), (286, 41622), (293, 41643),

Gene: HungryHenry_33 Start: 23793, Stop: 22123, Start Num: 14

Candidate Starts for HungryHenry_33:

(Start: 14 @23793 has 165 MA's), (Start: 20 @23760 has 5 MA's), (Start: 24 @23724 has 7 MA's), (28, 23667), (33, 23637), (34, 23631), (50, 23505), (63, 23397), (64, 23391), (79, 23265), (83, 23235), (129, 22923), (137, 22881), (156, 22743), (211, 22458), (214, 22419), (220, 22362), (227, 22305), (233, 22260), (237, 22227), (240, 22218), (242, 22200), (248, 22167),

Gene: Huwbert_96 Start: 56318, Stop: 58402, Start Num: 9

Candidate Starts for Huwbert_96:

(Start: 9 @56318 has 2 MA's), (37, 56531), (42, 56585), (61, 56729), (65, 56762), (94, 57011), (98, 57029), (113, 57155), (116, 57176), (118, 57209), (148, 57458), (151, 57470), (157, 57506), (162, 57524), (175, 57617), (188, 57689), (202, 57767), (206, 57791), (210, 57809), (211, 57812), (214, 57851), (217, 57881), (221, 57914), (223, 57926), (228, 57962), (230, 57974), (238, 58034), (245, 58082), (272, 58256), (278, 58316), (284, 58343),

Gene: Ilzat_33 Start: 23792, Stop: 22122, Start Num: 14

Candidate Starts for Ilzat_33:

(Start: 14 @23792 has 165 MA's), (Start: 20 @23759 has 5 MA's), (Start: 24 @23723 has 7 MA's), (28, 23666), (33, 23636), (34, 23630), (50, 23504), (63, 23396), (64, 23390), (79, 23264), (83, 23234), (129, 22922), (137, 22880), (156, 22742), (211, 22457), (214, 22418), (220, 22361), (227, 22304), (233, 22259), (237, 22226), (240, 22217), (242, 22199), (248, 22166),

Gene: Inventa_34 Start: 24099, Stop: 22429, Start Num: 14

Candidate Starts for Inventa_34:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (Start: 24 @24030 has 7 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (156, 23049), (211, 22764), (214, 22725), (220, 22668), (227, 22611), (233, 22566), (237, 22533), (240, 22524), (242, 22506), (248, 22473),

Gene: loannes_34 Start: 24097, Stop: 22427, Start Num: 14

Candidate Starts for loannes_34:

(Start: 14 @24097 has 165 MA's), (Start: 20 @24064 has 5 MA's), (Start: 24 @24028 has 7 MA's), (28, 23971), (33, 23941), (34, 23935), (50, 23809), (63, 23701), (64, 23695), (79, 23569), (81, 23551), (83, 23539), (129, 23227), (137, 23185), (143, 23134), (211, 22762), (214, 22723), (220, 22666), (227, 22609), (233, 22564), (237, 22531), (240, 22522), (242, 22504), (248, 22471),

Gene: Ixel_32 Start: 22378, Stop: 20696, Start Num: 14

Candidate Starts for Ixel_32:

(Start: 14 @22378 has 165 MA's), (Start: 18 @22354 has 1 MA's), (Start: 20 @22345 has 5 MA's), (54, 22051), (63, 21964), (64, 21958), (76, 21853), (83, 21802), (129, 21484), (132, 21457), (172, 21226), (187, 21136), (211, 21025), (214, 20986), (215, 20977), (220, 20929), (231, 20851), (233, 20827), (237, 20794),

Gene: JacoRen57_50 Start: 40975, Stop: 42969, Start Num: 12

Candidate Starts for JacoRen57_50:

(Start: 12 @40975 has 10 MA's), (22, 41044), (25, 41065), (38, 41191), (58, 41350), (82, 41560), (96, 41653), (101, 41686), (102, 41689), (105, 41716), (108, 41740), (111, 41776), (112, 41785), (115, 41797), (120, 41851), (138, 41995), (147, 42073), (153, 42097), (162, 42142), (164, 42151), (184, 42271), (190, 42286), (194, 42301), (206, 42364), (207, 42367), (210, 42382), (220, 42481), (228, 42535), (231, 42553), (233, 42577), (239, 42619), (247, 42673), (264, 42805), (271, 42850), (282, 42916), (291, 42943),

Gene: Jamzy_63 Start: 40755, Stop: 42797, Start Num: 8

Candidate Starts for Jamzy_63:

(Start: 8 @40755 has 3 MA's), (17, 40797), (Start: 21 @40833 has 1 MA's), (38, 40986), (39, 40989), (42, 41025), (46, 41052), (48, 41076), (56, 41136), (59, 41154), (75, 41304), (83, 41364), (96, 41442), (100, 41466), (102, 41478), (103, 41484), (115, 41583), (116, 41595), (118, 41628), (131, 41727), (133, 41745), (136, 41763), (139, 41784), (140, 41793), (146, 41853), (160, 41919), (162, 41925), (169, 41961), (178, 42024), (181, 42033), (186, 42060), (201, 42120), (202, 42123), (205, 42144), (209, 42162), (214, 42207), (219, 42264), (222, 42273), (223, 42282), (228, 42321), (238, 42399),

(252, 42495), (258, 42531), (261, 42567), (263, 42579), (265, 42597), (269, 42630), (281, 42705), (285, 42726),

Gene: Janus167_33 Start: 23782, Stop: 22112, Start Num: 14

Candidate Starts for Janus167_33:

(Start: 14 @23782 has 165 MA's), (Start: 20 @23749 has 5 MA's), (Start: 24 @23713 has 7 MA's), (28, 23656), (33, 23626), (34, 23620), (50, 23494), (63, 23386), (64, 23380), (79, 23254), (83, 23224), (129, 22912), (137, 22870), (156, 22732), (211, 22447), (214, 22408), (220, 22351), (227, 22294), (233, 22249), (237, 22216), (240, 22207), (242, 22189), (248, 22156),

Gene: JasonD_38 Start: 24620, Stop: 22938, Start Num: 14

Candidate Starts for JasonD_38:

(Start: 14 @24620 has 165 MA's), (Start: 20 @24587 has 5 MA's), (Start: 24 @24551 has 7 MA's), (33, 24464), (34, 24458), (40, 24401), (43, 24362), (50, 24317), (54, 24296), (58, 24254), (63, 24209), (64, 24203), (72, 24143), (129, 23735), (130, 23726), (137, 23693), (185, 23387), (211, 23270), (214, 23231), (220, 23174), (227, 23117), (233, 23072), (237, 23039), (242, 23012), (248, 22979),

Gene: JasperRussell_33 Start: 23782, Stop: 22112, Start Num: 14

Candidate Starts for JasperRussell_33:

(Start: 14 @23782 has 165 MA's), (Start: 20 @23749 has 5 MA's), (Start: 24 @23713 has 7 MA's), (28, 23656), (33, 23626), (34, 23620), (50, 23494), (63, 23386), (64, 23380), (79, 23254), (81, 23236), (83, 23224), (129, 22912), (137, 22870), (156, 22732), (211, 22447), (214, 22408), (220, 22351), (227, 22294), (233, 22249), (237, 22216), (240, 22207), (242, 22189), (248, 22156),

Gene: Jemerald_34 Start: 24415, Stop: 22775, Start Num: 18

Candidate Starts for Jemerald_34:

(Start: 14 @24439 has 165 MA's), (Start: 18 @24415 has 1 MA's), (Start: 20 @24406 has 5 MA's), (22, 24388), (Start: 24 @24370 has 7 MA's), (41, 24202), (54, 24115), (55, 24091), (56, 24082), (58, 24073), (63, 24028), (64, 24022), (68, 23986), (71, 23968), (72, 23962), (77, 23914), (79, 23896), (81, 23878), (83, 23866), (126, 23581), (129, 23566), (137, 23524), (138, 23515), (140, 23503), (161, 23368), (165, 23353), (182, 23245), (185, 23224), (205, 23131), (211, 23107), (213, 23086), (214, 23068), (216, 23047), (220, 23011), (232, 22912), (233, 22909), (239, 22867), (242, 22843),

Gene: Jenos_37 Start: 25280, Stop: 23598, Start Num: 14

Candidate Starts for Jenos_37:

(Start: 14 @25280 has 165 MA's), (Start: 20 @25247 has 5 MA's), (Start: 24 @25211 has 7 MA's), (33, 25124), (34, 25118), (50, 24977), (54, 24956), (58, 24914), (63, 24869), (64, 24863), (68, 24827), (79, 24737), (83, 24707), (129, 24395), (137, 24353), (156, 24215), (183, 24053), (185, 24047), (189, 24038), (211, 23930), (214, 23891), (218, 23861), (220, 23834), (224, 23807), (227, 23777), (233, 23732), (237, 23699), (242, 23672), (248, 23639),

Gene: Jerbirus_34 Start: 23713, Stop: 22112, Start Num: 24

Candidate Starts for Jerbirus_34:

(Start: 14 @23782 has 165 MA's), (Start: 20 @23749 has 5 MA's), (Start: 24 @23713 has 7 MA's), (28, 23656), (33, 23626), (34, 23620), (50, 23494), (63, 23386), (64, 23380), (79, 23254), (81, 23236), (83, 23224), (129, 22912), (137, 22870), (156, 22732), (211, 22447), (214, 22408), (220, 22351), (227, 22294), (233, 22249), (237, 22216), (240, 22207), (242, 22189), (248, 22156),

Gene: JeriBeth_34 Start: 23570, Stop: 21969, Start Num: 24

Candidate Starts for JeriBeth_34:

(Start: 14 @23639 has 165 MA's), (Start: 20 @23606 has 5 MA's), (Start: 24 @23570 has 7 MA's), (28, 23513), (33, 23483), (34, 23477), (50, 23351), (63, 23243), (64, 23237), (79, 23111), (83, 23081), (129, 22769), (137, 22727), (156, 22589), (211, 22304), (214, 22265), (220, 22208), (227, 22151), (233,

22106), (237, 22073), (240, 22064), (242, 22046), (248, 22013),

Gene: Jingles_31 Start: 23669, Stop: 22002, Start Num: 14

Candidate Starts for Jingles_31:

(Start: 14 @23669 has 165 MA's), (Start: 20 @23636 has 5 MA's), (Start: 24 @23600 has 7 MA's), (26, 23588), (28, 23543), (29, 23540), (43, 23426), (58, 23318), (63, 23273), (64, 23267), (77, 23159), (79, 23141), (83, 23111), (129, 22790), (130, 22781), (137, 22748), (143, 22697), (144, 22682), (148, 22655), (161, 22592), (181, 22475), (185, 22451), (190, 22436), (206, 22355), (211, 22334), (214, 22295), (220, 22238), (226, 22190), (242, 22073), (246, 22052),

Gene: Juanyo_31 Start: 23441, Stop: 21765, Start Num: 14

Candidate Starts for Juanyo_31:

(Start: 14 @23441 has 165 MA's), (Start: 20 @23408 has 5 MA's), (22, 23390), (Start: 23 @23378 has 1 MA's), (Start: 24 @23372 has 7 MA's), (28, 23315), (36, 23270), (45, 23171), (54, 23114), (60, 23054), (64, 23021), (72, 22961), (74, 22949), (76, 22916), (79, 22895), (80, 22880), (83, 22865), (106, 22724), (129, 22556), (137, 22514), (138, 22505), (143, 22463), (156, 22376), (161, 22358), (193, 22181), (206, 22112), (211, 22091), (213, 22070), (214, 22052), (220, 21995), (226, 21947), (233, 21893), (241, 21845), (244, 21821), (249, 21791), (252, 21776),

Gene: Juicer_34 Start: 24439, Stop: 22775, Start Num: 14

Candidate Starts for Juicer_34:

(Start: 14 @24439 has 165 MA's), (Start: 18 @24415 has 1 MA's), (Start: 20 @24406 has 5 MA's), (22, 24388), (Start: 24 @24370 has 7 MA's), (41, 24202), (54, 24115), (55, 24091), (56, 24082), (58, 24073), (63, 24028), (64, 24022), (68, 23986), (71, 23968), (72, 23962), (77, 23914), (79, 23896), (81, 23878), (83, 23866), (126, 23581), (129, 23566), (137, 23524), (138, 23515), (140, 23503), (161, 23368), (165, 23353), (182, 23245), (185, 23224), (205, 23131), (211, 23107), (213, 23086), (214, 23068), (216, 23047), (220, 23011), (232, 22912), (233, 22909), (239, 22867), (242, 22843),

Gene: Kale_33 Start: 23797, Stop: 22127, Start Num: 14

Candidate Starts for Kale_33:

(Start: 14 @23797 has 165 MA's), (Start: 20 @23764 has 5 MA's), (Start: 24 @23728 has 7 MA's), (28, 23671), (33, 23641), (34, 23635), (50, 23509), (63, 23401), (64, 23395), (79, 23269), (83, 23239), (129, 22927), (137, 22885), (156, 22747), (211, 22462), (214, 22423), (220, 22366), (227, 22309), (233, 22264), (237, 22231), (242, 22204), (248, 22171),

Gene: KannH_33 Start: 23782, Stop: 22112, Start Num: 14

Candidate Starts for KannH_33:

(Start: 14 @23782 has 165 MA's), (Start: 20 @23749 has 5 MA's), (Start: 24 @23713 has 7 MA's), (28, 23656), (33, 23626), (34, 23620), (50, 23494), (63, 23386), (64, 23380), (79, 23254), (81, 23236), (83, 23224), (129, 22912), (137, 22870), (156, 22732), (211, 22447), (214, 22408), (220, 22351), (227, 22294), (233, 22249), (237, 22216), (240, 22207), (242, 22189), (248, 22156),

Gene: KatChan_33 Start: 23172, Stop: 21505, Start Num: 14

Candidate Starts for KatChan_33:

(Start: 14 @23172 has 165 MA's), (Start: 20 @23139 has 5 MA's), (22, 23121), (Start: 23 @23109 has 1 MA's), (45, 22920), (54, 22863), (55, 22839), (64, 22770), (69, 22728), (79, 22644), (83, 22614), (86, 22602), (119, 22362), (129, 22299), (132, 22272), (134, 22269), (138, 22248), (144, 22191), (148, 22164), (150, 22158), (161, 22101), (172, 22041), (183, 21963), (185, 21957), (211, 21840), (214, 21801), (224, 21717), (233, 21642), (235, 21633), (236, 21615), (237, 21609), (242, 21582), (254, 21519),

Gene: Kauala_31 Start: 23655, Stop: 21988, Start Num: 14

Candidate Starts for Kauala_31:

(Start: 14 @23655 has 165 MA's), (Start: 20 @23622 has 5 MA's), (Start: 24 @23586 has 7 MA's), (26, 23574), (28, 23529), (29, 23526), (43, 23412), (58, 23304), (63, 23259), (64, 23253), (77, 23145), (79, 23127), (83, 23097), (143, 22683), (144, 22668), (148, 22641), (170, 22530), (185, 22437), (190, 22422), (206, 22341), (211, 22320), (214, 22281), (220, 22224), (226, 22176), (242, 22059), (246, 22038),

Gene: KayGee_64 Start: 42347, Stop: 44428, Start Num: 6

Candidate Starts for KayGee_64:

(4, 42311), (Start: 6 @42347 has 13 MA's), (15, 42386), (22, 42434), (27, 42470), (38, 42587), (44, 42641), (56, 42737), (62, 42767), (66, 42803), (67, 42809), (77, 42911), (85, 42971), (94, 43031), (96, 43043), (100, 43067), (102, 43079), (104, 43097), (109, 43142), (114, 43181), (121, 43241), (138, 43403), (140, 43415), (145, 43463), (162, 43547), (169, 43583), (181, 43655), (186, 43682), (219, 43886), (220, 43889), (222, 43895), (223, 43904), (225, 43919), (228, 43943), (234, 43991), (238, 44021), (239, 44027), (250, 44108), (260, 44186), (262, 44204), (267, 44255), (270, 44273), (274, 44300), (276, 44321), (285, 44363), (286, 44366),

Gene: KingJulien_33 Start: 24132, Stop: 22453, Start Num: 23

Candidate Starts for KingJulien_33:

(Start: 14 @24195 has 165 MA's), (22, 24144), (Start: 23 @24132 has 1 MA's), (Start: 24 @24126 has 7 MA's), (43, 23925), (48, 23886), (50, 23880), (58, 23817), (63, 23772), (80, 23625), (82, 23619), (83, 23610), (86, 23598), (129, 23301), (130, 23292), (137, 23259), (143, 23208), (147, 23172), (156, 23121), (181, 22974), (196, 22896), (197, 22866), (199, 22851), (211, 22788), (214, 22749), (220, 22692), (227, 22635), (233, 22590), (237, 22557), (242, 22530), (248, 22497),

Gene: Klimt_33 Start: 23777, Stop: 22107, Start Num: 14

Candidate Starts for Klimt_33:

(Start: 14 @23777 has 165 MA's), (Start: 20 @23744 has 5 MA's), (Start: 24 @23708 has 7 MA's), (28, 23651), (33, 23621), (34, 23615), (50, 23489), (63, 23381), (64, 23375), (79, 23249), (83, 23219), (129, 22907), (137, 22865), (156, 22727), (211, 22442), (214, 22403), (220, 22346), (227, 22289), (233, 22244), (237, 22211), (242, 22184), (248, 22151),

Gene: Knox_34 Start: 24097, Stop: 22427, Start Num: 14

Candidate Starts for Knox_34:

(Start: 14 @24097 has 165 MA's), (Start: 20 @24064 has 5 MA's), (Start: 24 @24028 has 7 MA's), (28, 23971), (33, 23941), (34, 23935), (50, 23809), (63, 23701), (64, 23695), (79, 23569), (83, 23539), (129, 23227), (137, 23185), (143, 23134), (211, 22762), (214, 22723), (220, 22666), (227, 22609), (233, 22564), (237, 22531), (240, 22522), (242, 22504), (248, 22471),

Gene: Koji_31 Start: 23757, Stop: 22123, Start Num: 20

Candidate Starts for Koji_31:

(Start: 14 @23790 has 165 MA's), (Start: 20 @23757 has 5 MA's), (Start: 24 @23721 has 7 MA's), (26, 23709), (43, 23547), (58, 23439), (59, 23427), (63, 23394), (64, 23388), (77, 23280), (79, 23262), (83, 23232), (130, 22902), (138, 22860), (143, 22818), (144, 22803), (148, 22776), (151, 22764), (181, 22596), (185, 22572), (190, 22557), (206, 22476), (211, 22455), (214, 22416), (220, 22359), (226, 22311), (242, 22194), (246, 22173),

Gene: Kurt1_34 Start: 24030, Stop: 22429, Start Num: 24

Candidate Starts for Kurt1_34:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (Start: 24 @24030 has 7 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (156, 23049), (211, 22764), (214, 22725), (220, 22668), (227, 22611), (233, 22566), (237, 22533), (240, 22524), (242, 22506), (248, 22473),

Gene: Lauer_56 Start: 42524, Stop: 44608, Start Num: 6

Candidate Starts for Lauer_56:

(4, 42488), (Start: 6 @42524 has 13 MA's), (15, 42563), (22, 42611), (27, 42647), (38, 42764), (56, 42914), (62, 42944), (66, 42980), (67, 42986), (77, 43088), (85, 43148), (94, 43208), (96, 43220), (100, 43244), (102, 43256), (104, 43274), (114, 43358), (121, 43418), (123, 43439), (136, 43562), (140, 43592), (162, 43724), (169, 43760), (181, 43832), (186, 43859), (204, 43937), (215, 44018), (219, 44063), (222, 44072), (223, 44081), (225, 44096), (228, 44120), (234, 44168), (239, 44204), (243, 44243), (250, 44285), (261, 44372), (262, 44381), (263, 44384), (267, 44432), (268, 44438), (274, 44477), (275, 44492), (286, 44543), (293, 44564), (295, 44582), (297, 44591),

Gene: Leafus_33 Start: 24268, Stop: 22595, Start Num: 24

Candidate Starts for Leafus_33:

(Start: 14 @24337 has 165 MA's), (22, 24286), (Start: 23 @24274 has 1 MA's), (Start: 24 @24268 has 7 MA's), (33, 24181), (43, 24067), (48, 24028), (50, 24022), (58, 23959), (63, 23914), (80, 23767), (82, 23761), (83, 23752), (86, 23740), (129, 23443), (130, 23434), (137, 23401), (143, 23350), (147, 23314), (156, 23263), (181, 23116), (196, 23038), (199, 22993), (211, 22930), (214, 22891), (220, 22834), (227, 22777), (233, 22732), (237, 22699), (240, 22690), (241, 22684), (242, 22672), (248, 22639),

Gene: Librie_31 Start: 21940, Stop: 20273, Start Num: 14

Candidate Starts for Librie_31:

(Start: 14 @21940 has 165 MA's), (Start: 20 @21907 has 5 MA's), (Start: 24 @21871 has 7 MA's), (28, 21814), (48, 21658), (52, 21646), (54, 21631), (59, 21577), (64, 21538), (69, 21496), (72, 21478), (79, 21412), (80, 21397), (83, 21382), (85, 21373), (129, 21064), (132, 21037), (138, 21013), (142, 20977), (143, 20971), (165, 20851), (183, 20725), (185, 20719), (211, 20602), (214, 20563), (219, 20509), (229, 20443), (233, 20404), (240, 20362), (241, 20356),

Gene: LilTerminator_32 Start: 21962, Stop: 20295, Start Num: 14

Candidate Starts for LilTerminator_32:

(Start: 14 @21962 has 165 MA's), (Start: 20 @21929 has 5 MA's), (Start: 24 @21893 has 7 MA's), (28, 21836), (48, 21680), (52, 21668), (54, 21653), (59, 21599), (64, 21560), (69, 21518), (72, 21500), (79, 21434), (80, 21419), (83, 21404), (85, 21395), (129, 21086), (132, 21059), (138, 21035), (142, 20999), (143, 20993), (165, 20873), (183, 20747), (185, 20741), (211, 20624), (214, 20585), (219, 20531), (233, 20426), (240, 20384), (241, 20378),

Gene: Lovelyunicorn_34 Start: 24098, Stop: 22428, Start Num: 14

Candidate Starts for Lovelyunicorn_34:

(Start: 14 @24098 has 165 MA's), (Start: 20 @24065 has 5 MA's), (Start: 24 @24029 has 7 MA's), (28, 23972), (33, 23942), (34, 23936), (50, 23810), (63, 23702), (64, 23696), (79, 23570), (83, 23540), (129, 23228), (137, 23186), (211, 22763), (214, 22724), (220, 22667), (227, 22610), (229, 22604), (233, 22565), (237, 22532), (240, 22523), (242, 22505), (248, 22472),

Gene: Lucky3_31 Start: 23730, Stop: 22096, Start Num: 20

Candidate Starts for Lucky3_31:

(Start: 14 @23763 has 165 MA's), (Start: 20 @23730 has 5 MA's), (Start: 24 @23694 has 7 MA's), (26, 23682), (45, 23511), (58, 23412), (63, 23367), (64, 23361), (76, 23256), (83, 23205), (110, 23016), (129, 22884), (130, 22875), (137, 22842), (143, 22791), (148, 22749), (161, 22686), (181, 22569), (185, 22545), (190, 22530), (205, 22452), (206, 22449), (211, 22428), (214, 22389), (220, 22332), (226, 22284), (242, 22167), (246, 22146),

Gene: Ludgate_34 Start: 24093, Stop: 22423, Start Num: 14

Candidate Starts for Ludgate_34:

(Start: 14 @24093 has 165 MA's), (Start: 20 @24060 has 5 MA's), (Start: 24 @24024 has 7 MA's), (28, 23967), (33, 23937), (34, 23931), (50, 23805), (63, 23697), (64, 23691), (79, 23565), (81, 23547), (83, 23535), (129, 23223), (137, 23181), (143, 23130), (211, 22758), (214, 22719), (220, 22662), (227, 22605), (233, 22560), (237, 22527), (240, 22518), (242, 22500), (248, 22467),

Gene: Luna18_33 Start: 23172, Stop: 21505, Start Num: 14

Candidate Starts for Luna18_33:

(Start: 14 @23172 has 165 MA's), (Start: 20 @23139 has 5 MA's), (22, 23121), (Start: 23 @23109 has 1 MA's), (45, 22920), (54, 22863), (55, 22839), (64, 22770), (69, 22728), (79, 22644), (83, 22614), (86, 22602), (119, 22362), (129, 22299), (132, 22272), (134, 22269), (138, 22248), (144, 22191), (148, 22164), (150, 22158), (161, 22101), (172, 22041), (183, 21963), (185, 21957), (211, 21840), (214, 21801), (224, 21717), (233, 21642), (235, 21633), (236, 21615), (237, 21609), (242, 21582), (254, 21519),

Gene: MAnor_63 Start: 42478, Stop: 44562, Start Num: 6

Candidate Starts for MAnor_63:

(4, 42442), (Start: 6 @42478 has 13 MA's), (15, 42517), (22, 42565), (27, 42601), (38, 42718), (56, 42868), (62, 42898), (66, 42934), (67, 42940), (85, 43102), (94, 43162), (96, 43174), (100, 43198), (102, 43210), (104, 43228), (114, 43312), (121, 43372), (123, 43393), (136, 43516), (140, 43546), (162, 43678), (169, 43714), (181, 43786), (186, 43813), (215, 43972), (219, 44017), (222, 44026), (223, 44035), (225, 44050), (228, 44074), (234, 44122), (238, 44152), (239, 44158), (243, 44197), (250, 44239), (261, 44326), (262, 44335), (263, 44338), (267, 44386), (268, 44392), (274, 44431), (275, 44446), (286, 44497), (293, 44518), (295, 44536), (297, 44545),

Gene: MCubed_32 Start: 23734, Stop: 22052, Start Num: 14

Candidate Starts for MCubed_32:

(Start: 14 @23734 has 165 MA's), (Start: 18 @23710 has 1 MA's), (Start: 20 @23701 has 5 MA's), (22, 23683), (Start: 23 @23671 has 1 MA's), (Start: 24 @23665 has 7 MA's), (32, 23584), (43, 23473), (54, 23407), (64, 23314), (68, 23278), (72, 23254), (79, 23188), (81, 23170), (83, 23158), (96, 23080), (104, 23029), (134, 22813), (137, 22801), (143, 22750), (144, 22735), (148, 22708), (161, 22645), (185, 22504), (211, 22387), (213, 22366), (214, 22348), (220, 22291), (232, 22192), (234, 22183), (242, 22129),

Gene: MScarn_62 Start: 39872, Stop: 41869, Start Num: 13

Candidate Starts for MScarn_62:

(Start: 13 @39872 has 26 MA's), (38, 40088), (42, 40127), (72, 40355), (91, 40493), (92, 40505), (95, 40535), (100, 40568), (113, 40676), (115, 40685), (116, 40697), (121, 40742), (140, 40889), (145, 40937), (150, 40967), (152, 40976), (169, 41057), (186, 41138), (212, 41261), (219, 41342), (222, 41351), (223, 41360), (228, 41399), (244, 41525), (252, 41573), (258, 41600), (263, 41648), (265, 41666), (266, 41687), (267, 41693), (274, 41738), (282, 41786), (285, 41801), (286, 41804), (293, 41825),

Gene: MaVan_53 Start: 38989, Stop: 41004, Start Num: 12

Candidate Starts for MaVan_53:

(5, 38956), (Start: 12 @38989 has 10 MA's), (15, 39013), (26, 39088), (38, 39208), (47, 39283), (48, 39298), (70, 39466), (72, 39475), (77, 39532), (83, 39586), (85, 39592), (89, 39610), (91, 39613), (94, 39652), (96, 39664), (102, 39700), (103, 39706), (107, 39739), (113, 39796), (116, 39817), (118, 39850), (121, 39862), (127, 39910), (130, 39925), (133, 39958), (140, 40006), (145, 40054), (166, 40168), (177, 40237), (186, 40270), (205, 40354), (206, 40357), (208, 40363), (212, 40393), (223, 40492), (228, 40531), (233, 40573), (234, 40579), (244, 40657), (247, 40669), (252, 40705), (261, 40759), (263, 40771), (273, 40849), (274, 40873), (278, 40906), (279, 40909), (280, 40915), (281, 40918), (286, 40942), (292, 40960), (295, 40981),

Gene: Maco6_52 Start: 39268, Stop: 41193, Start Num: 13

Candidate Starts for Maco6_52:

(Start: 13 @39268 has 26 MA's), (22, 39334), (31, 39430), (38, 39481), (39, 39484), (58, 39640), (77, 39805), (87, 39874), (102, 39979), (112, 40072), (120, 40138), (145, 40339), (147, 40357), (164, 40435), (168, 40459), (171, 40480), (184, 40555), (190, 40570), (191, 40573), (194, 40585), (206, 40648), (212, 40684), (213, 40690), (214, 40708), (216, 40732), (220, 40768), (222, 40774), (228, 40822), (234, 40870), (247, 40960),

Gene: MaeLinda_34 Start: 24100, Stop: 22430, Start Num: 14

Candidate Starts for MaeLinda_34:

(Start: 14 @24100 has 165 MA's), (Start: 20 @24067 has 5 MA's), (Start: 24 @24031 has 7 MA's), (28, 23974), (33, 23944), (34, 23938), (50, 23812), (63, 23704), (64, 23698), (79, 23572), (83, 23542), (129, 23230), (137, 23188), (143, 23137), (156, 23050), (211, 22765), (214, 22726), (220, 22669), (227, 22612), (233, 22567), (237, 22534), (242, 22507), (248, 22474),

Gene: ManRay_33 Start: 23726, Stop: 22125, Start Num: 24

Candidate Starts for ManRay_33:

(Start: 14 @23795 has 165 MA's), (Start: 20 @23762 has 5 MA's), (Start: 24 @23726 has 7 MA's), (28, 23669), (33, 23639), (34, 23633), (50, 23507), (63, 23399), (64, 23393), (79, 23267), (83, 23237), (129, 22925), (137, 22883), (143, 22832), (211, 22460), (214, 22421), (220, 22364), (227, 22307), (233, 22262), (237, 22229), (240, 22220), (242, 22202), (248, 22169),

Gene: Mandalorian_30 Start: 23383, Stop: 21707, Start Num: 14

Candidate Starts for Mandalorian_30:

(Start: 14 @23383 has 165 MA's), (Start: 20 @23350 has 5 MA's), (Start: 23 @23320 has 1 MA's), (Start: 24 @23314 has 7 MA's), (28, 23257), (45, 23113), (54, 23056), (60, 22996), (64, 22963), (72, 22903), (74, 22891), (76, 22858), (79, 22837), (80, 22822), (83, 22807), (104, 22678), (106, 22666), (129, 22498), (137, 22456), (138, 22447), (144, 22390), (156, 22318), (161, 22300), (183, 22156), (193, 22123), (206, 22054), (209, 22039), (211, 22033), (214, 21994), (220, 21937), (226, 21889), (233, 21835), (241, 21787), (244, 21763), (249, 21733),

Gene: Margaret_63 Start: 40914, Stop: 42935, Start Num: 7

Candidate Starts for Margaret_63:

(Start: 7 @40914 has 2 MA's), (22, 40995), (38, 41142), (39, 41145), (42, 41181), (56, 41292), (66, 41358), (72, 41409), (73, 41415), (82, 41511), (92, 41559), (96, 41598), (99, 41610), (100, 41622), (102, 41634), (103, 41640), (116, 41751), (121, 41796), (127, 41844), (139, 41940), (140, 41949), (145, 41997), (169, 42120), (174, 42171), (181, 42192), (186, 42219), (190, 42228), (201, 42279), (205, 42303), (215, 42378), (219, 42423), (222, 42432), (223, 42441), (228, 42480), (233, 42522), (252, 42654), (261, 42726), (265, 42756), (281, 42861), (293, 42906),

Gene: Martin_35 Start: 24099, Stop: 22429, Start Num: 14

Candidate Starts for Martin_35:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (Start: 24 @24030 has 7 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (156, 23049), (211, 22764), (214, 22725), (220, 22668), (227, 22611), (233, 22566), (237, 22533), (240, 22524), (242, 22506), (248, 22473),

Gene: Mayweather_65 Start: 42741, Stop: 44825, Start Num: 6

Candidate Starts for Mayweather_65:

(4, 42705), (Start: 6 @42741 has 13 MA's), (15, 42780), (22, 42828), (27, 42864), (38, 42981), (56, 43131), (62, 43161), (67, 43203), (77, 43305), (85, 43365), (88, 43380), (94, 43425), (96, 43437), (100, 43461), (102, 43473), (104, 43491), (109, 43536), (114, 43575), (121, 43635), (123, 43656), (138, 43797), (140, 43809), (145, 43857), (162, 43941), (169, 43977), (181, 44049), (186, 44076), (204,

44154), (215, 44235), (219, 44280), (222, 44289), (223, 44298), (225, 44313), (228, 44337), (234, 44385), (238, 44415), (239, 44421), (243, 44460), (250, 44502), (261, 44589), (263, 44601), (267, 44649), (268, 44655), (274, 44694), (275, 44709), (286, 44760), (293, 44781), (295, 44799), (297, 44808),

Gene: McGalleon_36 Start: 25497, Stop: 23815, Start Num: 14

Candidate Starts for McGalleon_36:

(Start: 14 @25497 has 165 MA's), (Start: 20 @25464 has 5 MA's), (Start: 24 @25428 has 7 MA's), (33, 25341), (34, 25335), (45, 25230), (50, 25194), (54, 25173), (58, 25131), (63, 25086), (64, 25080), (68, 25044), (79, 24954), (83, 24924), (129, 24612), (137, 24570), (156, 24432), (183, 24270), (185, 24264), (189, 24255), (211, 24147), (214, 24108), (218, 24078), (220, 24051), (224, 24024), (227, 23994), (233, 23949), (237, 23916), (242, 23889), (248, 23856),

Gene: Mercedes_28 Start: 20953, Stop: 19292, Start Num: 14

Candidate Starts for Mercedes_28:

(Start: 14 @20953 has 165 MA's), (Start: 20 @20920 has 5 MA's), (Start: 23 @20890 has 1 MA's), (Start: 24 @20884 has 7 MA's), (29, 20824), (48, 20671), (52, 20659), (54, 20644), (58, 20602), (59, 20590), (64, 20551), (72, 20491), (80, 20410), (83, 20395), (129, 20077), (130, 20068), (138, 20026), (144, 19969), (172, 19819), (182, 19756), (185, 19735), (211, 19618), (214, 19579), (219, 19525), (233, 19420), (241, 19372),

Gene: MillyPhilly_34 Start: 24096, Stop: 22426, Start Num: 14

Candidate Starts for MillyPhilly_34:

(Start: 14 @24096 has 165 MA's), (Start: 20 @24063 has 5 MA's), (Start: 24 @24027 has 7 MA's), (28, 23970), (33, 23940), (34, 23934), (50, 23808), (63, 23700), (64, 23694), (79, 23568), (83, 23538), (129, 23226), (137, 23184), (143, 23133), (156, 23046), (211, 22761), (214, 22722), (220, 22665), (227, 22608), (233, 22563), (237, 22530), (240, 22521), (242, 22503), (248, 22470),

Gene: MonChoix_32 Start: 24036, Stop: 22402, Start Num: 23

Candidate Starts for MonChoix_32:

(Start: 14 @24099 has 165 MA's), (22, 24048), (Start: 23 @24036 has 1 MA's), (Start: 24 @24030 has 7 MA's), (33, 23943), (45, 23820), (50, 23784), (54, 23763), (58, 23721), (63, 23676), (64, 23670), (65, 23667), (68, 23634), (72, 23610), (79, 23544), (81, 23526), (83, 23514), (129, 23205), (137, 23163), (143, 23112), (147, 23076), (156, 23025), (179, 22899), (181, 22878), (211, 22737), (214, 22698), (220, 22641), (227, 22584), (233, 22539), (237, 22506), (240, 22497), (242, 22479), (248, 22446),

Gene: Morrigan_33 Start: 23202, Stop: 21544, Start Num: 14

Candidate Starts for Morrigan_33:

(Start: 14 @23202 has 165 MA's), (Start: 20 @23169 has 5 MA's), (22, 23151), (Start: 23 @23139 has 1 MA's), (36, 23031), (45, 22950), (54, 22893), (55, 22869), (64, 22800), (83, 22644), (103, 22527), (119, 22392), (129, 22329), (132, 22302), (134, 22299), (138, 22278), (144, 22221), (161, 22131), (170, 22083), (172, 22071), (185, 21987), (203, 21912), (211, 21870), (214, 21831), (216, 21810), (224, 21747), (233, 21672), (237, 21639), (242, 21612), (248, 21579),

Gene: MrWorldwide_34 Start: 24100, Stop: 22430, Start Num: 14

Candidate Starts for MrWorldwide_34:

(Start: 14 @24100 has 165 MA's), (Start: 20 @24067 has 5 MA's), (Start: 24 @24031 has 7 MA's), (28, 23974), (33, 23944), (34, 23938), (50, 23812), (63, 23704), (64, 23698), (79, 23572), (83, 23542), (129, 23230), (137, 23188), (143, 23137), (156, 23050), (211, 22765), (214, 22726), (220, 22669), (227, 22612), (233, 22567), (237, 22534), (240, 22525), (242, 22507), (248, 22474),

Gene: Muddy_54 Start: 40500, Stop: 42425, Start Num: 13

Candidate Starts for Muddy_54:

(Start: 13 @40500 has 26 MA's), (22, 40566), (31, 40662), (38, 40713), (58, 40872), (77, 41037), (87, 41106), (102, 41211), (112, 41304), (120, 41370), (145, 41571), (147, 41589), (164, 41667), (168, 41691), (171, 41712), (184, 41787), (190, 41802), (191, 41805), (194, 41817), (206, 41880), (212, 41916), (213, 41922), (214, 41940), (216, 41964), (220, 42000), (222, 42006), (228, 42054), (234, 42102), (247, 42192),

Gene: MunkgeeRoachy_56 Start: 39322, Stop: 41316, Start Num: 13

Candidate Starts for MunkgeeRoachy_56:

(Start: 13 @39322 has 26 MA's), (22, 39391), (38, 39538), (42, 39577), (44, 39592), (66, 39754), (70, 39796), (72, 39805), (77, 39862), (79, 39880), (95, 39985), (103, 40036), (116, 40147), (121, 40192), (128, 40240), (136, 40306), (140, 40336), (145, 40384), (146, 40396), (154, 40441), (162, 40468), (169, 40504), (186, 40585), (191, 40597), (202, 40648), (214, 40732), (219, 40789), (223, 40807), (228, 40846), (244, 40972), (258, 41047), (259, 41068), (263, 41095), (267, 41140), (274, 41185), (285, 41248), (286, 41251), (293, 41272),

Gene: Nagem_34 Start: 24093, Stop: 22423, Start Num: 14

Candidate Starts for Nagem_34:

(Start: 14 @24093 has 165 MA's), (Start: 20 @24060 has 5 MA's), (Start: 24 @24024 has 7 MA's), (28, 23967), (33, 23937), (34, 23931), (50, 23805), (63, 23697), (64, 23691), (79, 23565), (81, 23547), (83, 23535), (129, 23223), (137, 23181), (143, 23130), (211, 22758), (214, 22719), (220, 22662), (227, 22605), (233, 22560), (237, 22527), (240, 22518), (242, 22500), (248, 22467),

Gene: Nattles_33 Start: 23782, Stop: 22112, Start Num: 14

Candidate Starts for Nattles_33:

(Start: 14 @23782 has 165 MA's), (Start: 20 @23749 has 5 MA's), (Start: 24 @23713 has 7 MA's), (28, 23656), (33, 23626), (34, 23620), (50, 23494), (63, 23386), (64, 23380), (79, 23254), (83, 23224), (129, 22912), (137, 22870), (156, 22732), (211, 22447), (214, 22408), (220, 22351), (227, 22294), (233, 22249), (237, 22216), (242, 22189), (248, 22156),

Gene: Nebulous_31 Start: 24965, Stop: 23286, Start Num: 14

Candidate Starts for Nebulous_31:

(Start: 14 @24965 has 165 MA's), (Start: 24 @24896 has 7 MA's), (54, 24641), (59, 24587), (63, 24554), (64, 24548), (68, 24512), (72, 24488), (83, 24392), (129, 24074), (144, 23966), (151, 23927), (156, 23894), (161, 23876), (183, 23735), (185, 23729), (211, 23612), (214, 23573), (215, 23564), (219, 23519), (233, 23414), (240, 23372), (241, 23366),

Gene: Neferthena_31 Start: 24055, Stop: 22373, Start Num: 14

Candidate Starts for Neferthena_31:

(Start: 14 @24055 has 165 MA's), (Start: 20 @24022 has 5 MA's), (Start: 24 @23986 has 7 MA's), (45, 23785), (54, 23728), (59, 23674), (63, 23641), (64, 23635), (72, 23575), (80, 23494), (83, 23479), (129, 23164), (138, 23113), (144, 23056), (156, 22984), (161, 22966), (183, 22825), (185, 22819), (203, 22744), (211, 22702), (214, 22663), (215, 22654), (219, 22609), (232, 22507), (233, 22504), (241, 22456),

Gene: Nibbles_52 Start: 38682, Stop: 40688, Start Num: 12

Candidate Starts for Nibbles_52:

(5, 38649), (Start: 12 @38682 has 10 MA's), (15, 38706), (26, 38781), (38, 38901), (39, 38904), (47, 38976), (48, 38991), (56, 39051), (70, 39159), (72, 39168), (77, 39225), (83, 39279), (85, 39285), (89, 39303), (91, 39306), (94, 39345), (96, 39357), (102, 39393), (103, 39399), (107, 39432), (113, 39489), (116, 39510), (118, 39543), (121, 39555), (127, 39603), (130, 39618), (140, 39699), (145, 39747), (160, 39828), (162, 39834), (169, 39870), (171, 39888), (186, 39954), (205, 40038), (208, 40047), (212, 40077), (219, 40158), (223, 40176), (228, 40215), (233, 40257), (234, 40263), (236, 40284), (244, 40341), (246, 40350), (247, 40353), (252, 40389), (261, 40443), (263, 40455), (273, 40533),

(274, 40557), (279, 40593), (280, 40599), (281, 40602), (286, 40626), (292, 40644), (295, 40665),

Gene: NickSell_34 Start: 24099, Stop: 22429, Start Num: 14

Candidate Starts for NickSell_34:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (Start: 24 @24030 has 7 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (156, 23049), (211, 22764), (214, 22725), (220, 22668), (227, 22611), (233, 22566), (237, 22533), (240, 22524), (242, 22506), (248, 22473),

Gene: Nina_58 Start: 40462, Stop: 42456, Start Num: 13

Candidate Starts for Nina_58:

(Start: 13 @40462 has 26 MA's), (38, 40678), (42, 40717), (44, 40732), (66, 40894), (70, 40936), (72, 40945), (77, 41002), (95, 41125), (103, 41176), (115, 41275), (116, 41287), (121, 41332), (136, 41446), (138, 41464), (140, 41476), (145, 41524), (154, 41581), (162, 41608), (169, 41644), (186, 41725), (191, 41737), (202, 41788), (214, 41872), (219, 41929), (223, 41947), (228, 41986), (244, 42112), (258, 42187), (259, 42208), (263, 42235), (267, 42280), (274, 42325), (285, 42388), (286, 42391), (293, 42412),

Gene: NoShow_62 Start: 43789, Stop: 45756, Start Num: 13

Candidate Starts for NoShow_62:

(5, 43753), (Start: 13 @43789 has 26 MA's), (16, 43813), (17, 43816), (22, 43858), (25, 43879), (38, 44005), (44, 44059), (58, 44164), (59, 44173), (84, 44389), (96, 44467), (99, 44479), (101, 44500), (102, 44503), (105, 44530), (112, 44599), (113, 44602), (115, 44611), (145, 44869), (147, 44887), (162, 44956), (164, 44965), (171, 45010), (184, 45085), (194, 45115), (199, 45136), (206, 45178), (207, 45181), (215, 45250), (219, 45295), (222, 45304), (228, 45352), (256, 45529), (282, 45715), (288, 45736),

Gene: Nodigi_63 Start: 41908, Stop: 43920, Start Num: 11

Candidate Starts for Nodigi_63:

(Start: 11 @41908 has 3 MA's), (22, 41983), (38, 42130), (39, 42133), (42, 42169), (56, 42280), (66, 42346), (70, 42388), (96, 42586), (99, 42598), (100, 42610), (102, 42622), (103, 42628), (115, 42727), (116, 42739), (120, 42781), (121, 42784), (122, 42787), (127, 42832), (131, 42871), (135, 42901), (136, 42907), (140, 42937), (145, 42985), (156, 43051), (162, 43072), (169, 43108), (176, 43168), (181, 43180), (186, 43207), (200, 43258), (201, 43267), (205, 43291), (215, 43366), (219, 43411), (222, 43420), (223, 43429), (228, 43468), (233, 43510), (234, 43516), (247, 43606), (252, 43642), (261, 43711), (265, 43741), (281, 43846), (293, 43891),

Gene: Nucci_30 Start: 23372, Stop: 21696, Start Num: 14

Candidate Starts for Nucci_30:

(Start: 14 @23372 has 165 MA's), (Start: 20 @23339 has 5 MA's), (Start: 23 @23309 has 1 MA's), (Start: 24 @23303 has 7 MA's), (28, 23246), (45, 23102), (54, 23045), (60, 22985), (64, 22952), (72, 22892), (74, 22880), (76, 22847), (79, 22826), (80, 22811), (83, 22796), (104, 22667), (106, 22655), (129, 22487), (137, 22445), (138, 22436), (144, 22379), (156, 22307), (161, 22289), (183, 22145), (193, 22112), (206, 22043), (209, 22028), (211, 22022), (214, 21983), (220, 21926), (226, 21878), (233, 21824), (241, 21776), (244, 21752), (249, 21722),

Gene: Oats_33 Start: 23795, Stop: 22125, Start Num: 14

Candidate Starts for Oats_33:

(Start: 14 @23795 has 165 MA's), (Start: 20 @23762 has 5 MA's), (Start: 24 @23726 has 7 MA's), (28, 23669), (33, 23639), (34, 23633), (50, 23507), (63, 23399), (64, 23393), (79, 23267), (83, 23237), (129, 22925), (137, 22883), (143, 22832), (211, 22460), (214, 22421), (220, 22364), (227, 22307), (233, 22262), (237, 22229), (240, 22220), (242, 22202), (248, 22169),

Gene: OldNelly_34 Start: 24099, Stop: 22429, Start Num: 14

Candidate Starts for OldNelly_34:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (Start: 24 @24030 has 7 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (156, 23049), (211, 22764), (214, 22725), (220, 22668), (227, 22611), (233, 22566), (237, 22533), (242, 22506), (248, 22473),

Gene: Orla_65 Start: 42231, Stop: 44243, Start Num: 11

Candidate Starts for Orla_65:

(Start: 11 @42231 has 3 MA's), (22, 42306), (38, 42453), (39, 42456), (42, 42492), (56, 42603), (66, 42669), (99, 42921), (100, 42933), (102, 42945), (103, 42951), (115, 43050), (116, 43062), (120, 43104), (121, 43107), (122, 43110), (127, 43155), (136, 43230), (140, 43260), (145, 43308), (156, 43374), (162, 43395), (169, 43431), (176, 43491), (181, 43503), (186, 43530), (200, 43581), (201, 43590), (205, 43614), (215, 43689), (219, 43734), (222, 43743), (223, 43752), (228, 43791), (233, 43833), (234, 43839), (247, 43929), (252, 43965), (261, 44034), (265, 44064), (266, 44085), (281, 44169), (282, 44175), (293, 44214),

Gene: Oxtobor96_34 Start: 24098, Stop: 22428, Start Num: 14

Candidate Starts for Oxtobor96_34:

(Start: 14 @24098 has 165 MA's), (Start: 20 @24065 has 5 MA's), (Start: 24 @24029 has 7 MA's), (28, 23972), (33, 23942), (34, 23936), (50, 23810), (63, 23702), (64, 23696), (79, 23570), (83, 23540), (129, 23228), (137, 23186), (211, 22763), (214, 22724), (220, 22667), (227, 22610), (229, 22604), (233, 22565), (237, 22532), (240, 22523), (242, 22505), (248, 22472),

Gene: PSirce_31 Start: 23727, Stop: 22045, Start Num: 14

Candidate Starts for PSirce_31:

(Start: 14 @23727 has 165 MA's), (Start: 18 @23703 has 1 MA's), (Start: 20 @23694 has 5 MA's), (22, 23676), (Start: 23 @23664 has 1 MA's), (Start: 24 @23658 has 7 MA's), (29, 23598), (32, 23577), (43, 23466), (45, 23457), (54, 23400), (64, 23307), (68, 23271), (72, 23247), (79, 23181), (81, 23163), (83, 23151), (96, 23073), (104, 23022), (134, 22806), (137, 22794), (139, 22782), (143, 22743), (144, 22728), (148, 22701), (159, 22644), (161, 22638), (185, 22497), (211, 22380), (213, 22359), (214, 22341), (220, 22284), (232, 22185), (234, 22176), (242, 22122),

Gene: Pajaza_30 Start: 23059, Stop: 21395, Start Num: 14

Candidate Starts for Pajaza_30:

(Start: 14 @23059 has 165 MA's), (Start: 20 @23023 has 5 MA's), (22, 23005), (Start: 24 @22987 has 7 MA's), (30, 22921), (36, 22885), (39, 22861), (43, 22813), (49, 22771), (58, 22705), (63, 22660), (64, 22654), (78, 22531), (83, 22498), (90, 22468), (97, 22417), (106, 22357), (117, 22264), (129, 22192), (137, 22150), (138, 22141), (139, 22138), (140, 22129), (141, 22126), (143, 22099), (144, 22084), (148, 22057), (149, 22054), (167, 21961), (185, 21853), (193, 21826), (205, 21760), (211, 21736), (213, 21715), (214, 21697), (219, 21640), (220, 21637), (242, 21472), (251, 21418),

Gene: Papafritta_33 Start: 23791, Stop: 22121, Start Num: 14

Candidate Starts for Papafritta_33:

(Start: 14 @23791 has 165 MA's), (Start: 20 @23758 has 5 MA's), (Start: 24 @23722 has 7 MA's), (28, 23665), (33, 23635), (34, 23629), (50, 23503), (63, 23395), (64, 23389), (79, 23263), (83, 23233), (129, 22921), (137, 22879), (156, 22741), (211, 22456), (214, 22417), (220, 22360), (227, 22303), (233, 22258), (237, 22225), (240, 22216), (242, 22198), (248, 22165),

Gene: ParleG_34 Start: 24100, Stop: 22430, Start Num: 14

Candidate Starts for ParleG_34:

(Start: 14 @24100 has 165 MA's), (Start: 20 @24067 has 5 MA's), (Start: 24 @24031 has 7 MA's), (28, 23974), (33, 23944), (34, 23938), (50, 23812), (63, 23704), (64, 23698), (79, 23572), (83, 23542), (129,

23230), (137, 23188), (143, 23137), (156, 23050), (211, 22765), (214, 22726), (220, 22669), (227, 22612), (233, 22567), (237, 22534), (240, 22525), (242, 22507), (248, 22474),

Gene: Peep_34 Start: 24085, Stop: 22415, Start Num: 14

Candidate Starts for Peep_34:

(Start: 14 @24085 has 165 MA's), (Start: 20 @24052 has 5 MA's), (Start: 24 @24016 has 7 MA's), (28, 23959), (33, 23929), (34, 23923), (50, 23797), (63, 23689), (64, 23683), (79, 23557), (83, 23527), (129, 23215), (137, 23173), (143, 23122), (156, 23035), (211, 22750), (214, 22711), (220, 22654), (227, 22597), (233, 22552), (237, 22519), (240, 22510), (242, 22492), (248, 22459),

Gene: Peppino_33 Start: 24194, Stop: 22452, Start Num: 14

Candidate Starts for Peppino_33:

(Start: 14 @24194 has 165 MA's), (22, 24143), (Start: 23 @24131 has 1 MA's), (Start: 24 @24125 has 7 MA's), (33, 24038), (43, 23924), (48, 23885), (50, 23879), (58, 23816), (63, 23771), (80, 23624), (82, 23618), (83, 23609), (86, 23597), (129, 23300), (130, 23291), (137, 23258), (143, 23207), (147, 23171), (156, 23120), (181, 22973), (196, 22895), (197, 22865), (203, 22829), (211, 22787), (214, 22748), (220, 22691), (227, 22634), (233, 22589), (237, 22556), (242, 22529), (248, 22496),

Gene: Phanita_31 Start: 23707, Stop: 22025, Start Num: 14

Candidate Starts for Phanita_31:

(Start: 14 @23707 has 165 MA's), (Start: 18 @23683 has 1 MA's), (Start: 20 @23674 has 5 MA's), (22, 23656), (Start: 23 @23644 has 1 MA's), (Start: 24 @23638 has 7 MA's), (32, 23557), (43, 23446), (54, 23380), (64, 23287), (68, 23251), (72, 23227), (79, 23161), (81, 23143), (83, 23131), (96, 23053), (104, 23002), (134, 22786), (137, 22774), (143, 22723), (144, 22708), (148, 22681), (185, 22477), (211, 22360), (213, 22339), (214, 22321), (220, 22264), (232, 22165), (234, 22156), (242, 22102),

Gene: Pherbot_31 Start: 23661, Stop: 21994, Start Num: 14

Candidate Starts for Pherbot_31:

(Start: 14 @23661 has 165 MA's), (Start: 20 @23628 has 5 MA's), (Start: 24 @23592 has 7 MA's), (26, 23580), (28, 23535), (29, 23532), (43, 23418), (58, 23310), (59, 23298), (63, 23265), (64, 23259), (77, 23151), (79, 23133), (83, 23103), (129, 22782), (130, 22773), (137, 22740), (143, 22689), (144, 22674), (148, 22647), (161, 22584), (181, 22467), (185, 22443), (190, 22428), (206, 22347), (211, 22326), (214, 22287), (220, 22230), (226, 22182), (242, 22065), (246, 22044),

Gene: Pherferi_34 Start: 24099, Stop: 22429, Start Num: 14

Candidate Starts for Pherferi_34:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (Start: 24 @24030 has 7 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (156, 23049), (211, 22764), (214, 22725), (220, 22668), (227, 22611), (233, 22566), (237, 22533), (240, 22524), (242, 22506), (248, 22473),

Gene: Phiderman_34 Start: 24096, Stop: 22426, Start Num: 14

Candidate Starts for Phiderman_34:

(Start: 14 @24096 has 165 MA's), (Start: 20 @24063 has 5 MA's), (Start: 24 @24027 has 7 MA's), (28, 23970), (33, 23940), (34, 23934), (50, 23808), (63, 23700), (64, 23694), (79, 23568), (83, 23538), (129, 23226), (137, 23184), (143, 23133), (156, 23046), (211, 22761), (214, 22722), (220, 22665), (227, 22608), (233, 22563), (237, 22530), (240, 22521), (242, 22503), (248, 22470),

Gene: Phireproof_34 Start: 24099, Stop: 22429, Start Num: 14

Candidate Starts for Phireproof_34:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (Start: 24 @24030 has 7 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (156, 23049), (211, 22764), (214, 22725), (220, 22668), (227,

22611), (233, 22566), (237, 22533), (240, 22524), (242, 22506), (248, 22473),

Gene: PhredFlintston_34 Start: 24099, Stop: 22429, Start Num: 14

Candidate Starts for PhredFlintston_34:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (156, 23049), (211, 22764), (214, 22725), (220, 22668), (227, 22611), (233, 22566), (237, 22533), (240, 22524), (242, 22506), (248, 22473),

Gene: Phriends_34 Start: 24099, Stop: 22429, Start Num: 14

Candidate Starts for Phriends_34:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (Start: 24 @24030 has 7 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (156, 23049), (211, 22764), (214, 22725), (220, 22668), (227, 22611), (233, 22566), (237, 22533), (242, 22506), (248, 22473),

Gene: Pikmin_30 Start: 23059, Stop: 21395, Start Num: 14

Candidate Starts for Pikmin_30:

(Start: 14 @23059 has 165 MA's), (Start: 20 @23023 has 5 MA's), (22, 23005), (Start: 24 @22987 has 7 MA's), (30, 22921), (36, 22885), (39, 22861), (43, 22813), (49, 22771), (58, 22705), (63, 22660), (64, 22654), (78, 22531), (83, 22498), (90, 22468), (97, 22417), (106, 22357), (117, 22264), (129, 22192), (137, 22150), (138, 22141), (139, 22138), (140, 22129), (141, 22126), (143, 22099), (144, 22084), (148, 22057), (149, 22054), (167, 21961), (185, 21853), (193, 21826), (205, 21760), (211, 21736), (213, 21715), (214, 21697), (219, 21640), (220, 21637), (242, 21472), (251, 21418),

Gene: Pocket_33 Start: 23780, Stop: 22110, Start Num: 14

Candidate Starts for Pocket_33:

(Start: 14 @23780 has 165 MA's), (Start: 20 @23747 has 5 MA's), (Start: 24 @23711 has 7 MA's), (28, 23654), (33, 23624), (34, 23618), (50, 23492), (63, 23384), (64, 23378), (79, 23252), (83, 23222), (129, 22910), (137, 22868), (156, 22730), (211, 22445), (214, 22406), (220, 22349), (227, 22292), (233, 22247), (237, 22214), (242, 22187), (248, 22154),

Gene: Pons_63 Start: 42083, Stop: 44167, Start Num: 6

Candidate Starts for Pons_63:

(4, 42047), (Start: 6 @42083 has 13 MA's), (15, 42122), (22, 42170), (27, 42206), (38, 42323), (56, 42473), (62, 42503), (66, 42539), (67, 42545), (77, 42647), (85, 42707), (94, 42767), (96, 42779), (100, 42803), (102, 42815), (104, 42833), (109, 42878), (114, 42917), (121, 42977), (123, 42998), (140, 43151), (145, 43199), (162, 43283), (169, 43319), (181, 43391), (186, 43418), (204, 43496), (215, 43577), (219, 43622), (222, 43631), (223, 43640), (225, 43655), (228, 43679), (234, 43727), (238, 43757), (239, 43763), (243, 43802), (250, 43844), (261, 43931), (263, 43943), (267, 43991), (268, 43997), (274, 44036), (275, 44051), (286, 44102), (293, 44123), (295, 44141), (297, 44150),

Gene: PotPie_61 Start: 42574, Stop: 44655, Start Num: 6

Candidate Starts for PotPie_61:

(4, 42538), (Start: 6 @42574 has 13 MA's), (15, 42613), (22, 42661), (27, 42697), (38, 42814), (56, 42964), (62, 42994), (66, 43030), (67, 43036), (77, 43138), (85, 43198), (88, 43213), (94, 43258), (96, 43270), (102, 43306), (104, 43324), (109, 43369), (114, 43408), (121, 43468), (123, 43489), (140, 43642), (145, 43690), (162, 43774), (169, 43810), (181, 43882), (186, 43909), (219, 44113), (220, 44116), (222, 44122), (223, 44131), (225, 44146), (228, 44170), (234, 44218), (238, 44248), (239, 44254), (250, 44335), (263, 44434), (267, 44482), (274, 44527), (276, 44548), (285, 44590), (286, 44593),

Gene: PrincePhergus_31 Start: 23664, Stop: 21997, Start Num: 14

Candidate Starts for PrincePhergus_31:

(Start: 14 @23664 has 165 MA's), (Start: 20 @23631 has 5 MA's), (Start: 24 @23595 has 7 MA's), (26, 23583), (43, 23421), (58, 23313), (59, 23301), (63, 23268), (64, 23262), (77, 23154), (79, 23136), (83, 23106), (130, 22776), (138, 22734), (143, 22692), (144, 22677), (148, 22650), (151, 22638), (181, 22470), (185, 22446), (190, 22431), (206, 22350), (211, 22329), (214, 22290), (220, 22233), (226, 22185), (242, 22068), (246, 22047),

Gene: PsychoKiller_57 Start: 39860, Stop: 41854, Start Num: 13

Candidate Starts for PsychoKiller_57:

(Start: 13 @39860 has 26 MA's), (38, 40076), (42, 40115), (44, 40130), (66, 40292), (70, 40334), (72, 40343), (77, 40400), (95, 40523), (103, 40574), (115, 40673), (116, 40685), (121, 40730), (136, 40844), (138, 40862), (140, 40874), (145, 40922), (154, 40979), (155, 40985), (162, 41006), (169, 41042), (186, 41123), (191, 41135), (202, 41186), (214, 41270), (219, 41327), (223, 41345), (228, 41384), (244, 41510), (258, 41585), (259, 41606), (263, 41633), (267, 41678), (274, 41723), (285, 41786), (286, 41789), (293, 41810),

Gene: PuppyEggo_34 Start: 24097, Stop: 22427, Start Num: 14

Candidate Starts for PuppyEggo_34:

(Start: 14 @24097 has 165 MA's), (Start: 20 @24064 has 5 MA's), (Start: 24 @24028 has 7 MA's), (28, 23971), (33, 23941), (34, 23935), (50, 23809), (63, 23701), (64, 23695), (79, 23569), (83, 23539), (129, 23227), (137, 23185), (211, 22762), (214, 22723), (220, 22666), (227, 22609), (233, 22564), (237, 22531), (240, 22522), (242, 22504), (248, 22471),

Gene: QuadZero_31 Start: 21970, Stop: 20303, Start Num: 14

Candidate Starts for QuadZero_31:

(Start: 14 @21970 has 165 MA's), (Start: 20 @21937 has 5 MA's), (Start: 24 @21901 has 7 MA's), (28, 21844), (48, 21688), (52, 21676), (54, 21661), (59, 21607), (64, 21568), (69, 21526), (72, 21508), (79, 21442), (80, 21427), (83, 21412), (85, 21403), (129, 21094), (132, 21067), (138, 21043), (142, 21007), (143, 21001), (165, 20881), (170, 20848), (172, 20836), (183, 20755), (185, 20749), (211, 20632), (214, 20593), (219, 20539), (233, 20434), (240, 20392), (241, 20386),

Gene: Quartz_31 Start: 23508, Stop: 21832, Start Num: 14

Candidate Starts for Quartz_31:

(Start: 14 @23508 has 165 MA's), (Start: 20 @23475 has 5 MA's), (Start: 23 @23445 has 1 MA's), (Start: 24 @23439 has 7 MA's), (28, 23382), (45, 23238), (54, 23181), (60, 23121), (64, 23088), (72, 23028), (74, 23016), (76, 22983), (79, 22962), (80, 22947), (83, 22932), (104, 22803), (106, 22791), (129, 22623), (137, 22581), (138, 22572), (144, 22515), (156, 22443), (161, 22425), (183, 22281), (193, 22248), (206, 22179), (209, 22164), (211, 22158), (214, 22119), (220, 22062), (226, 22014), (233, 21960), (241, 21912), (244, 21888), (249, 21858), (252, 21843), (253, 21840),

Gene: Quasar_58 Start: 40564, Stop: 42558, Start Num: 13

Candidate Starts for Quasar_58:

(Start: 13 @40564 has 26 MA's), (38, 40780), (42, 40819), (44, 40834), (70, 41038), (72, 41047), (77, 41104), (95, 41227), (103, 41278), (115, 41377), (116, 41389), (121, 41434), (136, 41548), (138, 41566), (140, 41578), (145, 41626), (154, 41683), (162, 41710), (169, 41746), (186, 41827), (191, 41839), (202, 41890), (214, 41974), (219, 42031), (223, 42049), (228, 42088), (244, 42214), (258, 42289), (259, 42310), (263, 42337), (267, 42382), (274, 42427), (285, 42490), (286, 42493), (293, 42514),

Gene: Raccoon_33 Start: 24160, Stop: 22418, Start Num: 14

Candidate Starts for Raccoon_33:

(Start: 14 @24160 has 165 MA's), (22, 24109), (Start: 23 @24097 has 1 MA's), (Start: 24 @24091 has 7 MA's), (33, 24004), (35, 23992), (43, 23890), (48, 23851), (50, 23845), (58, 23782), (63, 23737), (80,

23590), (82, 23584), (83, 23575), (86, 23563), (129, 23266), (130, 23257), (137, 23224), (143, 23173), (147, 23137), (156, 23086), (181, 22939), (196, 22861), (199, 22816), (211, 22753), (214, 22714), (220, 22657), (227, 22600), (233, 22555), (237, 22522), (240, 22513), (241, 22507), (242, 22495), (248, 22462),

Gene: RanchParmCat_62 Start: 41196, Stop: 43217, Start Num: 7

Candidate Starts for RanchParmCat_62:

(Start: 7 @41196 has 2 MA's), (22, 41277), (38, 41424), (39, 41427), (42, 41463), (56, 41574), (66, 41640), (72, 41691), (73, 41697), (92, 41841), (96, 41880), (99, 41892), (102, 41916), (103, 41922), (116, 42033), (121, 42078), (127, 42126), (139, 42222), (140, 42231), (145, 42279), (169, 42402), (181, 42474), (186, 42501), (190, 42510), (201, 42561), (205, 42585), (215, 42660), (219, 42705), (222, 42714), (223, 42723), (228, 42762), (233, 42804), (252, 42936), (261, 43008), (265, 43038), (281, 43143), (293, 43188),

Gene: Rapheph_34 Start: 24099, Stop: 22429, Start Num: 14

Candidate Starts for Rapheph_34:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (Start: 24 @24030 has 7 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (156, 23049), (211, 22764), (214, 22725), (220, 22668), (227, 22611), (233, 22566), (237, 22533), (240, 22524), (242, 22506), (248, 22473),

Gene: Raptor_34 Start: 24097, Stop: 22427, Start Num: 14

Candidate Starts for Raptor_34:

(Start: 14 @24097 has 165 MA's), (Start: 20 @24064 has 5 MA's), (Start: 24 @24028 has 7 MA's), (28, 23971), (33, 23941), (34, 23935), (50, 23809), (63, 23701), (64, 23695), (79, 23569), (83, 23539), (129, 23227), (137, 23185), (143, 23134), (211, 22762), (214, 22723), (220, 22666), (227, 22609), (233, 22564), (237, 22531), (240, 22522), (242, 22504), (248, 22471),

Gene: RedBaron_62 Start: 40937, Stop: 42931, Start Num: 13

Candidate Starts for RedBaron_62:

(Start: 13 @40937 has 26 MA's), (38, 41153), (39, 41156), (42, 41192), (44, 41207), (66, 41369), (70, 41411), (72, 41420), (77, 41477), (95, 41600), (103, 41651), (115, 41750), (116, 41762), (121, 41807), (136, 41921), (138, 41939), (140, 41951), (145, 41999), (154, 42056), (162, 42083), (169, 42119), (186, 42200), (191, 42212), (202, 42263), (214, 42347), (219, 42404), (223, 42422), (228, 42461), (244, 42587), (258, 42662), (259, 42683), (263, 42710), (267, 42755), (274, 42800), (285, 42863), (286, 42866), (293, 42887),

Gene: Redfield_33 Start: 24201, Stop: 22459, Start Num: 14

Candidate Starts for Redfield_33:

(Start: 14 @24201 has 165 MA's), (22, 24150), (Start: 23 @24138 has 1 MA's), (Start: 24 @24132 has 7 MA's), (33, 24045), (43, 23931), (48, 23892), (50, 23886), (58, 23823), (63, 23778), (80, 23631), (82, 23625), (83, 23616), (86, 23604), (129, 23307), (130, 23298), (137, 23265), (143, 23214), (147, 23178), (156, 23127), (181, 22980), (196, 22902), (197, 22872), (203, 22836), (211, 22794), (214, 22755), (220, 22698), (227, 22641), (233, 22596), (237, 22563), (242, 22536), (248, 22503),

Gene: RenegadeRaider_32 Start: 23507, Stop: 21840, Start Num: 14

Candidate Starts for RenegadeRaider_32:

(Start: 14 @23507 has 165 MA's), (Start: 20 @23474 has 5 MA's), (Start: 24 @23438 has 7 MA's), (26, 23426), (43, 23264), (58, 23156), (59, 23144), (63, 23111), (64, 23105), (77, 22997), (79, 22979), (83, 22949), (130, 22619), (138, 22577), (143, 22535), (144, 22520), (148, 22493), (151, 22481), (181, 22313), (185, 22289), (190, 22274), (206, 22193), (211, 22172), (214, 22133), (220, 22076), (226, 22028), (242, 21911), (246, 21890),

Gene: Renzie_34 Start: 24085, Stop: 22415, Start Num: 14

Candidate Starts for Renzie_34:

(Start: 14 @24085 has 165 MA's), (Start: 20 @24052 has 5 MA's), (Start: 24 @24016 has 7 MA's), (28, 23959), (33, 23929), (34, 23923), (50, 23797), (63, 23689), (64, 23683), (79, 23557), (83, 23527), (129, 23215), (137, 23173), (143, 23122), (156, 23035), (211, 22750), (214, 22711), (220, 22654), (227, 22597), (233, 22552), (237, 22519), (240, 22510), (242, 22492), (248, 22459),

Gene: Riyhil_34 Start: 24099, Stop: 22429, Start Num: 14

Candidate Starts for Riyhil_34:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (Start: 24 @24030 has 7 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (156, 23049), (211, 22764), (214, 22725), (220, 22668), (227, 22611), (233, 22566), (237, 22533), (242, 22506), (248, 22473),

Gene: Robinson_34 Start: 24091, Stop: 22421, Start Num: 14

Candidate Starts for Robinson_34:

(Start: 14 @24091 has 165 MA's), (Start: 20 @24058 has 5 MA's), (Start: 24 @24022 has 7 MA's), (28, 23965), (33, 23935), (34, 23929), (50, 23803), (63, 23695), (64, 23689), (79, 23563), (83, 23533), (129, 23221), (137, 23179), (143, 23128), (156, 23041), (211, 22756), (214, 22717), (220, 22660), (227, 22603), (233, 22558), (237, 22525), (240, 22516), (242, 22498), (248, 22465),

Gene: Rog141_33 Start: 23782, Stop: 22112, Start Num: 14

Candidate Starts for Rog141_33:

(Start: 14 @23782 has 165 MA's), (Start: 20 @23749 has 5 MA's), (Start: 24 @23713 has 7 MA's), (28, 23656), (33, 23626), (34, 23620), (50, 23494), (63, 23386), (64, 23380), (79, 23254), (81, 23236), (83, 23224), (129, 22912), (137, 22870), (156, 22732), (211, 22447), (214, 22408), (220, 22351), (227, 22294), (233, 22249), (237, 22216), (240, 22207), (242, 22189), (248, 22156),

Gene: RosieMae_34 Start: 23768, Stop: 22122, Start Num: 24

Candidate Starts for RosieMae_34:

(Start: 14 @23837 has 165 MA's), (Start: 20 @23804 has 5 MA's), (Start: 24 @23768 has 7 MA's), (28, 23711), (33, 23681), (34, 23675), (50, 23549), (63, 23441), (64, 23435), (79, 23309), (81, 23291), (83, 23279), (129, 22967), (137, 22925), (156, 22787), (196, 22565), (203, 22499), (211, 22457), (214, 22418), (220, 22361), (227, 22304), (233, 22259), (237, 22226), (240, 22217), (242, 22199), (248, 22166),

Gene: SJay_34 Start: 24094, Stop: 22424, Start Num: 14

Candidate Starts for SJay_34:

(Start: 14 @24094 has 165 MA's), (Start: 20 @24061 has 5 MA's), (Start: 24 @24025 has 7 MA's), (28, 23968), (33, 23938), (34, 23932), (50, 23806), (63, 23698), (64, 23692), (79, 23566), (81, 23548), (83, 23536), (129, 23224), (137, 23182), (143, 23131), (211, 22759), (214, 22720), (220, 22663), (227, 22606), (233, 22561), (237, 22528), (240, 22519), (242, 22501), (248, 22468),

Gene: Sansa_31 Start: 23795, Stop: 22116, Start Num: 14

Candidate Starts for Sansa_31:

(Start: 14 @23795 has 165 MA's), (Start: 18 @23771 has 1 MA's), (Start: 20 @23762 has 5 MA's), (22, 23744), (Start: 23 @23732 has 1 MA's), (Start: 24 @23726 has 7 MA's), (32, 23645), (43, 23534), (54, 23468), (64, 23375), (68, 23339), (72, 23315), (79, 23249), (81, 23231), (83, 23219), (96, 23141), (104, 23090), (134, 22874), (137, 22862), (139, 22850), (143, 22811), (144, 22796), (148, 22769), (159, 22712), (161, 22706), (185, 22565), (187, 22559), (211, 22448), (213, 22427), (214, 22409), (220, 22352), (232, 22253), (234, 22244), (242, 22190),

Gene: Saratos_32 Start: 23709, Stop: 22027, Start Num: 14

Candidate Starts for Saratos_32:

(Start: 14 @23709 has 165 MA's), (Start: 18 @23685 has 1 MA's), (Start: 20 @23676 has 5 MA's), (22, 23658), (Start: 23 @23646 has 1 MA's), (Start: 24 @23640 has 7 MA's), (32, 23559), (43, 23448), (45, 23439), (54, 23382), (64, 23289), (68, 23253), (72, 23229), (79, 23163), (81, 23145), (83, 23133), (96, 23055), (104, 23004), (134, 22788), (137, 22776), (139, 22764), (143, 22725), (144, 22710), (148, 22683), (159, 22626), (161, 22620), (185, 22479), (211, 22362), (213, 22341), (214, 22323), (220, 22266), (232, 22167), (234, 22158), (242, 22104),

Gene: Schimmels22_32 Start: 22792, Stop: 21119, Start Num: 14

Candidate Starts for Schimmels22_32:

(Start: 14 @22792 has 165 MA's), (22, 22741), (Start: 24 @22723 has 7 MA's), (45, 22528), (58, 22429), (63, 22384), (64, 22378), (68, 22342), (69, 22336), (80, 22237), (83, 22222), (129, 21907), (144, 21799), (161, 21709), (172, 21649), (182, 21586), (206, 21469), (211, 21448), (214, 21409), (215, 21400), (220, 21352), (231, 21274), (233, 21250), (241, 21202),

Gene: Schnapsidee_33 Start: 24195, Stop: 22453, Start Num: 14

Candidate Starts for Schnapsidee_33:

(Start: 14 @24195 has 165 MA's), (22, 24144), (Start: 23 @24132 has 1 MA's), (Start: 24 @24126 has 7 MA's), (33, 24039), (43, 23925), (48, 23886), (50, 23880), (58, 23817), (63, 23772), (80, 23625), (82, 23619), (83, 23610), (86, 23598), (129, 23301), (130, 23292), (137, 23259), (143, 23208), (147, 23172), (156, 23121), (181, 22974), (196, 22896), (197, 22866), (203, 22830), (211, 22788), (214, 22749), (220, 22692), (227, 22635), (233, 22590), (237, 22557), (242, 22530), (248, 22497),

Gene: Schubert_31 Start: 23665, Stop: 21992, Start Num: 14

Candidate Starts for Schubert_31:

(Start: 14 @23665 has 165 MA's), (Start: 20 @23632 has 5 MA's), (Start: 24 @23596 has 7 MA's), (39, 23473), (45, 23416), (54, 23359), (63, 23272), (64, 23266), (68, 23230), (72, 23206), (83, 23110), (99, 23020), (129, 22804), (147, 22675), (161, 22606), (185, 22456), (206, 22360), (211, 22339), (213, 22318), (214, 22300), (220, 22243), (242, 22078), (246, 22057),

Gene: Scissor2024_32 Start: 22377, Stop: 20755, Start Num: 22

Candidate Starts for Scissor2024_32:

(Start: 14 @22428 has 165 MA's), (22, 22377), (Start: 24 @22359 has 7 MA's), (45, 22164), (58, 22065), (63, 22020), (64, 22014), (68, 21978), (69, 21972), (80, 21873), (83, 21858), (129, 21543), (144, 21435), (161, 21345), (172, 21285), (182, 21222), (206, 21105), (211, 21084), (214, 21045), (215, 21036), (220, 20988), (231, 20910), (233, 20886), (241, 20838),

Gene: Sedgewig_33 Start: 23774, Stop: 22104, Start Num: 14

Candidate Starts for Sedgewig_33:

(Start: 14 @23774 has 165 MA's), (Start: 20 @23741 has 5 MA's), (Start: 24 @23705 has 7 MA's), (28, 23648), (33, 23618), (34, 23612), (50, 23486), (63, 23378), (64, 23372), (79, 23246), (83, 23216), (129, 22904), (137, 22862), (156, 22724), (211, 22439), (214, 22400), (220, 22343), (227, 22286), (233, 22241), (237, 22208), (240, 22199), (242, 22181), (248, 22148),

Gene: ShaiHulud_34 Start: 24097, Stop: 22427, Start Num: 14

Candidate Starts for ShaiHulud_34:

(Start: 14 @24097 has 165 MA's), (Start: 20 @24064 has 5 MA's), (Start: 24 @24028 has 7 MA's), (28, 23971), (33, 23941), (34, 23935), (50, 23809), (63, 23701), (64, 23695), (79, 23569), (83, 23539), (129, 23227), (137, 23185), (143, 23134), (211, 22762), (214, 22723), (220, 22666), (227, 22609), (233, 22564), (237, 22531), (240, 22522), (242, 22504), (248, 22471),

Gene: Shamu_32 Start: 23724, Stop: 22042, Start Num: 14

Candidate Starts for Shamu_32:

(Start: 14 @23724 has 165 MA's), (Start: 18 @23700 has 1 MA's), (Start: 20 @23691 has 5 MA's), (22, 23673), (Start: 23 @23661 has 1 MA's), (Start: 24 @23655 has 7 MA's), (32, 23574), (43, 23463), (45, 23454), (54, 23397), (64, 23304), (68, 23268), (72, 23244), (79, 23178), (81, 23160), (83, 23148), (96, 23070), (104, 23019), (134, 22803), (137, 22791), (139, 22779), (143, 22740), (144, 22725), (148, 22698), (159, 22641), (161, 22635), (185, 22494), (211, 22377), (213, 22356), (214, 22338), (220, 22281), (232, 22182), (234, 22173), (242, 22119),

Gene: SheckWes_65 Start: 41614, Stop: 43698, Start Num: 6

Candidate Starts for SheckWes_65:

(4, 41578), (Start: 6 @41614 has 13 MA's), (15, 41653), (22, 41701), (27, 41737), (38, 41854), (56, 42004), (62, 42034), (66, 42070), (67, 42076), (77, 42178), (85, 42238), (94, 42298), (96, 42310), (100, 42334), (102, 42346), (104, 42364), (111, 42430), (114, 42448), (121, 42508), (123, 42529), (140, 42682), (145, 42730), (162, 42814), (169, 42850), (181, 42922), (182, 42925), (186, 42949), (204, 43027), (215, 43108), (219, 43153), (222, 43162), (223, 43171), (225, 43186), (228, 43210), (234, 43258), (238, 43288), (239, 43294), (243, 43333), (250, 43375), (261, 43462), (262, 43471), (263, 43474), (267, 43522), (268, 43528), (274, 43567), (275, 43582), (286, 43633), (293, 43654), (295, 43672), (297, 43681),

Gene: Shee_34 Start: 24096, Stop: 22426, Start Num: 14

Candidate Starts for Shee_34:

(Start: 14 @24096 has 165 MA's), (Start: 20 @24063 has 5 MA's), (Start: 24 @24027 has 7 MA's), (28, 23970), (33, 23940), (34, 23934), (50, 23808), (63, 23700), (64, 23694), (79, 23568), (83, 23538), (129, 23226), (137, 23184), (143, 23133), (156, 23046), (211, 22761), (214, 22722), (220, 22665), (227, 22608), (233, 22563), (237, 22530), (240, 22521), (242, 22503), (248, 22470),

Gene: Shrew_97 Start: 56997, Stop: 59129, Start Num: 10

Candidate Starts for Shrew_97:

(2, 56886), (Start: 10 @56997 has 1 MA's), (39, 57240), (42, 57276), (57, 57390), (65, 57447), (76, 57570), (93, 57681), (114, 57843), (115, 57846), (118, 57891), (163, 58203), (173, 58263), (189, 58368), (192, 58383), (201, 58425), (202, 58440), (206, 58464), (210, 58482), (211, 58485), (214, 58524), (223, 58599), (228, 58635), (245, 58755), (251, 58794), (279, 59013), (286, 59046), (287, 59049), (294, 59076), (296, 59088), (298, 59115),

Gene: Sinatra_31 Start: 23660, Stop: 21993, Start Num: 14

Candidate Starts for Sinatra_31:

(Start: 14 @23660 has 165 MA's), (Start: 20 @23627 has 5 MA's), (Start: 24 @23591 has 7 MA's), (26, 23579), (28, 23534), (29, 23531), (43, 23417), (45, 23408), (58, 23309), (59, 23297), (63, 23264), (64, 23258), (77, 23150), (79, 23132), (83, 23102), (129, 22781), (130, 22772), (137, 22739), (143, 22688), (144, 22673), (148, 22646), (161, 22583), (181, 22466), (185, 22442), (190, 22427), (206, 22346), (211, 22325), (214, 22286), (220, 22229), (226, 22181), (242, 22064), (246, 22043),

Gene: SirVictor_31 Start: 23751, Stop: 22084, Start Num: 14

Candidate Starts for SirVictor_31:

(Start: 14 @23751 has 165 MA's), (Start: 20 @23718 has 5 MA's), (Start: 24 @23682 has 7 MA's), (26, 23670), (45, 23499), (58, 23400), (63, 23355), (64, 23349), (76, 23244), (83, 23193), (110, 23004), (129, 22872), (130, 22863), (137, 22830), (143, 22779), (148, 22737), (161, 22674), (181, 22557), (185, 22533), (190, 22518), (206, 22437), (211, 22416), (214, 22377), (220, 22320), (226, 22272), (242, 22155), (246, 22134),

Gene: SketchMex_58 Start: 39757, Stop: 41754, Start Num: 13

Candidate Starts for SketchMex_58:

(Start: 13 @39757 has 26 MA's), (38, 39973), (42, 40012), (72, 40240), (91, 40378), (92, 40390), (95, 40420), (100, 40453), (113, 40561), (115, 40570), (116, 40582), (121, 40627), (131, 40708), (140,

40774), (145, 40822), (150, 40852), (152, 40861), (169, 40942), (186, 41023), (212, 41146), (219, 41227), (222, 41236), (223, 41245), (228, 41284), (244, 41410), (252, 41458), (258, 41485), (263, 41533), (265, 41551), (266, 41572), (267, 41578), (274, 41623), (282, 41671), (285, 41686), (286, 41689), (293, 41710),

Gene: Socotra_59 Start: 39972, Stop: 41966, Start Num: 13

Candidate Starts for Socotra_59:

(Start: 13 @39972 has 26 MA's), (38, 40188), (42, 40227), (44, 40242), (66, 40404), (70, 40446), (72, 40455), (77, 40512), (95, 40635), (103, 40686), (115, 40785), (116, 40797), (121, 40842), (136, 40956), (138, 40974), (140, 40986), (145, 41034), (154, 41091), (162, 41118), (169, 41154), (186, 41235), (191, 41247), (202, 41298), (214, 41382), (219, 41439), (223, 41457), (228, 41496), (244, 41622), (258, 41697), (259, 41718), (263, 41745), (267, 41790), (274, 41835), (285, 41898), (286, 41901), (293, 41922),

Gene: SoilGremlin_34 Start: 24096, Stop: 22426, Start Num: 14

Candidate Starts for SoilGremlin_34:

(Start: 14 @24096 has 165 MA's), (Start: 20 @24063 has 5 MA's), (Start: 24 @24027 has 7 MA's), (28, 23970), (33, 23940), (34, 23934), (50, 23808), (63, 23700), (64, 23694), (79, 23568), (83, 23538), (129, 23226), (137, 23184), (143, 23133), (156, 23046), (211, 22761), (214, 22722), (220, 22665), (227, 22608), (233, 22563), (237, 22530), (242, 22503), (248, 22470),

Gene: SonOfLevi_33 Start: 23744, Stop: 22107, Start Num: 20

Candidate Starts for SonOfLevi_33:

(Start: 14 @23777 has 165 MA's), (Start: 20 @23744 has 5 MA's), (Start: 24 @23708 has 7 MA's), (28, 23651), (33, 23621), (34, 23615), (50, 23489), (63, 23381), (64, 23375), (79, 23249), (83, 23219), (129, 22907), (137, 22865), (156, 22727), (211, 22442), (214, 22403), (220, 22346), (227, 22289), (233, 22244), (237, 22211), (242, 22184), (248, 22151),

Gene: Sopespian_55 Start: 39861, Stop: 41855, Start Num: 13

Candidate Starts for Sopespian_55:

(Start: 13 @39861 has 26 MA's), (38, 40077), (42, 40116), (44, 40131), (66, 40293), (70, 40335), (72, 40344), (77, 40401), (95, 40524), (103, 40575), (115, 40674), (116, 40686), (121, 40731), (136, 40845), (138, 40863), (140, 40875), (145, 40923), (154, 40980), (155, 40986), (162, 41007), (169, 41043), (186, 41124), (191, 41136), (202, 41187), (214, 41271), (219, 41328), (223, 41346), (228, 41385), (244, 41511), (258, 41586), (259, 41607), (263, 41634), (267, 41679), (274, 41724), (285, 41787), (286, 41790), (293, 41811),

Gene: Stanktossa_34 Start: 24099, Stop: 22429, Start Num: 14

Candidate Starts for Stanktossa_34:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (Start: 24 @24030 has 7 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (156, 23049), (211, 22764), (214, 22725), (220, 22668), (227, 22611), (233, 22566), (237, 22533), (240, 22524), (242, 22506), (248, 22473),

Gene: Starburst_58 Start: 39856, Stop: 41850, Start Num: 13

Candidate Starts for Starburst_58:

(Start: 13 @39856 has 26 MA's), (38, 40072), (42, 40111), (44, 40126), (66, 40288), (70, 40330), (72, 40339), (77, 40396), (95, 40519), (103, 40570), (115, 40669), (116, 40681), (121, 40726), (131, 40804), (136, 40840), (138, 40858), (140, 40870), (145, 40918), (154, 40975), (162, 41002), (169, 41038), (186, 41119), (191, 41131), (202, 41182), (214, 41266), (219, 41323), (223, 41341), (228, 41380), (244, 41506), (258, 41581), (259, 41602), (263, 41629), (267, 41674), (274, 41719), (285, 41782), (286, 41785), (293, 41806),

Gene: SteamedHams_59 Start: 39368, Stop: 41365, Start Num: 13

Candidate Starts for SteamedHams_59:

(Start: 13 @39368 has 26 MA's), (38, 39584), (42, 39623), (66, 39800), (71, 39845), (72, 39851), (91, 39989), (95, 40031), (96, 40040), (107, 40115), (115, 40181), (116, 40193), (121, 40238), (136, 40355), (138, 40373), (140, 40385), (145, 40433), (154, 40490), (162, 40517), (169, 40553), (186, 40634), (191, 40646), (195, 40667), (212, 40757), (216, 40805), (219, 40838), (223, 40856), (225, 40871), (228, 40895), (244, 41021), (252, 41069), (258, 41096), (259, 41117), (263, 41144), (265, 41162), (267, 41189), (274, 41234), (277, 41258), (285, 41297), (286, 41300), (293, 41321), (295, 41339),

Gene: StingRay_33 Start: 23792, Stop: 22122, Start Num: 14

Candidate Starts for StingRay_33:

(Start: 14 @23792 has 165 MA's), (Start: 20 @23759 has 5 MA's), (Start: 24 @23723 has 7 MA's), (28, 23666), (33, 23636), (34, 23630), (50, 23504), (63, 23396), (64, 23390), (79, 23264), (83, 23234), (129, 22922), (137, 22880), (156, 22742), (211, 22457), (214, 22418), (220, 22361), (227, 22304), (233, 22259), (237, 22226), (240, 22217), (242, 22199), (248, 22166),

Gene: StirfryIV_33 Start: 23782, Stop: 22112, Start Num: 14

Candidate Starts for StirfryIV_33:

(Start: 14 @23782 has 165 MA's), (Start: 20 @23749 has 5 MA's), (Start: 24 @23713 has 7 MA's), (28, 23656), (33, 23626), (34, 23620), (50, 23494), (63, 23386), (64, 23380), (79, 23254), (81, 23236), (83, 23224), (129, 22912), (137, 22870), (156, 22732), (211, 22447), (214, 22408), (220, 22351), (227, 22294), (233, 22249), (237, 22216), (240, 22207), (242, 22189), (248, 22156),

Gene: Stormbreaker8_33 Start: 24195, Stop: 22453, Start Num: 14

Candidate Starts for Stormbreaker8_33:

(Start: 14 @24195 has 165 MA's), (22, 24144), (Start: 23 @24132 has 1 MA's), (Start: 24 @24126 has 7 MA's), (43, 23925), (48, 23886), (50, 23880), (58, 23817), (63, 23772), (80, 23625), (82, 23619), (83, 23610), (86, 23598), (129, 23301), (130, 23292), (137, 23259), (143, 23208), (147, 23172), (156, 23121), (181, 22974), (196, 22896), (197, 22866), (199, 22851), (211, 22788), (214, 22749), (220, 22692), (227, 22635), (233, 22590), (237, 22557), (242, 22530), (248, 22497),

Gene: Strathdee_34 Start: 24098, Stop: 22428, Start Num: 14

Candidate Starts for Strathdee_34:

(Start: 14 @24098 has 165 MA's), (Start: 20 @24065 has 5 MA's), (Start: 24 @24029 has 7 MA's), (28, 23972), (33, 23942), (34, 23936), (50, 23810), (63, 23702), (64, 23696), (79, 23570), (83, 23540), (129, 23228), (137, 23186), (211, 22763), (214, 22724), (220, 22667), (227, 22610), (233, 22565), (237, 22532), (240, 22523), (242, 22505), (248, 22472),

Gene: SummitAcademy_61 Start: 41717, Stop: 43798, Start Num: 6

Candidate Starts for SummitAcademy_61:

(4, 41681), (Start: 6 @41717 has 13 MA's), (15, 41756), (22, 41804), (27, 41840), (38, 41957), (56, 42107), (62, 42137), (66, 42173), (67, 42179), (77, 42281), (85, 42341), (88, 42356), (94, 42401), (96, 42413), (102, 42449), (104, 42467), (109, 42512), (114, 42551), (121, 42611), (123, 42632), (140, 42785), (145, 42833), (162, 42917), (169, 42953), (181, 43025), (186, 43052), (219, 43256), (220, 43259), (222, 43265), (223, 43274), (225, 43289), (228, 43313), (234, 43361), (238, 43391), (239, 43397), (250, 43478), (263, 43577), (267, 43625), (274, 43670), (276, 43691), (285, 43733), (286, 43736),

Gene: Superfresh_34 Start: 24085, Stop: 22415, Start Num: 14

Candidate Starts for Superfresh_34:

(Start: 14 @24085 has 165 MA's), (Start: 20 @24052 has 5 MA's), (Start: 24 @24016 has 7 MA's), (28, 23959), (33, 23929), (34, 23923), (50, 23797), (63, 23689), (64, 23683), (79, 23557), (83, 23527), (129,

23215), (137, 23173), (143, 23122), (156, 23035), (211, 22750), (214, 22711), (220, 22654), (227, 22597), (233, 22552), (237, 22519), (240, 22510), (242, 22492), (248, 22459),

Gene: Survivors_53 Start: 38882, Stop: 40897, Start Num: 12

Candidate Starts for Survivors_53:

(5, 38849), (Start: 12 @38882 has 10 MA's), (15, 38906), (26, 38981), (38, 39101), (39, 39104), (47, 39176), (48, 39191), (56, 39251), (70, 39359), (72, 39368), (77, 39425), (83, 39479), (85, 39485), (89, 39503), (91, 39506), (94, 39545), (96, 39557), (102, 39593), (103, 39599), (107, 39632), (113, 39689), (116, 39710), (118, 39743), (121, 39755), (127, 39803), (130, 39818), (133, 39851), (140, 39899), (145, 39947), (166, 40061), (177, 40130), (186, 40163), (205, 40247), (206, 40250), (208, 40256), (212, 40286), (223, 40385), (228, 40424), (233, 40466), (234, 40472), (244, 40550), (247, 40562), (252, 40598), (261, 40652), (263, 40664), (273, 40742), (274, 40766), (278, 40799), (279, 40802), (280, 40808), (281, 40811), (286, 40835), (292, 40853), (295, 40874),

Gene: SweatNTears_60 Start: 40103, Stop: 42097, Start Num: 13

Candidate Starts for SweatNTears_60:

(Start: 13 @40103 has 26 MA's), (38, 40319), (42, 40358), (44, 40373), (66, 40535), (70, 40577), (72, 40586), (77, 40643), (95, 40766), (103, 40817), (115, 40916), (116, 40928), (121, 40973), (136, 41087), (138, 41105), (140, 41117), (145, 41165), (154, 41222), (162, 41249), (169, 41285), (186, 41366), (191, 41378), (202, 41429), (214, 41513), (219, 41570), (223, 41588), (228, 41627), (244, 41753), (252, 41801), (258, 41828), (263, 41876), (265, 41894), (266, 41915), (267, 41921), (274, 41966), (282, 42014), (285, 42029), (286, 42032), (293, 42053),

Gene: Symere_34 Start: 23703, Stop: 22102, Start Num: 24

Candidate Starts for Symere_34:

(Start: 14 @23772 has 165 MA's), (Start: 20 @23739 has 5 MA's), (Start: 24 @23703 has 7 MA's), (28, 23646), (33, 23616), (34, 23610), (50, 23484), (63, 23376), (64, 23370), (79, 23244), (83, 23214), (129, 22902), (137, 22860), (156, 22722), (211, 22437), (214, 22398), (220, 22341), (227, 22284), (233, 22239), (237, 22206), (240, 22197), (242, 22179), (248, 22146),

Gene: TatarkaPM_34 Start: 24099, Stop: 22429, Start Num: 14

Candidate Starts for TatarkaPM_34:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (Start: 24 @24030 has 7 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (156, 23049), (211, 22764), (214, 22725), (220, 22668), (227, 22611), (233, 22566), (237, 22533), (240, 22524), (242, 22506), (248, 22473),

Gene: Teagan_34 Start: 24093, Stop: 22423, Start Num: 14

Candidate Starts for Teagan_34:

(Start: 14 @24093 has 165 MA's), (Start: 20 @24060 has 5 MA's), (Start: 24 @24024 has 7 MA's), (28, 23967), (33, 23937), (34, 23931), (50, 23805), (63, 23697), (64, 23691), (79, 23565), (83, 23535), (129, 23223), (137, 23181), (211, 22758), (214, 22719), (220, 22662), (227, 22605), (233, 22560), (237, 22527), (240, 22518), (242, 22500), (248, 22467),

Gene: TeddyBear_33 Start: 23795, Stop: 22125, Start Num: 14

Candidate Starts for TeddyBear_33:

(Start: 14 @23795 has 165 MA's), (Start: 20 @23762 has 5 MA's), (Start: 24 @23726 has 7 MA's), (28, 23669), (33, 23639), (34, 23633), (50, 23507), (63, 23399), (64, 23393), (79, 23267), (83, 23237), (129, 22925), (137, 22883), (143, 22832), (211, 22460), (214, 22421), (220, 22364), (227, 22307), (233, 22262), (237, 22229), (240, 22220), (242, 22202), (248, 22169),

Gene: Tenda_33 Start: 23793, Stop: 22123, Start Num: 14

Candidate Starts for Tenda_33:

(Start: 14 @23793 has 165 MA's), (Start: 20 @23760 has 5 MA's), (Start: 24 @23724 has 7 MA's), (28, 23667), (33, 23637), (34, 23631), (50, 23505), (63, 23397), (64, 23391), (79, 23265), (83, 23235), (129, 22923), (137, 22881), (143, 22830), (211, 22458), (214, 22419), (220, 22362), (227, 22305), (233, 22260), (237, 22227), (240, 22218), (242, 22200), (248, 22167),

Gene: Thompsone_34 Start: 24028, Stop: 22427, Start Num: 24

Candidate Starts for Thompsone_34:

(Start: 14 @24097 has 165 MA's), (Start: 20 @24064 has 5 MA's), (Start: 24 @24028 has 7 MA's), (28, 23971), (33, 23941), (34, 23935), (50, 23809), (63, 23701), (64, 23695), (79, 23569), (83, 23539), (129, 23227), (137, 23185), (211, 22762), (214, 22723), (220, 22666), (227, 22609), (233, 22564), (237, 22531), (240, 22522), (242, 22504), (248, 22471),

Gene: Thorongil_34 Start: 24097, Stop: 22427, Start Num: 14

Candidate Starts for Thorongil_34:

(Start: 14 @24097 has 165 MA's), (Start: 20 @24064 has 5 MA's), (Start: 24 @24028 has 7 MA's), (28, 23971), (33, 23941), (34, 23935), (50, 23809), (63, 23701), (64, 23695), (79, 23569), (83, 23539), (129, 23227), (137, 23185), (211, 22762), (214, 22723), (220, 22666), (227, 22609), (233, 22564), (237, 22531), (240, 22522), (242, 22504), (248, 22471),

Gene: TinSulphur_34 Start: 24099, Stop: 22429, Start Num: 14

Candidate Starts for TinSulphur_34:

(Start: 14 @24099 has 165 MA's), (Start: 20 @24066 has 5 MA's), (Start: 24 @24030 has 7 MA's), (28, 23973), (33, 23943), (34, 23937), (50, 23811), (63, 23703), (64, 23697), (79, 23571), (83, 23541), (129, 23229), (137, 23187), (143, 23136), (156, 23049), (211, 22764), (214, 22725), (220, 22668), (227, 22611), (233, 22566), (237, 22533), (240, 22524), (242, 22506), (248, 22473),

Gene: Tinyman4_32 Start: 22418, Stop: 20745, Start Num: 14

Candidate Starts for Tinyman4_32:

(Start: 14 @22418 has 165 MA's), (22, 22367), (Start: 24 @22349 has 7 MA's), (45, 22154), (58, 22055), (63, 22010), (64, 22004), (68, 21968), (69, 21962), (80, 21863), (83, 21848), (129, 21533), (144, 21425), (161, 21335), (172, 21275), (206, 21095), (211, 21074), (214, 21035), (220, 20978), (231, 20900), (233, 20876), (241, 20828),

Gene: Tolls_59 Start: 39639, Stop: 41636, Start Num: 13

Candidate Starts for Tolls_59:

(Start: 13 @39639 has 26 MA's), (38, 39855), (42, 39894), (66, 40071), (71, 40116), (72, 40122), (91, 40260), (95, 40302), (96, 40311), (107, 40386), (115, 40452), (116, 40464), (121, 40509), (136, 40626), (138, 40644), (140, 40656), (145, 40704), (154, 40761), (162, 40788), (169, 40824), (186, 40905), (191, 40917), (195, 40938), (212, 41028), (216, 41076), (219, 41109), (223, 41127), (225, 41142), (228, 41166), (244, 41292), (252, 41340), (258, 41367), (259, 41388), (263, 41415), (265, 41433), (267, 41460), (274, 41505), (277, 41529), (285, 41568), (286, 41571), (293, 41592), (295, 41610),

Gene: Triscuit_94 Start: 56061, Stop: 58145, Start Num: 9

Candidate Starts for Triscuit_94:

(Start: 9 @56061 has 2 MA's), (37, 56274), (42, 56328), (61, 56472), (65, 56505), (96, 56766), (98, 56772), (101, 56799), (113, 56898), (116, 56919), (118, 56952), (148, 57201), (158, 57252), (173, 57330), (188, 57432), (202, 57510), (210, 57552), (211, 57555), (214, 57594), (219, 57651), (223, 57669), (228, 57705), (230, 57717), (238, 57777), (245, 57825), (272, 57999), (278, 58059), (284, 58086), (290, 58101),

Gene: Troje_60 Start: 40095, Stop: 42092, Start Num: 13

Candidate Starts for Troje_60:

(Start: 13 @40095 has 26 MA's), (38, 40311), (42, 40350), (72, 40578), (91, 40716), (92, 40728), (95, 40758), (100, 40791), (113, 40899), (115, 40908), (116, 40920), (121, 40965), (140, 41112), (145, 41160), (150, 41190), (152, 41199), (169, 41280), (186, 41361), (195, 41394), (212, 41484), (219, 41565), (223, 41583), (228, 41622), (244, 41748), (252, 41796), (258, 41823), (263, 41871), (265, 41889), (266, 41910), (267, 41916), (274, 41961), (285, 42024), (286, 42027), (293, 42048),

Gene: TwoBits_30 Start: 22284, Stop: 20680, Start Num: 24

Candidate Starts for TwoBits_30:

(Start: 14 @22353 has 165 MA's), (Start: 20 @22320 has 5 MA's), (Start: 23 @22290 has 1 MA's), (Start: 24 @22284 has 7 MA's), (48, 22062), (52, 22050), (54, 22035), (59, 21981), (64, 21942), (72, 21882), (79, 21816), (80, 21801), (83, 21786), (85, 21777), (129, 21468), (132, 21441), (138, 21417), (142, 21381), (143, 21375), (144, 21360), (183, 21129), (185, 21123), (211, 21006), (214, 20967), (219, 20913), (233, 20808), (240, 20766), (241, 20760),

Gene: Typhonomachy_58 Start: 39685, Stop: 41679, Start Num: 13

Candidate Starts for Typhonomachy_58:

(Start: 13 @39685 has 26 MA's), (38, 39901), (42, 39940), (44, 39955), (66, 40117), (70, 40159), (72, 40168), (77, 40225), (95, 40348), (103, 40399), (115, 40498), (116, 40510), (121, 40555), (136, 40669), (138, 40687), (140, 40699), (145, 40747), (154, 40804), (162, 40831), (169, 40867), (186, 40948), (191, 40960), (202, 41011), (214, 41095), (219, 41152), (223, 41170), (228, 41209), (244, 41335), (258, 41410), (259, 41431), (263, 41458), (267, 41503), (274, 41548), (285, 41611), (286, 41614), (293, 41635),

Gene: Velene_34 Start: 24098, Stop: 22428, Start Num: 14

Candidate Starts for Velene_34:

(Start: 14 @24098 has 165 MA's), (Start: 20 @24065 has 5 MA's), (Start: 24 @24029 has 7 MA's), (28, 23972), (33, 23942), (34, 23936), (50, 23810), (63, 23702), (64, 23696), (79, 23570), (83, 23540), (129, 23228), (137, 23186), (211, 22763), (214, 22724), (220, 22667), (227, 22610), (229, 22604), (233, 22565), (237, 22532), (240, 22523), (242, 22505), (248, 22472),

Gene: Vine_64 Start: 42340, Stop: 44421, Start Num: 6

Candidate Starts for Vine_64:

(4, 42304), (Start: 6 @42340 has 13 MA's), (15, 42379), (22, 42427), (27, 42463), (38, 42580), (56, 42730), (62, 42760), (66, 42796), (67, 42802), (77, 42904), (85, 42964), (88, 42979), (94, 43024), (96, 43036), (102, 43072), (104, 43090), (109, 43135), (114, 43174), (121, 43234), (123, 43255), (138, 43396), (140, 43408), (145, 43456), (162, 43540), (169, 43576), (181, 43648), (186, 43675), (219, 43879), (220, 43882), (222, 43888), (223, 43897), (225, 43912), (228, 43936), (234, 43984), (238, 44014), (239, 44020), (250, 44101), (263, 44200), (267, 44248), (274, 44293), (276, 44314), (285, 44356), (286, 44359),

Gene: Vispitious_34 Start: 24097, Stop: 22427, Start Num: 14

Candidate Starts for Vispitious_34:

(Start: 14 @24097 has 165 MA's), (Start: 20 @24064 has 5 MA's), (Start: 24 @24028 has 7 MA's), (28, 23971), (33, 23941), (34, 23935), (50, 23809), (63, 23701), (64, 23695), (79, 23569), (83, 23539), (129, 23227), (137, 23185), (211, 22762), (214, 22723), (220, 22666), (227, 22609), (233, 22564), (237, 22531), (240, 22522), (242, 22504), (248, 22471),

Gene: Wardwill_33 Start: 22124, Stop: 20457, Start Num: 14

Candidate Starts for Wardwill_33:

(Start: 14 @22124 has 165 MA's), (Start: 20 @22091 has 5 MA's), (Start: 24 @22055 has 7 MA's), (28, 21998), (48, 21842), (52, 21830), (54, 21815), (59, 21761), (64, 21722), (69, 21680), (72, 21662), (79, 21596), (80, 21581), (83, 21566), (85, 21557), (129, 21248), (132, 21221), (138, 21197), (142, 21161), (143, 21155), (165, 21035), (185, 20903), (211, 20786), (214, 20747), (219, 20693), (233, 20588),

(240, 20546), (241, 20540),

Gene: WestPM_30 Start: 22275, Stop: 20602, Start Num: 14

Candidate Starts for WestPM_30:

(Start: 14 @22275 has 165 MA's), (22, 22224), (Start: 24 @22206 has 7 MA's), (45, 22011), (58, 21912), (63, 21867), (64, 21861), (68, 21825), (69, 21819), (80, 21720), (83, 21705), (129, 21390), (144, 21282), (172, 21132), (182, 21069), (211, 20931), (214, 20892), (215, 20883), (220, 20835), (231, 20757), (233, 20733), (241, 20685),

Gene: WildNOut_34 Start: 24097, Stop: 22427, Start Num: 14

Candidate Starts for WildNOut_34:

(Start: 14 @24097 has 165 MA's), (Start: 20 @24064 has 5 MA's), (Start: 24 @24028 has 7 MA's), (28, 23971), (33, 23941), (34, 23935), (50, 23809), (63, 23701), (64, 23695), (79, 23569), (83, 23539), (129, 23227), (137, 23185), (211, 22762), (214, 22723), (220, 22666), (227, 22609), (233, 22564), (237, 22531), (240, 22522), (242, 22504), (248, 22471),

Gene: WilliamStrong_32 Start: 23496, Stop: 21829, Start Num: 14

Candidate Starts for WilliamStrong_32:

(Start: 14 @23496 has 165 MA's), (Start: 20 @23463 has 5 MA's), (22, 23445), (Start: 23 @23433 has 1 MA's), (Start: 24 @23427 has 7 MA's), (36, 23325), (45, 23244), (54, 23187), (55, 23163), (64, 23094), (69, 23052), (72, 23034), (83, 22938), (124, 22653), (129, 22620), (137, 22578), (138, 22569), (143, 22527), (148, 22485), (180, 22308), (185, 22272), (209, 22161), (211, 22155), (213, 22134), (214, 22116), (220, 22059), (233, 21957), (242, 21897), (244, 21885), (248, 21864),

Gene: Winzigespinne_33 Start: 23781, Stop: 22111, Start Num: 14

Candidate Starts for Winzigespinne_33:

(Start: 14 @23781 has 165 MA's), (Start: 20 @23748 has 5 MA's), (Start: 24 @23712 has 7 MA's), (28, 23655), (33, 23625), (34, 23619), (50, 23493), (63, 23385), (64, 23379), (79, 23253), (81, 23235), (83, 23223), (129, 22911), (137, 22869), (156, 22731), (211, 22446), (214, 22407), (220, 22350), (227, 22293), (233, 22248), (237, 22215), (240, 22206), (242, 22188), (248, 22155),

Gene: Yakult_59 Start: 40677, Stop: 42719, Start Num: 8

Candidate Starts for Yakult_59:

(Start: 8 @40677 has 3 MA's), (17, 40719), (Start: 21 @40755 has 1 MA's), (38, 40908), (39, 40911), (42, 40947), (46, 40974), (48, 40998), (56, 41058), (59, 41076), (75, 41226), (83, 41286), (96, 41364), (100, 41388), (102, 41400), (103, 41406), (115, 41505), (116, 41517), (118, 41550), (133, 41667), (136, 41685), (139, 41706), (140, 41715), (146, 41775), (160, 41841), (162, 41847), (169, 41883), (178, 41946), (181, 41955), (186, 41982), (201, 42042), (202, 42045), (205, 42066), (214, 42129), (219, 42186), (222, 42195), (223, 42204), (228, 42243), (234, 42291), (238, 42321), (252, 42417), (258, 42453), (261, 42489), (263, 42501), (265, 42519), (269, 42552), (281, 42627), (285, 42648), (293, 42672),

Gene: Yarn_55 Start: 39396, Stop: 41393, Start Num: 13

Candidate Starts for Yarn_55:

(Start: 13 @39396 has 26 MA's), (38, 39612), (42, 39651), (66, 39828), (71, 39873), (72, 39879), (91, 40017), (95, 40059), (96, 40068), (107, 40143), (115, 40209), (116, 40221), (121, 40266), (136, 40383), (138, 40401), (140, 40413), (145, 40461), (154, 40518), (162, 40545), (169, 40581), (186, 40662), (191, 40674), (195, 40695), (212, 40785), (216, 40833), (219, 40866), (223, 40884), (225, 40899), (228, 40923), (244, 41049), (252, 41097), (258, 41124), (259, 41145), (263, 41172), (265, 41190), (267, 41217), (274, 41262), (277, 41286), (285, 41325), (286, 41328), (293, 41349), (295, 41367),

Gene: Yucky_65 Start: 42132, Stop: 44213, Start Num: 6

Candidate Starts for Yucky_65:

(4, 42096), (Start: 6 @42132 has 13 MA's), (15, 42171), (22, 42219), (27, 42255), (38, 42372), (56, 42522), (62, 42552), (66, 42588), (67, 42594), (77, 42696), (85, 42756), (88, 42771), (94, 42816), (96, 42828), (102, 42864), (104, 42882), (109, 42927), (114, 42966), (121, 43026), (123, 43047), (138, 43188), (140, 43200), (145, 43248), (162, 43332), (169, 43368), (181, 43440), (186, 43467), (219, 43671), (220, 43674), (222, 43680), (223, 43689), (225, 43704), (228, 43728), (234, 43776), (238, 43806), (239, 43812), (250, 43893), (263, 43992), (267, 44040), (274, 44085), (276, 44106), (285, 44148), (286, 44151),

Gene: Yummy_60 Start: 39804, Stop: 41801, Start Num: 13

Candidate Starts for Yummy_60:

(Start: 13 @39804 has 26 MA's), (38, 40020), (42, 40059), (72, 40287), (91, 40425), (92, 40437), (95, 40467), (100, 40500), (113, 40608), (115, 40617), (116, 40629), (121, 40674), (140, 40821), (145, 40869), (150, 40899), (152, 40908), (169, 40989), (186, 41070), (212, 41193), (219, 41274), (222, 41283), (223, 41292), (228, 41331), (244, 41457), (252, 41505), (258, 41532), (263, 41580), (265, 41598), (266, 41619), (267, 41625), (274, 41670), (285, 41733), (286, 41736), (293, 41757),

Gene: YuuY_32 Start: 24116, Stop: 22437, Start Num: 14

Candidate Starts for YuuY_32:

(Start: 14 @24116 has 165 MA's), (Start: 20 @24083 has 5 MA's), (22, 24065), (Start: 23 @24053 has 1 MA's), (Start: 24 @24047 has 7 MA's), (28, 23990), (36, 23945), (45, 23846), (54, 23789), (60, 23729), (64, 23696), (72, 23636), (74, 23624), (76, 23591), (80, 23555), (83, 23540), (106, 23399), (130, 23219), (137, 23186), (138, 23177), (143, 23135), (144, 23120), (156, 23048), (161, 23030), (185, 22880), (193, 22853), (206, 22784), (211, 22763), (213, 22742), (214, 22724), (220, 22667), (226, 22619), (233, 22565), (240, 22523), (241, 22517), (244, 22493), (248, 22472), (249, 22463), (252, 22448), (253, 22445),

Gene: Zada_34 Start: 24078, Stop: 22408, Start Num: 14

Candidate Starts for Zada_34:

(Start: 14 @24078 has 165 MA's), (Start: 20 @24045 has 5 MA's), (Start: 24 @24009 has 7 MA's), (28, 23952), (33, 23922), (34, 23916), (50, 23790), (63, 23682), (64, 23676), (72, 23616), (79, 23550), (83, 23520), (129, 23208), (137, 23166), (143, 23115), (156, 23028), (211, 22743), (214, 22704), (220, 22647), (227, 22590), (233, 22545), (237, 22512), (240, 22503), (242, 22485), (248, 22452),

Gene: Zareef_55 Start: 38979, Stop: 40994, Start Num: 12

Candidate Starts for Zareef_55:

(5, 38946), (Start: 12 @38979 has 10 MA's), (15, 39003), (26, 39078), (38, 39198), (47, 39273), (48, 39288), (70, 39456), (72, 39465), (77, 39522), (83, 39576), (85, 39582), (89, 39600), (91, 39603), (94, 39642), (96, 39654), (102, 39690), (103, 39696), (107, 39729), (113, 39786), (116, 39807), (118, 39840), (121, 39852), (127, 39900), (130, 39915), (133, 39948), (140, 39996), (145, 40044), (166, 40158), (177, 40227), (186, 40260), (205, 40344), (206, 40347), (208, 40353), (212, 40383), (223, 40482), (228, 40521), (233, 40563), (234, 40569), (244, 40647), (247, 40659), (252, 40695), (261, 40749), (263, 40761), (273, 40839), (274, 40863), (278, 40896), (279, 40899), (280, 40905), (281, 40908), (286, 40932), (292, 40950), (295, 40971),

Gene: Zayuliv_31 Start: 22552, Stop: 20885, Start Num: 14

Candidate Starts for Zayuliv_31:

(Start: 14 @22552 has 165 MA's), (Start: 20 @22519 has 5 MA's), (Start: 24 @22483 has 7 MA's), (28, 22426), (48, 22270), (52, 22258), (54, 22243), (59, 22189), (64, 22150), (69, 22108), (72, 22090), (79, 22024), (80, 22009), (83, 21994), (85, 21985), (129, 21676), (132, 21649), (138, 21625), (142, 21589), (143, 21583), (165, 21463), (185, 21331), (211, 21214), (214, 21175), (219, 21121), (233, 21016), (240, 20974), (241, 20968),

Gene: Zenitsu_32 Start: 23739, Stop: 22057, Start Num: 14

Candidate Starts for Zenitsu_32:

(Start: 14 @23739 has 165 MA's), (Start: 18 @23715 has 1 MA's), (Start: 20 @23706 has 5 MA's), (22, 23688), (Start: 23 @23676 has 1 MA's), (Start: 24 @23670 has 7 MA's), (32, 23589), (43, 23478), (45, 23469), (54, 23412), (64, 23319), (68, 23283), (72, 23259), (79, 23193), (81, 23175), (83, 23163), (96, 23085), (104, 23034), (134, 22818), (137, 22806), (139, 22794), (143, 22755), (144, 22740), (148, 22713), (159, 22656), (161, 22650), (185, 22509), (211, 22392), (213, 22371), (214, 22353), (220, 22296), (232, 22197), (234, 22188), (242, 22134),

Gene: Zepp_32 Start: 22020, Stop: 20353, Start Num: 14

Candidate Starts for Zepp_32:

(Start: 14 @22020 has 165 MA's), (Start: 20 @21987 has 5 MA's), (Start: 24 @21951 has 7 MA's), (28, 21894), (48, 21738), (52, 21726), (54, 21711), (59, 21657), (64, 21618), (69, 21576), (72, 21558), (79, 21492), (80, 21477), (83, 21462), (85, 21453), (129, 21144), (132, 21117), (138, 21093), (142, 21057), (143, 21051), (165, 20931), (170, 20898), (172, 20886), (183, 20805), (185, 20799), (211, 20682), (214, 20643), (219, 20589), (233, 20484), (240, 20442), (241, 20436),