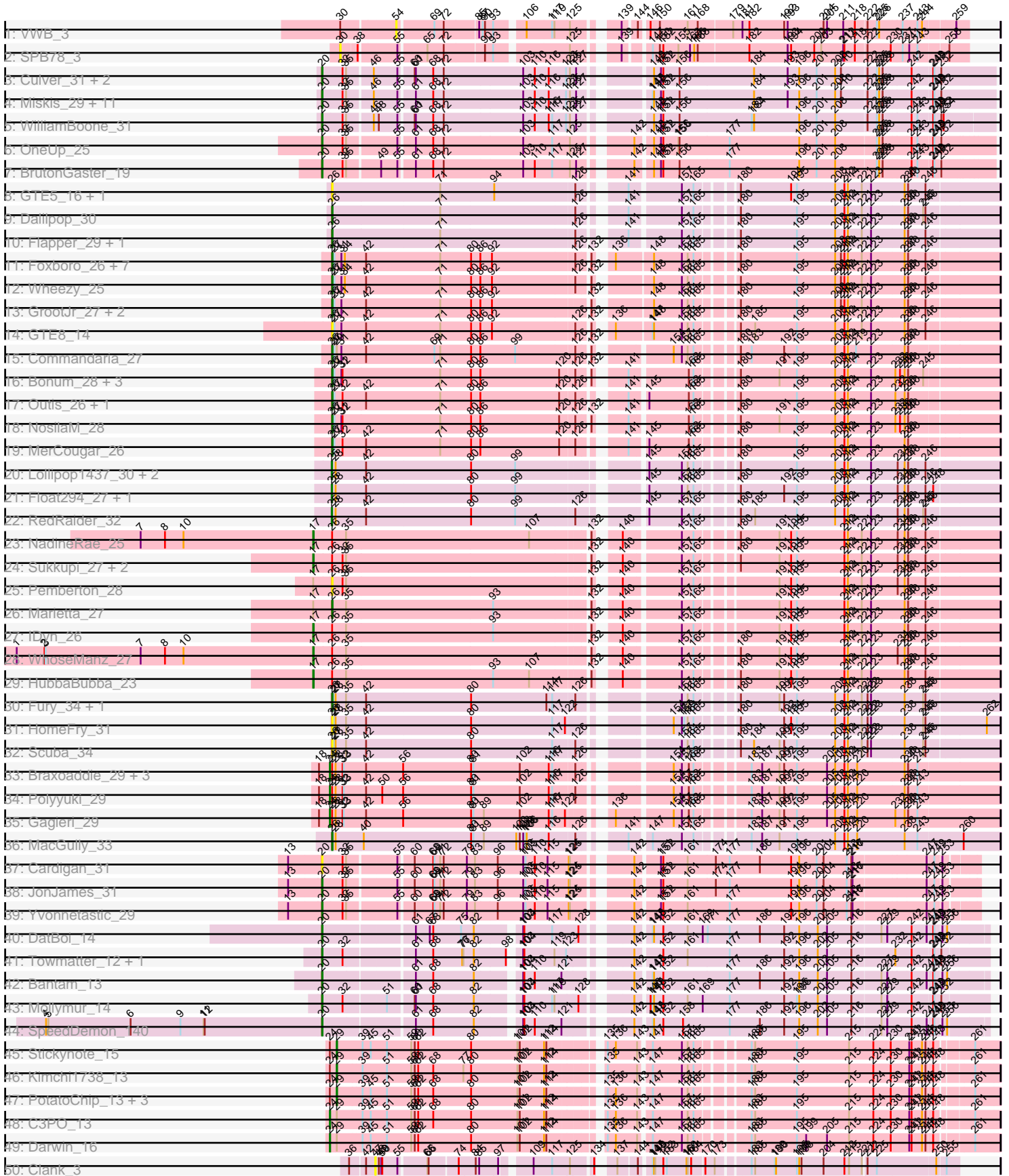
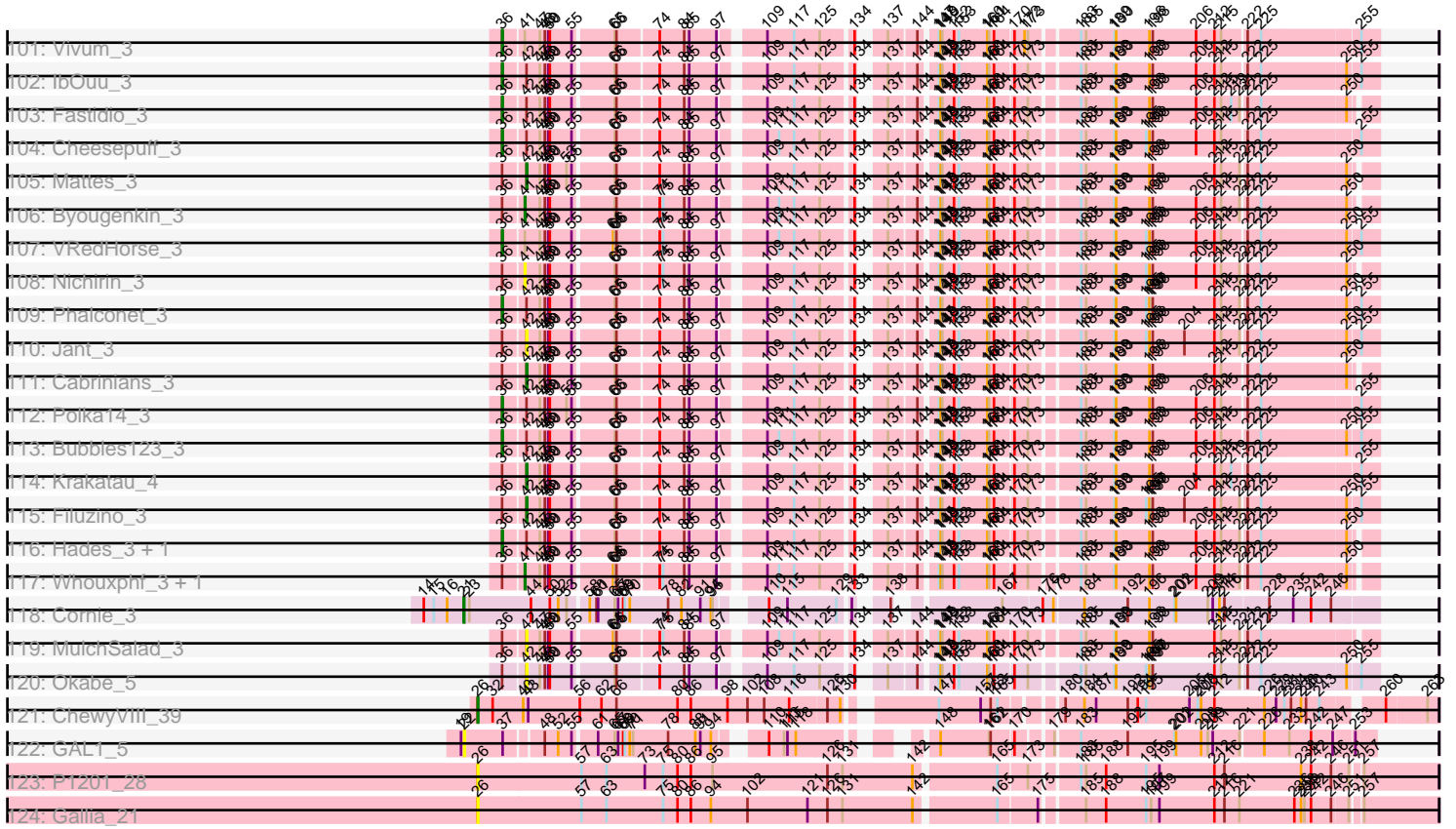


Pham 296183



Pham 296183



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 296183 Report

This analysis was run 04/25/26 on database version 644.

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

Pham number 296183 has 284 members, 31 are drafts.

Phages represented in each track:

- Track 1 : VWB_3
- Track 2 : SPB78_3
- Track 3 : Culver_31, Dusty_30, Abscondus_30
- Track 4 : Miskis_29, Geeche_30, Smoothie_32, Lozinak_31, Norvs_32, Cucurbita_33, Engineer_32, Toniann_31, Aphelion_31, Bachita_33, PhinkBoden_31, ClubL_31
- Track 5 : WilliamBoone_31
- Track 6 : OneUp_25
- Track 7 : BrutonGaster_19
- Track 8 : GTE5_16, GRU1_15
- Track 9 : Dalilpop_30
- Track 10 : Flapper_29, Turuncu_29
- Track 11 : Foxboro_26, Tracker_25, NatB6_25, Kurt_25, KidneyBean_25, Phomeo_24, Jifall16_24, Emianna_25
- Track 12 : Wheezy_25
- Track 13 : GrootJr_27, Arti_25, NovumRegina_25
- Track 14 : GTE8_14
- Track 15 : Commandaria_27
- Track 16 : Bonum_28, Kabluna_28, SuperSulley_26, Buggaboo_26
- Track 17 : Outis_26, StarStruck_26
- Track 18 : NosilaM_28
- Track 19 : MerCougar_26
- Track 20 : Lollipop1437_30, Ennea_31, Patio_28
- Track 21 : Float294_27, Skysand_27
- Track 22 : RedRaider_32
- Track 23 : NadineRae_25
- Track 24 : Sukkupi_27, Yndexa_27, BiPauneto_28
- Track 25 : Pemberton_28
- Track 26 : Marietta_27
- Track 27 : IDyn_26
- Track 28 : WhoseManz_27
- Track 29 : HubbaBubba_23
- Track 30 : Fury_34, Pleakley_34

- Track 31 : HomeFry_31
- Track 32 : Scuba_34
- Track 33 : Braxoaddie_29, CoffeeBean_29, Maselop_29, Apiary_29
- Track 34 : Polyuyuki_29
- Track 35 : Gagieri_29
- Track 36 : MacGully_33
- Track 37 : Cardigan_31
- Track 38 : JonJames_31
- Track 39 : Yvonnetastic_29
- Track 40 : DatBoi_14
- Track 41 : Towmatter_12, Daredevil_13
- Track 42 : Bantam_13
- Track 43 : Mollymur_14
- Track 44 : SpeedDemon_140
- Track 45 : Stickynote_15
- Track 46 : Kimchi1738_13
- Track 47 : PotatoChip_13, Cruella_13, Zion_13, PeteyPab_13
- Track 48 : C3PO_13
- Track 49 : Darwin_16
- Track 50 : Clank_3
- Track 51 : LilMoolah_3, KingMidas_3, SwagPiggett_3, Nimbo_3, Daenerys_3, Scottish_3, OlympiaSaint_3, Eradicator_3, ByChance_3, Inventum_3, PHappiness_3, RedBird_3, FreddyB_3, Crumble_3, Nivrat_3, Dorothy_3, JoeyJr_3, Llij_3, Radiance_3, Geralt_3, Blexus_3, Burwell21_3, OldBen_3, RitaG_3, Spoonbill_3, MisterCuddles_3, BlueCrab_3, Zerg_3, Doomphist_3, PMC_3, Topiatin_5, Pacc40_3, Rockne_3, ShowerHandel_3, ShiLan_3, Ruby_3, Yorick_3, Poenanya_3, Jarcob_3, Sassafras_3, Martik_3, Priscilla_3, Deb65_3, Lizziana_3, Girr_3
- Track 52 : WillSterrel_3, Koella_3, Spartacus_3, IrishSherpFalk_3
- Track 53 : KingJulian_3
- Track 54 : Tweety_3, Dante_3, DillTech15_3, Donkeykong_3
- Track 55 : PopTart_3, DeadP_3, Akhila_4, Bipolar_3, Rita_3, Taj_3, Mutaforma13_3, MilanaBonita_4, SassyB_3
- Track 56 : Violac_3
- Track 57 : DotProduct_3, Hamulus_3, Phasih_3, KristaRAM_4, Emma_3, Sparkdehlily_3, StAnnes_3, EleanorGeorge_3, TDanisky_3, DLane_3, MinionDave_4, Guppsters_3, Aubs_3, SG4_3, DRBy19_3, Chuckly_3, Batiatus_3, Ovechkin_3, Whatsapiecost_3, CaptainTrips_4
- Track 58 : Leperchaun_3
- Track 59 : Kersh_3
- Track 60 : Ochi17_3, Seabastian_3, Llama_3, AlpineSix_3, OfUltron_3, Jinglebell_3, Modragons_3
- Track 61 : Kenuha5_3
- Track 62 : QuickMath_3, Firehouse51_3, PhesterPhotato_3, XFactor_3, Ms6_3, Melissauren88_3, Ardmore_3, Wee_3, Phanphagia_3, Shauna1_3, Fruitloop_3, Royals2015_3
- Track 63 : Corium_3, PatoPoderoso_3
- Track 64 : EmiMonkey_3, MadMen_3, PhlipPhlop_3
- Track 65 : Chevrolet_3, ArcusAngelus_3
- Track 66 : Sandalphon_3
- Track 67 : Medindi_3
- Track 68 : BodEinwohner17_3, DaddyRickover_3, Philus_3
- Track 69 : LunaBlu_3, Galactic_3, Strokeseat_3, Hlubikazi_3, Latretium_3, Mandlovu_3, NewHope4_3, Mahavrat_3

- Track 70 : Estave1_3, Che8_3
- Track 71 : Eish_3
- Track 72 : BobaPhett_3, James_3
- Track 73 : Zizzle_3
- Track 74 : Gandalph_3
- Track 75 : Karhdo_3
- Track 76 : Phatniss_3, SiSi_3
- Track 77 : Brocalys_3, Gorge_3, Saal_3
- Track 78 : SuperGrey_3
- Track 79 : Ibhubesi_3, Harley_3
- Track 80 : Minnie_3
- Track 81 : Juniper1_3
- Track 82 : LastJedi_3
- Track 83 : IMpilo_3
- Track 84 : Fancypants_3
- Track 85 : Mwanjiwa_3
- Track 86 : Mantra_3
- Track 87 : Empress_3
- Track 88 : Clifton_3, NormanBulbieJr_3, Pippy_3
- Track 89 : Florinda_3
- Track 90 : MilleniumForce_4
- Track 91 : GigiOuiOui_3, Moonbeam_3
- Track 92 : Grimmer_4
- Track 93 : Jennelsea_3
- Track 94 : ShroomBoi_3
- Track 95 : Wachhund_3
- Track 96 : DoRead_3
- Track 97 : GUmbie_3, Veteran_3
- Track 98 : Doug_3
- Track 99 : Sabbb_3
- Track 100 : Maravista_3
- Track 101 : Vivum_3
- Track 102 : IbOuu_3
- Track 103 : Fastidio_3
- Track 104 : Cheesepuff_3
- Track 105 : Mattes_3
- Track 106 : Byougenkin_3
- Track 107 : VRedHorse_3
- Track 108 : Nichirin_3
- Track 109 : Phalconet_3
- Track 110 : Jant_3
- Track 111 : Cabrinians_3
- Track 112 : Polka14_3
- Track 113 : Bubbles123_3
- Track 114 : Krakatau_4
- Track 115 : Filuzino_3
- Track 116 : Hades_3, Nitzel_4
- Track 117 : Whouxphf_3, SeaLumen_3
- Track 118 : Cornie_3
- Track 119 : MulchSalad_3
- Track 120 : Okabe_5
- Track 121 : ChewyVIII_39
- Track 122 : GAL1_5

- Track 123 : P1201_28
- Track 124 : Gallia_21

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

The start number called the most often in the published annotations is 36, it was called in 159 of the 253 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akhila_4, AlpineSix_3, ArcusAngelus_3, Ardmore_3, Aubs_3, Batiatus_3, Bipolar_3, Blexus_3, BlueCrab_3, BobaPhett_3, Brocalys_3, Bubbles123_3, Burwell21_3, ByChance_3, CaptainTrips_4, Che8_3, CheesePuff_3, Chevrolet_3, Chuckly_3, Clifton_3, Crumble_3, DLane_3, DRBy19_3, Daenerys_3, Dante_3, DeadP_3, Deb65_3, DillTech15_3, DoRead_3, Donkeykong_3, Doomphist_3, Dorothy_3, DotProduct_3, Doug_3, Eish_3, EleanorGeorge_3, EmiMonkey_3, Emma_3, Empress_3, Eradicator_3, Estave1_3, Fancypants_3, Fastidio_3, Firehouse51_3, Florinda_3, FreddyB_3, Fruitloop_3, GUmble_3, Galactic_3, Geralt_3, GigiOuiOui_3, Girr_3, Gorge_3, Guppsters_3, Hades_3, Hamulus_3, Harley_3, Hlubikazi_3, IbOuu_3, Ibhubes_3, Inventum_3, IrishSherpFalk_3, James_3, Jarcob_3, Jinglebell_3, JoeyJr_3, Karhdo_3, Kenuha5_3, Kersh_3, KingJulian_3, KingMidas_3, Koella_3, KristaRAM_4, LastJedi_3, Latretium_3, Leperchaun_3, LilMoolah_3, Lizziana_3, Llama_3, Llij_3, LunaBlu_3, MadMen_3, Mahavrat_3, Mandlovu_3, Maravista_3, Martik_3, Melissauren88_3, MilanaBonita_4, MilleniumForce_4, MinionDave_4, MisterCuddles_3, Modragons_3, Moonbeam_3, Ms6_3, Mutaforma13_3, NewHope4_3, Nimbo_3, Nitzel_4, Nivrat_3, NormanBulbieJr_3, Ochi17_3, OfUltron_3, OldBen_3, OlympiaSaint_3, Ovechkin_3, PHappiness_3, PMC_3, Pacc40_3, Phalconet_3, Phanphagia_3, Phasih_3, Phatniss_3, PhesterPotato_3, PhilipPhlop_3, Pippy_3, Poenanya_3, Polka14_3, PopTart_3, Priscilla_3, QuickMath_3, Radiance_3, RedBird_3, RitaG_3, Rita_3, Rockne_3, Royals2015_3, Ruby_3, SG4_3, Saal_3, Sabbb_3, Sandalphon_3, Sassafras_3, SassyB_3, Scottish_3, Sebastian_3, Shauna1_3, ShiLan_3, ShowerHandel_3, ShroomBoi_3, SiSi_3, Sparkdehlily_3, Spartacus_3, Spoonbill_3, StAnnes_3, StrokeSeat_3, SuperGrey_3, SwagPigglett_3, TDanisky_3, Taj_3, Topiatin_5, Tweety_3, VRedHorse_3, Veteran_3, Violac_3, Vivum_3, Wachhund_3, Wee_3, Whatsapicost_3, WillSterrel_3, XFactor_3, Yorick_3, Zerg_3, Zizzle_3,

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

- BodEinwohner17_3, Byougenkin_3, Cabrinians_3, Clank_3, Corium_3, DaddyRickover_3, Filuzino_3, Gandalph_3, Grimmer_4, IMpilo_3, Jant_3, Jennelsea_3, Juniper1_3, Krakatau_4, Mantra_3, Mattes_3, Medindi_3, Minnie_3, MulchSalad_3, Mwanjiwa_3, Nichirin_3, Okabe_5, PatoPoderoso_3, Philus_3, SeaLumen_3, Whouxphf_3,

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

- Abscondus_30, Aphelion_31, Apiary_29, Arti_25, Bachita_33, Bantam_13, BiPauneto_28, Bonum_28, Braxoaddie_29, BrutonGaster_19, Buggaboo_26, C3PO_13, Cardigan_31, ChewyVIII_39, ClubL_31, CoffeeBean_29, Commandaria_27, Cornie_3, Cruella_13, Cucurbita_33, Culver_31, Dalilpop_30, Daredevil_13, Darwin_16, DatBoi_14, Dusty_30, Emianna_25, Engineer_32, Ennea_31, Flapper_29, Float294_27, Foxboro_26, Fury_34, GAL1_5, GRU1_15,

GTE5_16, GTE8_14, Gagieri_29, Gallia_21, Geeche_30, GrootJr_27, HomeFry_31, HubbaBubba_23, IDyn_26, Jifall16_24, JonJames_31, Kabluna_28, KidneyBean_25, Kimchi1738_13, Kurt_25, Lollipop1437_30, Lozinak_31, MacGully_33, Marietta_27, Maselop_29, MerCougar_26, Miskis_29, Mollymur_14, NadineRae_25, NatB6_25, Norvs_32, NosilaM_28, NovumRegina_25, OneUp_25, Outis_26, P1201_28, Patio_28, Pemberton_28, PeteyPab_13, PhinkBoden_31, Phomeo_24, Pleakley_34, Polyyuki_29, PotatoChip_13, RedRaider_32, SPB78_3, Scuba_34, Skysand_27, Smoothie_32, SpeedDemon_140, StarStruck_26, Stickynote_15, Sukkupi_27, SuperSulley_26, Toniann_31, Towmatter_12, Tracker_25, Turuncu_29, VWB_3, Wheezy_25, WhoseManz_27, WilliamBoone_31, Yndexa_27, Yvonnetastic_29, Zion_13,

Summary by start number:

Start 17:

- Found in 9 of 284 (3.2%) of genes in pham
- Manual Annotations of this start: 7 of 253
- Called 77.8% of time when present
- Phage (with cluster) where this start called: BiPauneto_28 (CR4), HubbaBubba_23 (CR4), IDyn_26 (CR4), NadineRae_25 (CR4), Sukkupi_27 (CR4), WhoseManz_27 (CR4), Yndexa_27 (CR4),

Start 20:

- Found in 27 of 284 (9.5%) of genes in pham
- Manual Annotations of this start: 25 of 253
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_30 (CQ1), Aphelion_31 (CQ1), Bachita_33 (CQ1), Bantam_13 (DL), BrutonGaster_19 (CQ2), Cardigan_31 (DD), ClubL_31 (CQ1), Cucurbita_33 (CQ1), Culver_31 (CQ1), Daredevil_13 (DL), DatBoi_14 (DL), Dusty_30 (CQ1), Engineer_32 (CQ1), Geeche_30 (CQ1), JonJames_31 (DD), Lozinak_31 (CQ1), Miskis_29 (CQ1), Mollymur_14 (DL), Norvs_32 (CQ1), OneUp_25 (CQ2), PhinkBoden_31 (CQ1), Smoothie_32 (CQ1), SpeedDemon_140 (DL), Toniann_31 (CQ1), Towmatter_12 (DL), WilliamBoone_31 (CQ1), Yvonnetastic_29 (DD),

Start 21:

- Found in 1 of 284 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 253
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cornie_3 (F5),

Start 22:

- Found in 1 of 284 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GAL1_5 (singleton),

Start 24:

- Found in 14 of 284 (4.9%) of genes in pham
- Manual Annotations of this start: 8 of 253
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Apiary_29 (CR6), Braxoaddie_29 (CR6), C3PO_13 (EN), CoffeeBean_29 (CR6), Darwin_16 (EN), Gagieri_29 (CR6),

Maselop_29 (CR6), Polyyuki_29 (CR6),

Start 25:

- Found in 6 of 284 (2.1%) of genes in pham
- Manual Annotations of this start: 6 of 253
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ennea_31 (CR3), Float294_27 (CR3), Lollipop1437_30 (CR3), Patio_28 (CR3), RedRaider_32 (CR3), Skysand_27 (CR3),

Start 26:

- Found in 50 of 284 (17.6%) of genes in pham
- Manual Annotations of this start: 29 of 253
- Called 74.0% of time when present
- Phage (with cluster) where this start called: Arti_25 (CR2), Bonum_28 (CR2), Buggaboo_26 (CR2), ChewyVIII_39 (singleton), Commandaria_27 (CR2), Dallipop_30 (CR1), Emianna_25 (CR2), Flapper_29 (CR1), Foxboro_26 (CR2), Fury_34 (CR5), GRU1_15 (CR1), GTE5_16 (CR1), GTE8_14 (CR2), Gallia_21 (singleton), GrootJr_27 (CR2), HomeFry_31 (CR5), Jifall16_24 (CR2), Kabluna_28 (CR2), KidneyBean_25 (CR2), Kurt_25 (CR2), MacGully_33 (CR7), Marietta_27 (CR4), MerCougar_26 (CR2), NatB6_25 (CR2), NosilaM_28 (CR2), NovumRegina_25 (CR2), Outis_26 (CR2), P1201_28 (singleton), Pemberton_28 (CR4), Phomeo_24 (CR2), Pleakley_34 (CR5), Scuba_34 (CR5), StarStruck_26 (CR2), SuperSulley_26 (CR2), Tracker_25 (CR2), Turuncu_29 (CR1), Wheezy_25 (CR2),

Start 29:

- Found in 9 of 284 (3.2%) of genes in pham
- Manual Annotations of this start: 6 of 253
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Cruella_13 (EN), Kimchi1738_13 (EN), PeteyPab_13 (EN), PotatoChip_13 (EN), StickyNote_15 (EN), Zion_13 (EN),

Start 30:

- Found in 2 of 284 (0.7%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: SPB78_3 (BA),

Start 36:

- Found in 189 of 284 (66.5%) of genes in pham
- Manual Annotations of this start: 159 of 253
- Called 86.2% of time when present
- Phage (with cluster) where this start called: Akhila_4 (F1), AlpineSix_3 (F1), ArcusAngelus_3 (F1), Ardmore_3 (F1), Aubs_3 (F1), Batiatus_3 (F1), Bipolar_3 (F1), Blexus_3 (F1), BlueCrab_3 (F1), BobaPhett_3 (F1), Brocalys_3 (F1), Bubbles123_3 (F1), Burwell21_3 (F1), ByChance_3 (F1), CaptainTrips_4 (F1), Che8_3 (F1), CheesePuff_3 (F1), Chevrolet_3 (F1), Chuckly_3 (F1), Clifton_3 (F1), Crumble_3 (F1), DLane_3 (F1), DRBy19_3 (F1), Daenerys_3 (F1), Dante_3 (F1), DeadP_3 (F1), Deb65_3 (F1), DillTech15_3 (F1), DoRead_3 (F1), Donkeykong_3 (F1), Doomphist_3 (F1), Dorothy_3 (F1), DotProduct_3 (F1), Doug_3 (F1), Eish_3 (F1), EleanorGeorge_3 (F1), EmiMonkey_3 (F1), Emma_3 (F1), Empress_3 (F1), Eradicator_3 (F1), Estave1_3 (F1), Fancypants_3 (F1), Fastidio_3 (F1), Firehouse51_3 (F1), Florinda_3 (F1), FreddyB_3 (F1), Fruitloop_3 (F1), GUmBie_3

(F1), Galactic_3 (F1), Geralt_3 (F1), GigiOuiOui_3 (F1), Girr_3 (F1), Gorge_3 (F1), Guppsters_3 (F1), Hades_3 (F1), Hamulus_3 (F1), Harley_3 (F1), Hlubikazi_3 (F1), IbOuu_3 (F1), Ibhubesi_3 (F1), Inventum_3 (F1), IrishSherpFalk_3 (F1), James_3 (F1), Jarcob_3 (F1), Jinglebell_3 (F1), JoeyJr_3 (F1), Karhdo_3 (F1), Kenuha5_3 (F1), Kersh_3 (F1), KingJulian_3 (F1), KingMidas_3 (F1), Koella_3 (F1), KristaRAM_4 (F1), LastJedi_3 (F1), Latretium_3 (F1), Leperchaun_3 (F1), LilMoolah_3 (F1), Lizziana_3 (F1), Llama_3 (F1), Llij_3 (F1), LunaBlu_3 (F1), MadMen_3 (F1), Mahavrat_3 (F1), Mandlovu_3 (F1), Maravista_3 (F1), Martik_3 (F1), Melissauren88_3 (F1), MilanaBonita_4 (F1), MilleniumForce_4 (F1), MinionDave_4 (F1), MisterCuddles_3 (F1), Modragons_3 (F1), Moonbeam_3 (F1), Ms6_3 (F1), Mutaforma13_3 (F1), NewHope4_3 (F1), Nimbo_3 (F1), Nitzel_4 (F1), Nivrat_3 (F1), NormanBulbieJr_3 (F1), Ochi17_3 (F1), OfUltron_3 (F1), OldBen_3 (F1), OlympiaSaint_3 (F1), Ovechkin_3 (F1), PHappiness_3 (F1), PMC_3 (F1), Pacc40_3 (F1), Phalconet_3 (F1), Phanphagia_3 (F1), Phasih_3 (F1), Phatniss_3 (F1), PhesterPhotato_3 (F1), PhilipPhlop_3 (F1), Pippy_3 (F1), Poenanya_3 (F1), Polka14_3 (F1), PopTart_3 (F1), Priscilla_3 (F1), QuickMath_3 (F1), Radiance_3 (F1), RedBird_3 (F1), RitaG_3 (F1), Rita_3 (F1), Rockne_3 (F1), Royals2015_3 (F1), Ruby_3 (F1), SG4_3 (F1), Saal_3 (F1), Sabbb_3 (F1), Sandalphon_3 (F1), Sassafras_3 (F1), SassyB_3 (F1), Scottish_3 (F1), Seabastian_3 (F1), Shauna1_3 (F1), ShiLan_3 (F1), ShowerHandel_3 (F1), ShroomBoi_3 (F1), SiSi_3 (F1), Sparkdehlily_3 (F1), Spartacus_3 (F1), Spoonbill_3 (F1), StAnnes_3 (F1), Strokeseat_3 (F1), SuperGrey_3 (F1), SwagPigglett_3 (F1), TDanisky_3 (F1), Taj_3 (F1), Topiatin_5 (F1), Tweety_3 (F1), VRedHorse_3 (F1), Veteran_3 (F1), Violac_3 (F1), Vivum_3 (F1), Wachhund_3 (F1), Wee_3 (F1), Whatsapiecost_3 (F1), WillSterrel_3 (F1), XFactor_3 (F1), Yorick_3 (F1), Zerg_3 (F1), Zizzle_3 (F1),

Start 41:

- Found in 33 of 284 (11.6%) of genes in pham
- Manual Annotations of this start: 2 of 253
- Called 18.2% of time when present
- Phage (with cluster) where this start called: Byougenkin_3 (F1), Grimmer_4 (F1), Mwanjiwa_3 (F1), Nichirin_3 (F1), SeaLumen_3 (F1), Whouxphf_3 (F1),

Start 42:

- Found in 187 of 284 (65.8%) of genes in pham
- Manual Annotations of this start: 9 of 253
- Called 9.1% of time when present
- Phage (with cluster) where this start called: BodEinwohner17_3 (F1), Cabrinians_3 (F1), Corium_3 (F1), DaddyRickover_3 (F1), Filuzino_3 (F1), Gandalph_3 (F1), IMpilo_3 (F1), Jant_3 (F1), Juniper1_3 (F1), Krakatau_4 (F1), Mattes_3 (F1), Medindi_3 (F1), Minnie_3 (F1), MulchSalad_3 (F7), Okabe_5 (F8), PatoPoderoso_3 (F1), Philus_3 (F1),

Start 47:

- Found in 189 of 284 (66.5%) of genes in pham
- Manual Annotations of this start: 1 of 253
- Called 1.6% of time when present
- Phage (with cluster) where this start called: Clank_3 (F), Jennelsea_3 (F1), Mantra_3 (F1),

Start 54:

- Found in 1 of 284 (0.4%) of genes in pham
- No Manual Annotations of this start.

- Called 100.0% of time when present
- Phage (with cluster) where this start called: VWB_3 (BA),

Summary by clusters:

There are 19 clusters represented in this pham: CR2, F1, DL, CR1, CR6, BA, CR4, CR3, F8, DD, CR5, singleton, F5, EN, F, CQ2, CQ1, F7, CR7,

Info for manual annotations of cluster CQ1:

- Start number 20 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 20 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CR1:

- Start number 26 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 26 was manually annotated 21 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 25 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 17 was manually annotated 7 times for cluster CR4.
- Start number 26 was manually annotated 1 time for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 26 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster CR6:

- Start number 24 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CR7:

- Start number 26 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster DD:

- Start number 20 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DL:

- Start number 20 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster EN:

- Start number 24 was manually annotated 2 times for cluster EN.
- Start number 29 was manually annotated 6 times for cluster EN.

Info for manual annotations of cluster F1:

- Start number 36 was manually annotated 159 times for cluster F1.
- Start number 41 was manually annotated 2 times for cluster F1.
- Start number 42 was manually annotated 9 times for cluster F1.
- Start number 47 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F5:

- Start number 21 was manually annotated 1 time for cluster F5.

Gene Information:

Gene: Abscondus_30 Start: 10194, Stop: 11810, Start Num: 20

Candidate Starts for Abscondus_30:

(Start: 20 @10194 has 25 MA's), (32, 10245), (35, 10254), (46, 10314), (55, 10371), (60, 10404), (61, 10407), (68, 10452), (72, 10479), (103, 10683), (110, 10713), (116, 10749), (123, 10794), (125, 10803), (127, 10818), (148, 10959), (151, 10977), (152, 10983), (156, 11025), (184, 11217), (193, 11304), (196, 11334), (201, 11379), (208, 11427), (210, 11442), (222, 11505), (225, 11529), (226, 11535), (228, 11544), (242, 11613), (248, 11664), (249, 11667), (252, 11679),

Gene: Akhila_4 Start: 2903, Stop: 4273, Start Num: 36

Candidate Starts for Akhila_4:

(Start: 36 @2903 has 159 MA's), (Start: 42 @2939 has 9 MA's), (Start: 47 @2963 has 1 MA's), (48, 2972), (49, 2978), (50, 2981), (55, 3020), (65, 3086), (66, 3089), (74, 3158), (84, 3197), (85, 3206), (97, 3254), (109, 3314), (117, 3362), (125, 3407), (134, 3452), (137, 3479), (144, 3524), (147, 3545), (148, 3548), (149, 3551), (152, 3572), (153, 3581), (160, 3632), (161, 3635), (164, 3644), (170, 3674), (173, 3695), (183, 3764), (185, 3773), (189, 3824), (190, 3827), (195, 3881), (196, 3887), (198, 3893), (212, 4004), (215, 4016), (221, 4049), (222, 4055), (225, 4079), (250, 4223), (255, 4241),

Gene: AlpineSix_3 Start: 2249, Stop: 3607, Start Num: 36

Candidate Starts for AlpineSix_3:

(Start: 36 @2249 has 159 MA's), (Start: 41 @2282 has 2 MA's), (Start: 47 @2309 has 1 MA's), (48, 2318), (49, 2324), (50, 2327), (55, 2366), (65, 2432), (66, 2435), (74, 2504), (75, 2510), (84, 2543), (85, 2552), (97, 2600), (109, 2660), (117, 2708), (125, 2753), (134, 2798), (137, 2825), (144, 2870), (147, 2891), (148, 2894), (149, 2897), (152, 2918), (153, 2927), (160, 2978), (161, 2981), (164, 2990), (170, 3020), (173, 3041), (183, 3110), (185, 3119), (189, 3170), (190, 3173), (195, 3227), (196, 3233), (198, 3239), (206, 3317), (212, 3350), (215, 3362), (221, 3395), (222, 3401), (225, 3425), (250, 3569),

Gene: Aphelion_31 Start: 10441, Stop: 12057, Start Num: 20

Candidate Starts for Aphelion_31:

(Start: 20 @10441 has 25 MA's), (32, 10492), (35, 10501), (46, 10561), (55, 10618), (61, 10654), (68, 10699), (72, 10726), (103, 10930), (110, 10960), (116, 10996), (123, 11041), (125, 11050), (127, 11065), (147, 11203), (148, 11206), (151, 11224), (152, 11230), (156, 11272), (184, 11464), (193, 11551), (196, 11581), (201, 11626), (208, 11674), (210, 11689), (222, 11752), (225, 11776), (226, 11782), (228, 11791), (242, 11860), (248, 11911), (249, 11914), (252, 11926),

Gene: Apiary_29 Start: 15865, Stop: 17454, Start Num: 24

Candidate Starts for Apiary_29:

(18, 15838), (Start: 24 @15865 has 8 MA's), (Start: 26 @15871 has 29 MA's), (28, 15880), (32, 15898), (33, 15901), (Start: 42 @15958 has 9 MA's), (56, 16051), (80, 16225), (81, 16231), (102, 16351), (116, 16426), (117, 16435), (126, 16483), (154, 16663), (157, 16684), (162, 16702), (165, 16714), (183, 16819), (187, 16846), (191, 16891), (192, 16903), (195, 16936), (205, 17014), (208, 17035), (212, 17059), (214, 17068), (220, 17092), (238, 17212), (240, 17221), (243, 17245),

Gene: ArcusAngelus_3 Start: 2241, Stop: 3611, Start Num: 36

Candidate Starts for ArcusAngelus_3:

(Start: 36 @2241 has 159 MA's), (Start: 42 @2277 has 9 MA's), (Start: 47 @2301 has 1 MA's), (48, 2310), (49, 2316), (50, 2319), (55, 2358), (64, 2421), (65, 2424), (66, 2427), (74, 2496), (75, 2502), (84, 2535), (85, 2544), (97, 2592), (109, 2652), (111, 2673), (117, 2700), (125, 2745), (134, 2790), (137, 2817), (144, 2862), (147, 2883), (148, 2886), (149, 2889), (152, 2910), (153, 2919), (160, 2970), (161, 2973), (164, 2982), (170, 3012), (173, 3033), (183, 3102), (185, 3111), (189, 3162), (190, 3165), (196, 3225), (198, 3231), (206, 3309), (212, 3342), (215, 3354), (221, 3387), (222, 3393), (225, 3417), (250, 3561), (255, 3579),

Gene: Ardmore_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Ardmore_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Arti_25 Start: 13883, Stop: 15472, Start Num: 26

Candidate Starts for Arti_25:

(Start: 26 @13883 has 29 MA's), (27, 13889), (31, 13904), (Start: 42 @13967 has 9 MA's), (71, 14159), (80, 14237), (86, 14261), (92, 14291), (132, 14522), (148, 14639), (157, 14711), (161, 14726), (165, 14741), (180, 14822), (195, 14963), (208, 15062), (210, 15077), (212, 15086), (214, 15095), (221, 15131), (223, 15155), (238, 15239), (240, 15248), (246, 15293),

Gene: Aubs_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Aubs_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Bachita_33 Start: 10874, Stop: 12490, Start Num: 20

Candidate Starts for Bachita_33:

(Start: 20 @10874 has 25 MA's), (32, 10925), (35, 10934), (46, 10994), (55, 11051), (61, 11087), (68, 11132), (72, 11159), (103, 11363), (110, 11393), (116, 11429), (123, 11474), (125, 11483), (127, 11498), (147, 11636), (148, 11639), (151, 11657), (152, 11663), (156, 11705), (184, 11897), (193, 11984), (196, 12014), (201, 12059), (208, 12107), (210, 12122), (222, 12185), (225, 12209), (226, 12215), (228, 12224), (242, 12293), (248, 12344), (249, 12347), (252, 12359),

Gene: Bantam_13 Start: 7834, Stop: 9393, Start Num: 20

Candidate Starts for Bantam_13:

(Start: 20 @7834 has 25 MA's), (61, 8050), (68, 8095), (82, 8200), (103, 8299), (104, 8302), (110, 8329), (121, 8398), (142, 8533), (147, 8566), (148, 8569), (152, 8593), (177, 8764), (186, 8839), (192, 8902), (196, 8941), (202, 8989), (205, 9013), (216, 9076), (227, 9148), (229, 9163), (242, 9220), (247, 9259), (248, 9271), (249, 9274), (253, 9289), (256, 9298),

Gene: Batiatus_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Batiatus_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: BiPauneto_28 Start: 13790, Stop: 15412, Start Num: 17

Candidate Starts for BiPauneto_28:

(Start: 17 @13790 has 7 MA's), (Start: 26 @13835 has 29 MA's), (32, 13859), (35, 13868), (132, 14474), (140, 14519), (157, 14651), (165, 14681), (180, 14762), (191, 14858), (194, 14888), (195, 14903), (212, 15026), (214, 15035), (221, 15071), (223, 15095), (234, 15161), (238, 15179), (240, 15188), (246, 15233),

Gene: Bipolar_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Bipolar_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Blexus_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Blexus_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (255, 3593),

Gene: BlueCrab_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for BlueCrab_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: BobaPhett_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for BobaPhett_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (53, 2348), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: BodEinwohner17_3 Start: 2275, Stop: 3609, Start Num: 42

Candidate Starts for BodEinwohner17_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: Bonum_28 Start: 14299, Stop: 15876, Start Num: 26

Candidate Starts for Bonum_28:

(Start: 26 @14299 has 29 MA's), (27, 14305), (31, 14320), (32, 14323), (71, 14575), (80, 14653), (86, 14677), (120, 14878), (126, 14911), (132, 14938), (141, 14998), (162, 15133), (165, 15145), (180, 15226), (191, 15322), (195, 15367), (208, 15466), (212, 15490), (214, 15499), (223, 15559), (232, 15619), (236, 15631), (238, 15643), (240, 15652), (245, 15691),

Gene: Braxoaddie_29 Start: 15854, Stop: 17443, Start Num: 24

Candidate Starts for Braxoaddie_29:

(18, 15827), (Start: 24 @15854 has 8 MA's), (Start: 26 @15860 has 29 MA's), (28, 15869), (32, 15887), (33, 15890), (Start: 42 @15947 has 9 MA's), (56, 16040), (80, 16214), (81, 16220), (102, 16340), (116, 16415), (117, 16424), (126, 16472), (154, 16652), (157, 16673), (162, 16691), (165, 16703), (183, 16808), (187, 16835), (191, 16880), (192, 16892), (195, 16925), (205, 17003), (208, 17024), (212, 17048), (214, 17057), (220, 17081), (238, 17201), (240, 17210), (243, 17234),

Gene: Brocalys_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for Brocalys_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (172, 3029), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: BrutonGaster_19 Start: 7166, Stop: 8773, Start Num: 20

Candidate Starts for BrutonGaster_19:

(Start: 20 @7166 has 25 MA's), (32, 7217), (35, 7226), (49, 7301), (55, 7343), (61, 7379), (68, 7424), (72, 7451), (103, 7655), (110, 7685), (117, 7730), (125, 7775), (127, 7790), (142, 7895), (148, 7931), (151, 7949), (152, 7955), (156, 7997), (177, 8126), (196, 8306), (201, 8351), (208, 8399), (225, 8501), (226, 8507), (228, 8516), (242, 8585), (243, 8600), (248, 8636), (249, 8639), (252, 8651),

Gene: Bubbles123_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Bubbles123_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (111, 2687), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Buggaboo_26 Start: 14757, Stop: 16334, Start Num: 26

Candidate Starts for Buggaboo_26:

(Start: 26 @14757 has 29 MA's), (27, 14763), (31, 14778), (32, 14781), (71, 15033), (80, 15111), (86, 15135), (120, 15336), (126, 15369), (132, 15396), (141, 15456), (162, 15591), (165, 15603), (180, 15684), (191, 15780), (195, 15825), (208, 15924), (212, 15948), (214, 15957), (223, 16017), (232, 16077), (236, 16089), (238, 16101), (240, 16110), (245, 16149),

Gene: Burwell21_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Burwell21_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: ByChance_3 Start: 2241, Stop: 3611, Start Num: 36

Candidate Starts for ByChance_3:

(Start: 36 @2241 has 159 MA's), (Start: 42 @2277 has 9 MA's), (Start: 47 @2301 has 1 MA's), (48, 2310), (49, 2316), (50, 2319), (55, 2358), (65, 2424), (66, 2427), (74, 2496), (84, 2535), (85, 2544), (97, 2592), (109, 2652), (117, 2700), (125, 2745), (134, 2790), (137, 2817), (144, 2862), (147, 2883), (148, 2886), (149, 2889), (152, 2910), (153, 2919), (160, 2970), (161, 2973), (164, 2982), (170, 3012), (173, 3033), (183, 3102), (185, 3111), (189, 3162), (190, 3165), (196, 3225), (198, 3231), (206, 3309), (212, 3342), (215, 3354), (222, 3393), (225, 3417), (255, 3579),

Gene: Byougenkin_3 Start: 2273, Stop: 3598, Start Num: 41

Candidate Starts for Byougenkin_3:

(Start: 36 @2240 has 159 MA's), (Start: 41 @2273 has 2 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (75, 2501), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (111, 2672), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: C3PO_13 Start: 8765, Stop: 10342, Start Num: 24

Candidate Starts for C3PO_13:

(Start: 24 @8765 has 8 MA's), (Start: 29 @8780 has 6 MA's), (39, 8843), (45, 8864), (51, 8906), (59, 8966), (60, 8975), (62, 8984), (68, 9023), (80, 9119), (101, 9239), (102, 9245), (112, 9308), (114, 9314), (135, 9428), (136, 9449), (143, 9503), (147, 9527), (157, 9602), (161, 9617), (165, 9632), (183, 9737), (185, 9746), (195, 9854), (215, 9986), (224, 10049), (230, 10094), (241, 10139), (242, 10145), (244, 10172), (246, 10181), (248, 10196), (261, 10280),

Gene: Cabrinians_3 Start: 2276, Stop: 3598, Start Num: 42

Candidate Starts for Cabrinians_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (250, 3560),

Gene: CaptainTrips_4 Start: 2903, Stop: 4273, Start Num: 36

Candidate Starts for CaptainTrips_4:

(Start: 36 @2903 has 159 MA's), (Start: 42 @2939 has 9 MA's), (Start: 47 @2963 has 1 MA's), (48, 2972), (49, 2978), (50, 2981), (55, 3020), (65, 3086), (66, 3089), (74, 3158), (84, 3197), (85, 3206), (97, 3254), (109, 3314), (117, 3362), (125, 3407), (134, 3452), (137, 3479), (144, 3524), (147, 3545), (148, 3548), (149, 3551), (152, 3572), (153, 3581), (160, 3632), (161, 3635), (164, 3644), (170, 3674), (173, 3695), (183, 3764), (185, 3773), (189, 3824), (190, 3827), (195, 3881), (196, 3887), (197, 3890), (198, 3893), (204, 3950), (212, 4004), (215, 4016), (221, 4049), (222, 4055), (225, 4079), (250, 4223), (255,

4241),

Gene: Cardigan_31 Start: 12425, Stop: 13987, Start Num: 20

Candidate Starts for Cardigan_31:

(13, 12341), (Start: 20 @12425 has 25 MA's), (32, 12476), (35, 12485), (55, 12602), (60, 12635), (68, 12683), (69, 12686), (71, 12701), (72, 12710), (79, 12770), (83, 12791), (96, 12848), (103, 12914), (105, 12920), (110, 12944), (115, 12977), (124, 13031), (125, 13034), (142, 13154), (151, 13208), (152, 13214), (161, 13277), (174, 13349), (177, 13385), (186, 13463), (194, 13544), (196, 13565), (201, 13610), (204, 13628), (213, 13688), (216, 13700), (217, 13703), (247, 13883), (249, 13898), (253, 13913),

Gene: Che8_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Che8_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (64, 2419), (65, 2422), (66, 2425), (74, 2494), (75, 2500), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (111, 2671), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: Cheesepuff_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for Cheesepuff_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (111, 2672), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (195, 3218), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (255, 3578),

Gene: Chevrolet_3 Start: 2241, Stop: 3611, Start Num: 36

Candidate Starts for Chevrolet_3:

(Start: 36 @2241 has 159 MA's), (Start: 42 @2277 has 9 MA's), (Start: 47 @2301 has 1 MA's), (48, 2310), (49, 2316), (50, 2319), (55, 2358), (64, 2421), (65, 2424), (66, 2427), (74, 2496), (75, 2502), (84, 2535), (85, 2544), (97, 2592), (109, 2652), (111, 2673), (117, 2700), (125, 2745), (134, 2790), (137, 2817), (144, 2862), (147, 2883), (148, 2886), (149, 2889), (152, 2910), (153, 2919), (160, 2970), (161, 2973), (164, 2982), (170, 3012), (173, 3033), (183, 3102), (185, 3111), (189, 3162), (190, 3165), (196, 3225), (198, 3231), (206, 3309), (212, 3342), (215, 3354), (221, 3387), (222, 3393), (225, 3417), (250, 3561), (255, 3579),

Gene: ChewyVIII_39 Start: 21579, Stop: 23150, Start Num: 26

Candidate Starts for ChewyVIII_39:

(Start: 26 @21579 has 29 MA's), (32, 21603), (40, 21657), (43, 21666), (56, 21756), (62, 21795), (66, 21822), (80, 21930), (86, 21954), (98, 22020), (102, 22056), (108, 22086), (116, 22131), (126, 22188), (130, 22209), (147, 22338), (157, 22413), (162, 22431), (165, 22443), (180, 22524), (184, 22554), (187, 22575), (192, 22632), (194, 22650), (195, 22665), (205, 22743), (207, 22758), (208, 22764), (212, 22788), (226, 22878), (229, 22899), (231, 22911), (234, 22923), (238, 22941), (240, 22950), (243, 22974), (260, 23061), (263, 23130),

Gene: Chuckly_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Chuckly_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148,

2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Clank_3 Start: 2315, Stop: 3625, Start Num: 47

Candidate Starts for Clank_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Clifton_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for Clifton_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (111, 2672), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: ClubL_31 Start: 10375, Stop: 11991, Start Num: 20

Candidate Starts for ClubL_31:

(Start: 20 @10375 has 25 MA's), (32, 10426), (35, 10435), (46, 10495), (55, 10552), (61, 10588), (68, 10633), (72, 10660), (103, 10864), (110, 10894), (116, 10930), (123, 10975), (125, 10984), (127, 10999), (147, 11137), (148, 11140), (151, 11158), (152, 11164), (156, 11206), (184, 11398), (193, 11485), (196, 11515), (201, 11560), (208, 11608), (210, 11623), (222, 11686), (225, 11710), (226, 11716), (228, 11725), (242, 11794), (248, 11845), (249, 11848), (252, 11860),

Gene: CoffeeBean_29 Start: 15809, Stop: 17398, Start Num: 24

Candidate Starts for CoffeeBean_29:

(18, 15782), (Start: 24 @15809 has 8 MA's), (Start: 26 @15815 has 29 MA's), (28, 15824), (32, 15842), (33, 15845), (Start: 42 @15902 has 9 MA's), (56, 15995), (80, 16169), (81, 16175), (102, 16295), (116, 16370), (117, 16379), (126, 16427), (154, 16607), (157, 16628), (162, 16646), (165, 16658), (183, 16763), (187, 16790), (191, 16835), (192, 16847), (195, 16880), (205, 16958), (208, 16979), (212, 17003), (214, 17012), (220, 17036), (238, 17156), (240, 17165), (243, 17189),

Gene: Commandaria_27 Start: 15204, Stop: 16781, Start Num: 26

Candidate Starts for Commandaria_27:

(Start: 26 @15204 has 29 MA's), (27, 15210), (Start: 29 @15213 has 6 MA's), (31, 15225), (Start: 42 @15288 has 9 MA's), (69, 15465), (71, 15480), (80, 15558), (86, 15582), (99, 15672), (126, 15816), (132, 15843), (154, 15999), (157, 16020), (161, 16035), (165, 16050), (180, 16131), (183, 16155), (192, 16239), (195, 16272), (208, 16371), (212, 16395), (214, 16404), (219, 16425), (223, 16464), (238, 16548), (240, 16557),

Gene: Corium_3 Start: 2291, Stop: 3625, Start Num: 42

Candidate Starts for Corium_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173,

3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (255, 3593),

Gene: Cornie_3 Start: 2288, Stop: 3727, Start Num: 21

Candidate Starts for Cornie_3:

(14, 2216), (15, 2234), (16, 2258), (Start: 21 @2288 has 1 MA's), (23, 2297), (44, 2408), (50, 2438), (52, 2453), (53, 2468), (58, 2498), (60, 2510), (61, 2513), (65, 2543), (67, 2549), (68, 2558), (69, 2561), (70, 2570), (78, 2639), (82, 2663), (91, 2696), (94, 2714), (95, 2717), (110, 2771), (115, 2804), (129, 2888), (133, 2903), (138, 2936), (167, 3086), (176, 3152), (178, 3170), (184, 3218), (192, 3296), (196, 3335), (201, 3380), (202, 3383), (209, 3440), (211, 3449), (214, 3461), (216, 3470), (228, 3545), (235, 3584), (242, 3614), (246, 3650),

Gene: Cruella_13 Start: 8780, Stop: 10342, Start Num: 29

Candidate Starts for Cruella_13:

(Start: 24 @8765 has 8 MA's), (Start: 29 @8780 has 6 MA's), (39, 8843), (45, 8864), (51, 8906), (59, 8966), (60, 8975), (62, 8984), (68, 9023), (80, 9119), (101, 9239), (102, 9245), (112, 9308), (114, 9314), (135, 9428), (136, 9449), (143, 9503), (147, 9527), (157, 9602), (161, 9617), (165, 9632), (183, 9737), (185, 9746), (195, 9854), (215, 9986), (224, 10049), (230, 10094), (241, 10139), (242, 10145), (244, 10172), (246, 10181), (248, 10196), (261, 10280),

Gene: Crumble_3 Start: 2241, Stop: 3611, Start Num: 36

Candidate Starts for Crumble_3:

(Start: 36 @2241 has 159 MA's), (Start: 42 @2277 has 9 MA's), (Start: 47 @2301 has 1 MA's), (48, 2310), (49, 2316), (50, 2319), (55, 2358), (65, 2424), (66, 2427), (74, 2496), (84, 2535), (85, 2544), (97, 2592), (109, 2652), (117, 2700), (125, 2745), (134, 2790), (137, 2817), (144, 2862), (147, 2883), (148, 2886), (149, 2889), (152, 2910), (153, 2919), (160, 2970), (161, 2973), (164, 2982), (170, 3012), (173, 3033), (183, 3102), (185, 3111), (189, 3162), (190, 3165), (196, 3225), (198, 3231), (206, 3309), (212, 3342), (215, 3354), (222, 3393), (225, 3417), (255, 3579),

Gene: Cucurbita_33 Start: 11733, Stop: 13349, Start Num: 20

Candidate Starts for Cucurbita_33:

(Start: 20 @11733 has 25 MA's), (32, 11784), (35, 11793), (46, 11853), (55, 11910), (61, 11946), (68, 11991), (72, 12018), (103, 12222), (110, 12252), (116, 12288), (123, 12333), (125, 12342), (127, 12357), (147, 12495), (148, 12498), (151, 12516), (152, 12522), (156, 12564), (184, 12756), (193, 12843), (196, 12873), (201, 12918), (208, 12966), (210, 12981), (222, 13044), (225, 13068), (226, 13074), (228, 13083), (242, 13152), (248, 13203), (249, 13206), (252, 13218),

Gene: Culver_31 Start: 10194, Stop: 11810, Start Num: 20

Candidate Starts for Culver_31:

(Start: 20 @10194 has 25 MA's), (32, 10245), (35, 10254), (46, 10314), (55, 10371), (60, 10404), (61, 10407), (68, 10452), (72, 10479), (103, 10683), (110, 10713), (116, 10749), (123, 10794), (125, 10803), (127, 10818), (148, 10959), (151, 10977), (152, 10983), (156, 11025), (184, 11217), (193, 11304), (196, 11334), (201, 11379), (208, 11427), (210, 11442), (222, 11505), (225, 11529), (226, 11535), (228, 11544), (242, 11613), (248, 11664), (249, 11667), (252, 11679),

Gene: DLane_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for DLane_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255,

3593),

Gene: DRBy19_3 Start: 2256, Stop: 3626, Start Num: 36

Candidate Starts for DRBy19_3:

(Start: 36 @2256 has 159 MA's), (Start: 42 @2292 has 9 MA's), (Start: 47 @2316 has 1 MA's), (48, 2325), (49, 2331), (50, 2334), (55, 2373), (65, 2439), (66, 2442), (74, 2511), (84, 2550), (85, 2559), (97, 2607), (109, 2667), (117, 2715), (125, 2760), (134, 2805), (137, 2832), (144, 2877), (147, 2898), (148, 2901), (149, 2904), (152, 2925), (153, 2934), (160, 2985), (161, 2988), (164, 2997), (170, 3027), (173, 3048), (183, 3117), (185, 3126), (189, 3177), (190, 3180), (195, 3234), (196, 3240), (197, 3243), (198, 3246), (204, 3303), (212, 3357), (215, 3369), (221, 3402), (222, 3408), (225, 3432), (250, 3576), (255, 3594),

Gene: DaddyRickover_3 Start: 2275, Stop: 3609, Start Num: 42

Candidate Starts for DaddyRickover_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: Daenerys_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Daenerys_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: Dalilpop_30 Start: 16300, Stop: 17877, Start Num: 26

Candidate Starts for Dalilpop_30:

(Start: 26 @16300 has 29 MA's), (71, 16576), (126, 16912), (141, 16999), (157, 17116), (165, 17146), (180, 17227), (195, 17368), (208, 17467), (212, 17491), (214, 17500), (221, 17536), (223, 17560), (238, 17644), (240, 17653), (245, 17692), (246, 17698),

Gene: Dante_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Dante_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Daredevil_13 Start: 6745, Stop: 8310, Start Num: 20

Candidate Starts for Daredevil_13:

(Start: 20 @6745 has 25 MA's), (32, 6796), (61, 6961), (68, 7006), (76, 7081), (77, 7084), (82, 7111), (98, 7192), (103, 7210), (104, 7213), (119, 7291), (123, 7321), (142, 7444), (152, 7504), (161, 7567), (177, 7675), (192, 7813), (196, 7852), (202, 7900), (205, 7924), (216, 7987), (232, 8092), (242, 8131), (248, 8182), (249, 8185), (252, 8197),

Gene: Darwin_16 Start: 9510, Stop: 11087, Start Num: 24

Candidate Starts for Darwin_16:

(Start: 24 @9510 has 8 MA's), (Start: 29 @9525 has 6 MA's), (39, 9588), (45, 9609), (51, 9651), (59, 9711), (60, 9720), (62, 9729), (80, 9864), (101, 9984), (102, 9990), (112, 10053), (114, 10059), (135, 10173), (136, 10194), (143, 10248), (147, 10272), (157, 10347), (161, 10362), (165, 10377), (183, 10482), (185, 10491), (195, 10599), (199, 10620), (205, 10674), (215, 10731), (224, 10794), (230, 10839), (241, 10884), (242, 10890), (244, 10917), (246, 10926), (248, 10941), (261, 11025),

Gene: DatBoi_14 Start: 8659, Stop: 10218, Start Num: 20

Candidate Starts for DatBoi_14:

(Start: 20 @8659 has 25 MA's), (61, 8875), (67, 8911), (68, 8920), (75, 8992), (82, 9025), (103, 9124), (104, 9127), (117, 9199), (128, 9265), (142, 9358), (147, 9391), (148, 9394), (152, 9418), (161, 9481), (169, 9520), (171, 9532), (177, 9589), (186, 9664), (192, 9727), (196, 9766), (202, 9814), (205, 9838), (216, 9901), (227, 9973), (229, 9988), (242, 10045), (247, 10084), (248, 10096), (249, 10099), (253, 10114), (256, 10123),

Gene: DeadP_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for DeadP_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Deb65_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Deb65_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: DillTech15_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for DillTech15_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: DoRead_3 Start: 2255, Stop: 3613, Start Num: 36

Candidate Starts for DoRead_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (111, 2687), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575),

Gene: Donkeykong_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Donkeykong_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Doomphist_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Doomphist_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: Dorothy_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Dorothy_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: DotProduct_3 Start: 2256, Stop: 3626, Start Num: 36

Candidate Starts for DotProduct_3:

(Start: 36 @2256 has 159 MA's), (Start: 42 @2292 has 9 MA's), (Start: 47 @2316 has 1 MA's), (48, 2325), (49, 2331), (50, 2334), (55, 2373), (65, 2439), (66, 2442), (74, 2511), (84, 2550), (85, 2559), (97, 2607), (109, 2667), (117, 2715), (125, 2760), (134, 2805), (137, 2832), (144, 2877), (147, 2898), (148, 2901), (149, 2904), (152, 2925), (153, 2934), (160, 2985), (161, 2988), (164, 2997), (170, 3027), (173, 3048), (183, 3117), (185, 3126), (189, 3177), (190, 3180), (195, 3234), (196, 3240), (197, 3243), (198, 3246), (204, 3303), (212, 3357), (215, 3369), (221, 3402), (222, 3408), (225, 3432), (250, 3576), (255, 3594),

Gene: Doug_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for Doug_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (53, 2348), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (195, 3218), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (250, 3560), (255, 3578),

Gene: Dusty_30 Start: 10194, Stop: 11810, Start Num: 20

Candidate Starts for Dusty_30:

(Start: 20 @10194 has 25 MA's), (32, 10245), (35, 10254), (46, 10314), (55, 10371), (60, 10404), (61, 10407), (68, 10452), (72, 10479), (103, 10683), (110, 10713), (116, 10749), (123, 10794), (125, 10803), (127, 10818), (148, 10959), (151, 10977), (152, 10983), (156, 11025), (184, 11217), (193, 11304), (196, 11334), (201, 11379), (208, 11427), (210, 11442), (222, 11505), (225, 11529), (226, 11535), (228, 11544), (242, 11613), (248, 11664), (249, 11667), (252, 11679),

Gene: Eish_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for Eish_3:

(Start: 36 @2240 has 159 MA's), (Start: 41 @2273 has 2 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (64, 2420), (65, 2423), (66, 2426), (74, 2495), (75, 2501), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: EleanorGeorge_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for EleanorGeorge_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: EmiMonkey_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for EmiMonkey_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (255, 3593),

Gene: Emianna_25 Start: 14922, Stop: 16511, Start Num: 26

Candidate Starts for Emianna_25:

(Start: 26 @14922 has 29 MA's), (27, 14928), (31, 14943), (34, 14952), (Start: 42 @15006 has 9 MA's), (71, 15198), (80, 15276), (86, 15300), (92, 15330), (126, 15534), (132, 15561), (136, 15588), (148, 15678), (157, 15750), (161, 15765), (165, 15780), (180, 15861), (195, 16002), (208, 16101), (210, 16116), (212, 16125), (214, 16134), (221, 16170), (223, 16194), (238, 16278), (240, 16287), (246, 16332),

Gene: Emma_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Emma_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Empress_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Empress_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (172, 3028), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: Engineer_32 Start: 10389, Stop: 12005, Start Num: 20

Candidate Starts for Engineer_32:

(Start: 20 @10389 has 25 MA's), (32, 10440), (35, 10449), (46, 10509), (55, 10566), (61, 10602), (68, 10647), (72, 10674), (103, 10878), (110, 10908), (116, 10944), (123, 10989), (125, 10998), (127, 11013), (147, 11151), (148, 11154), (151, 11172), (152, 11178), (156, 11220), (184, 11412), (193, 11499), (196, 11529), (201, 11574), (208, 11622), (210, 11637), (222, 11700), (225, 11724), (226, 11730), (228, 11739), (242, 11808), (248, 11859), (249, 11862), (252, 11874),

Gene: Ennea_31 Start: 15546, Stop: 17129, Start Num: 25

Candidate Starts for Ennea_31:

(Start: 25 @15546 has 6 MA's), (28, 15555), (Start: 42 @15633 has 9 MA's), (80, 15900), (99, 16014), (145, 16284), (157, 16368), (161, 16383), (165, 16398), (180, 16479), (195, 16620), (208, 16719), (212, 16743), (214, 16752), (223, 16812), (234, 16878), (238, 16896), (240, 16905), (246, 16950),

Gene: Eradicator_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for Eradicator_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (255, 3578),

Gene: Estave1_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for Estave1_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (64, 2420), (65, 2423), (66, 2426), (74, 2495), (75, 2501), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (111, 2672), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (255, 3578),

Gene: Fancypants_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for Fancypants_3:

(Start: 36 @2240 has 159 MA's), (Start: 41 @2273 has 2 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (111, 2672), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (255, 3578),

Gene: Fastidio_3 Start: 2255, Stop: 3613, Start Num: 36

Candidate Starts for Fastidio_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (219, 3386), (221, 3401), (222, 3407), (225, 3431), (250, 3575),

Gene: Filuzino_3 Start: 2292, Stop: 3626, Start Num: 42

Candidate Starts for Filuzino_3:

(Start: 36 @2256 has 159 MA's), (Start: 42 @2292 has 9 MA's), (Start: 47 @2316 has 1 MA's), (48, 2325), (49, 2331), (50, 2334), (55, 2373), (65, 2439), (66, 2442), (74, 2511), (84, 2550), (85, 2559), (97, 2607), (109, 2667), (117, 2715), (125, 2760), (134, 2805), (137, 2832), (144, 2877), (147, 2898), (148, 2901), (149, 2904), (152, 2925), (153, 2934), (160, 2985), (161, 2988), (164, 2997), (170, 3027), (173, 3048), (183, 3117), (185, 3126), (189, 3177), (190, 3180), (195, 3234), (196, 3240), (197, 3243), (198, 3246), (204, 3303), (212, 3357), (215, 3369), (221, 3402), (222, 3408), (225, 3432), (250, 3576), (255, 3594),

Gene: Firehouse51_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Firehouse51_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Flapper_29 Start: 15375, Stop: 16952, Start Num: 26

Candidate Starts for Flapper_29:

(Start: 26 @15375 has 29 MA's), (71, 15651), (126, 15987), (141, 16074), (157, 16191), (165, 16221), (180, 16302), (195, 16443), (208, 16542), (212, 16566), (214, 16575), (221, 16611), (223, 16635), (238, 16719), (240, 16728), (246, 16773),

Gene: Float294_27 Start: 14988, Stop: 16571, Start Num: 25

Candidate Starts for Float294_27:

(Start: 25 @14988 has 6 MA's), (28, 14997), (Start: 42 @15075 has 9 MA's), (80, 15342), (99, 15456), (145, 15726), (157, 15810), (161, 15825), (165, 15840), (180, 15921), (192, 16029), (195, 16062), (208, 16161), (212, 16185), (214, 16194), (223, 16254), (234, 16320), (238, 16338), (240, 16347), (246, 16392), (248, 16407),

Gene: Florinda_3 Start: 2258, Stop: 3628, Start Num: 36

Candidate Starts for Florinda_3:

(Start: 36 @2258 has 159 MA's), (Start: 47 @2318 has 1 MA's), (48, 2327), (49, 2333), (50, 2336), (55, 2375), (65, 2441), (66, 2444), (74, 2513), (84, 2552), (85, 2561), (97, 2609), (109, 2669), (117, 2717), (125, 2762), (134, 2807), (137, 2834), (144, 2879), (147, 2900), (148, 2903), (149, 2906), (152, 2927), (153, 2936), (160, 2987), (161, 2990), (164, 2999), (170, 3029), (173, 3050), (183, 3119), (185, 3128), (189, 3179), (190, 3182), (195, 3236), (196, 3242), (198, 3248), (212, 3359), (222, 3410), (225, 3434), (255, 3596),

Gene: Foxboro_26 Start: 15428, Stop: 17017, Start Num: 26

Candidate Starts for Foxboro_26:

(Start: 26 @15428 has 29 MA's), (27, 15434), (31, 15449), (34, 15458), (Start: 42 @15512 has 9 MA's), (71, 15704), (80, 15782), (86, 15806), (92, 15836), (126, 16040), (132, 16067), (136, 16094), (148, 16184), (157, 16256), (161, 16271), (165, 16286), (180, 16367), (195, 16508), (208, 16607), (210, 16622), (212, 16631), (214, 16640), (221, 16676), (223, 16700), (238, 16784), (240, 16793), (246, 16838),

Gene: FreddyB_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for FreddyB_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173,

3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (255, 3578),

Gene: Fruitloop_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Fruitloop_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Fury_34 Start: 14654, Stop: 16231, Start Num: 26

Candidate Starts for Fury_34:

(Start: 26 @14654 has 29 MA's), (27, 14660), (28, 14663), (35, 14690), (Start: 42 @14741 has 9 MA's), (80, 15008), (114, 15203), (117, 15218), (126, 15266), (157, 15470), (161, 15485), (165, 15500), (180, 15581), (191, 15677), (192, 15689), (195, 15722), (208, 15821), (212, 15845), (214, 15854), (221, 15890), (222, 15905), (223, 15914), (238, 15998), (245, 16046), (246, 16052),

Gene: GAL1_5 Start: 3245, Stop: 4624, Start Num: 22

Candidate Starts for GAL1_5:

(19, 3239), (22, 3245), (37, 3314), (48, 3368), (52, 3392), (55, 3416), (61, 3452), (65, 3482), (67, 3488), (68, 3497), (69, 3500), (70, 3509), (71, 3515), (78, 3578), (88, 3626), (91, 3635), (94, 3653), (110, 3710), (113, 3737), (115, 3743), (118, 3758), (148, 3914), (161, 4001), (162, 4004), (170, 4040), (179, 4091), (183, 4127), (192, 4208), (201, 4292), (202, 4295), (208, 4340), (209, 4352), (211, 4361), (221, 4409), (226, 4445), (233, 4487), (242, 4523), (247, 4562), (253, 4592),

Gene: GRU1_15 Start: 7260, Stop: 8837, Start Num: 26

Candidate Starts for GRU1_15:

(Start: 26 @7260 has 29 MA's), (71, 7536), (94, 7674), (126, 7872), (141, 7959), (157, 8076), (165, 8106), (180, 8187), (194, 8313), (195, 8328), (208, 8427), (212, 8451), (214, 8460), (221, 8496), (223, 8520), (238, 8604), (240, 8613), (246, 8658),

Gene: GTE5_16 Start: 8269, Stop: 9846, Start Num: 26

Candidate Starts for GTE5_16:

(Start: 26 @8269 has 29 MA's), (71, 8545), (94, 8683), (126, 8881), (141, 8968), (157, 9085), (165, 9115), (180, 9196), (194, 9322), (195, 9337), (208, 9436), (212, 9460), (214, 9469), (221, 9505), (223, 9529), (238, 9613), (240, 9622), (246, 9667),

Gene: GTE8_14 Start: 8211, Stop: 9800, Start Num: 26

Candidate Starts for GTE8_14:

(Start: 26 @8211 has 29 MA's), (27, 8217), (31, 8232), (Start: 42 @8295 has 9 MA's), (71, 8487), (80, 8565), (86, 8589), (92, 8619), (126, 8823), (132, 8850), (136, 8877), (147, 8964), (148, 8967), (157, 9039), (161, 9054), (165, 9069), (180, 9150), (185, 9183), (195, 9291), (208, 9390), (212, 9414), (214, 9423), (221, 9459), (223, 9483), (238, 9567), (240, 9576), (246, 9621),

Gene: GUmbie_3 Start: 2256, Stop: 3626, Start Num: 36

Candidate Starts for GUmbie_3:

(Start: 36 @2256 has 159 MA's), (Start: 41 @2289 has 2 MA's), (Start: 47 @2316 has 1 MA's), (48, 2325), (49, 2331), (50, 2334), (55, 2373), (64, 2436), (65, 2439), (66, 2442), (74, 2511), (75, 2517), (84, 2550), (85, 2559), (97, 2607), (109, 2667), (117, 2715), (125, 2760), (134, 2805), (137, 2832), (144, 2877), (147, 2898), (148, 2901), (149, 2904), (152, 2925), (153, 2934), (160, 2985), (161, 2988), (164, 2997), (170, 3027), (173, 3048), (183, 3117), (185, 3126), (189, 3177), (190, 3180), (196, 3240), (198,

3246), (206, 3324), (212, 3357), (215, 3369), (222, 3408), (225, 3432), (255, 3594),

Gene: Gagieri_29 Start: 15637, Stop: 17226, Start Num: 24

Candidate Starts for Gagieri_29:

(18, 15610), (Start: 24 @15637 has 8 MA's), (Start: 26 @15643 has 29 MA's), (28, 15652), (32, 15670), (33, 15673), (Start: 42 @15730 has 9 MA's), (56, 15823), (80, 15997), (81, 16003), (89, 16030), (102, 16123), (116, 16198), (117, 16207), (122, 16237), (136, 16306), (154, 16435), (157, 16456), (162, 16474), (165, 16486), (183, 16591), (187, 16618), (191, 16663), (192, 16675), (195, 16708), (205, 16786), (208, 16807), (212, 16831), (214, 16840), (220, 16864), (232, 16960), (238, 16984), (240, 16993), (243, 17017),

Gene: Galactic_3 Start: 2239, Stop: 3597, Start Num: 36

Candidate Starts for Galactic_3:

(Start: 36 @2239 has 159 MA's), (Start: 41 @2272 has 2 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (64, 2419), (65, 2422), (66, 2425), (74, 2494), (75, 2500), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (111, 2671), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (221, 3385), (222, 3391), (225, 3415), (250, 3559),

Gene: Gallia_21 Start: 12386, Stop: 14023, Start Num: 26

Candidate Starts for Gallia_21:

(Start: 26 @12386 has 29 MA's), (57, 12566), (63, 12608), (75, 12710), (80, 12734), (86, 12758), (94, 12794), (102, 12860), (121, 12968), (126, 13004), (131, 13031), (142, 13157), (165, 13289), (175, 13355), (185, 13415), (188, 13451), (195, 13523), (197, 13532), (199, 13544), (212, 13643), (216, 13661), (221, 13688), (236, 13784), (238, 13796), (239, 13802), (242, 13814), (246, 13850), (251, 13877), (257, 13889),

Gene: Gandalph_3 Start: 2291, Stop: 3625, Start Num: 42

Candidate Starts for Gandalph_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (193, 3209), (195, 3233), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Geeche_30 Start: 10263, Stop: 11879, Start Num: 20

Candidate Starts for Geeche_30:

(Start: 20 @10263 has 25 MA's), (32, 10314), (35, 10323), (46, 10383), (55, 10440), (61, 10476), (68, 10521), (72, 10548), (103, 10752), (110, 10782), (116, 10818), (123, 10863), (125, 10872), (127, 10887), (147, 11025), (148, 11028), (151, 11046), (152, 11052), (156, 11094), (184, 11286), (193, 11373), (196, 11403), (201, 11448), (208, 11496), (210, 11511), (222, 11574), (225, 11598), (226, 11604), (228, 11613), (242, 11682), (248, 11733), (249, 11736), (252, 11748),

Gene: Geralt_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Geralt_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212,

3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: GigiOuiOui_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for GigiOuiOui_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (193, 3209), (195, 3233), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (255, 3593),

Gene: Girr_3 Start: 2241, Stop: 3611, Start Num: 36

Candidate Starts for Girr_3:

(Start: 36 @2241 has 159 MA's), (Start: 42 @2277 has 9 MA's), (Start: 47 @2301 has 1 MA's), (48, 2310), (49, 2316), (50, 2319), (55, 2358), (65, 2424), (66, 2427), (74, 2496), (84, 2535), (85, 2544), (97, 2592), (109, 2652), (117, 2700), (125, 2745), (134, 2790), (137, 2817), (144, 2862), (147, 2883), (148, 2886), (149, 2889), (152, 2910), (153, 2919), (160, 2970), (161, 2973), (164, 2982), (170, 3012), (173, 3033), (183, 3102), (185, 3111), (189, 3162), (190, 3165), (196, 3225), (198, 3231), (206, 3309), (212, 3342), (215, 3354), (222, 3393), (225, 3417), (255, 3579),

Gene: Gorge_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for Gorge_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (172, 3029), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: Grimmer_4 Start: 2936, Stop: 4261, Start Num: 41

Candidate Starts for Grimmer_4:

(Start: 36 @2903 has 159 MA's), (Start: 41 @2936 has 2 MA's), (Start: 47 @2963 has 1 MA's), (48, 2972), (49, 2978), (50, 2981), (55, 3020), (64, 3083), (65, 3086), (66, 3089), (74, 3158), (75, 3164), (84, 3197), (85, 3206), (97, 3254), (109, 3314), (117, 3362), (125, 3407), (134, 3452), (137, 3479), (144, 3524), (147, 3545), (148, 3548), (149, 3551), (152, 3572), (153, 3581), (160, 3632), (161, 3635), (164, 3644), (170, 3674), (173, 3695), (183, 3764), (185, 3773), (189, 3824), (190, 3827), (196, 3887), (198, 3893), (212, 4004), (215, 4016), (221, 4049), (222, 4055), (225, 4079), (250, 4223),

Gene: GrootJr_27 Start: 14278, Stop: 15867, Start Num: 26

Candidate Starts for GrootJr_27:

(Start: 26 @14278 has 29 MA's), (27, 14284), (31, 14299), (Start: 42 @14362 has 9 MA's), (71, 14554), (80, 14632), (86, 14656), (92, 14686), (132, 14917), (148, 15034), (157, 15106), (161, 15121), (165, 15136), (180, 15217), (195, 15358), (208, 15457), (210, 15472), (212, 15481), (214, 15490), (221, 15526), (223, 15550), (238, 15634), (240, 15643), (246, 15688),

Gene: Guppsters_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Guppsters_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255,

3593),

Gene: Hades_3 Start: 2255, Stop: 3613, Start Num: 36

Candidate Starts for Hades_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575),

Gene: Hamulus_3 Start: 2256, Stop: 3626, Start Num: 36

Candidate Starts for Hamulus_3:

(Start: 36 @2256 has 159 MA's), (Start: 42 @2292 has 9 MA's), (Start: 47 @2316 has 1 MA's), (48, 2325), (49, 2331), (50, 2334), (55, 2373), (65, 2439), (66, 2442), (74, 2511), (84, 2550), (85, 2559), (97, 2607), (109, 2667), (117, 2715), (125, 2760), (134, 2805), (137, 2832), (144, 2877), (147, 2898), (148, 2901), (149, 2904), (152, 2925), (153, 2934), (160, 2985), (161, 2988), (164, 2997), (170, 3027), (173, 3048), (183, 3117), (185, 3126), (189, 3177), (190, 3180), (195, 3234), (196, 3240), (197, 3243), (198, 3246), (204, 3303), (212, 3357), (215, 3369), (221, 3402), (222, 3408), (225, 3432), (250, 3576), (255, 3594),

Gene: Harley_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for Harley_3:

(Start: 36 @2240 has 159 MA's), (Start: 41 @2273 has 2 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (64, 2420), (65, 2423), (66, 2426), (74, 2495), (75, 2501), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (111, 2672), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: Hlubikazi_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for Hlubikazi_3:

(Start: 36 @2240 has 159 MA's), (Start: 41 @2273 has 2 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (64, 2420), (65, 2423), (66, 2426), (74, 2495), (75, 2501), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (111, 2672), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: HomeFry_31 Start: 13323, Stop: 14900, Start Num: 26

Candidate Starts for HomeFry_31:

(Start: 26 @13323 has 29 MA's), (27, 13329), (28, 13332), (35, 13359), (Start: 42 @13410 has 9 MA's), (80, 13677), (117, 13887), (122, 13917), (154, 14118), (157, 14139), (159, 14145), (161, 14154), (165, 14169), (180, 14250), (192, 14358), (194, 14376), (195, 14391), (208, 14490), (212, 14514), (214, 14523), (221, 14559), (222, 14574), (223, 14583), (238, 14667), (245, 14715), (246, 14721), (262, 14865),

Gene: HubbaBubba_23 Start: 10808, Stop: 12430, Start Num: 17

Candidate Starts for HubbaBubba_23:

(Start: 17 @10808 has 7 MA's), (Start: 26 @10853 has 29 MA's), (35, 10886), (93, 11264), (107, 11357), (132, 11492), (140, 11537), (157, 11669), (165, 11699), (180, 11780), (191, 11876), (194, 11906), (195, 11921), (212, 12044), (214, 12053), (221, 12089), (223, 12113), (238, 12197), (240,

12206), (246, 12251),

Gene: IDyn_26 Start: 12204, Stop: 13826, Start Num: 17

Candidate Starts for IDyn_26:

(Start: 17 @12204 has 7 MA's), (Start: 26 @12249 has 29 MA's), (35, 12282), (93, 12660), (132, 12888), (140, 12933), (157, 13065), (165, 13095), (191, 13272), (194, 13302), (195, 13317), (212, 13440), (214, 13449), (221, 13485), (223, 13509), (238, 13593), (240, 13602), (246, 13647),

Gene: IMpilo_3 Start: 2292, Stop: 3614, Start Num: 42

Candidate Starts for IMpilo_3:

(Start: 36 @2256 has 159 MA's), (Start: 42 @2292 has 9 MA's), (Start: 47 @2316 has 1 MA's), (48, 2325), (49, 2331), (50, 2334), (55, 2373), (65, 2439), (66, 2442), (74, 2511), (84, 2550), (85, 2559), (97, 2607), (109, 2667), (117, 2715), (125, 2760), (134, 2805), (137, 2832), (144, 2877), (147, 2898), (148, 2901), (149, 2904), (152, 2925), (153, 2934), (160, 2985), (161, 2988), (164, 2997), (170, 3027), (173, 3048), (183, 3117), (185, 3126), (189, 3177), (190, 3180), (195, 3234), (196, 3240), (198, 3246), (204, 3303), (212, 3357), (215, 3369), (222, 3408), (225, 3432), (250, 3576),

Gene: IbOuu_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for IbOuu_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (250, 3559), (255, 3577),

Gene: Ibhubesi_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for Ibhubesi_3:

(Start: 36 @2240 has 159 MA's), (Start: 41 @2273 has 2 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (64, 2420), (65, 2423), (66, 2426), (74, 2495), (75, 2501), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (111, 2672), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: Inventum_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Inventum_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: IrishSherpFalk_3 Start: 2243, Stop: 3613, Start Num: 36

Candidate Starts for IrishSherpFalk_3:

(Start: 36 @2243 has 159 MA's), (Start: 42 @2279 has 9 MA's), (Start: 47 @2303 has 1 MA's), (48, 2312), (49, 2318), (50, 2321), (55, 2360), (65, 2426), (66, 2429), (74, 2498), (84, 2537), (85, 2546), (97, 2594), (109, 2654), (117, 2702), (125, 2747), (134, 2792), (137, 2819), (144, 2864), (147, 2885), (148, 2888), (149, 2891), (152, 2912), (153, 2921), (160, 2972), (161, 2975), (164, 2984), (170, 3014), (173, 3035), (183, 3104), (185, 3113), (189, 3164), (190, 3167), (196, 3227), (198, 3233), (212, 3344), (215, 3356), (221, 3389), (222, 3395), (225, 3419), (255, 3581),

Gene: James_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for James_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (53, 2348), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: Jant_3 Start: 2291, Stop: 3625, Start Num: 42

Candidate Starts for Jant_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Jacob_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for Jacob_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (255, 3578),

Gene: Jennelsea_3 Start: 2300, Stop: 3598, Start Num: 47

Candidate Starts for Jennelsea_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (111, 2672), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: Jifall16_24 Start: 14552, Stop: 16141, Start Num: 26

Candidate Starts for Jifall16_24:

(Start: 26 @14552 has 29 MA's), (27, 14558), (31, 14573), (34, 14582), (Start: 42 @14636 has 9 MA's), (71, 14828), (80, 14906), (86, 14930), (92, 14960), (126, 15164), (132, 15191), (136, 15218), (148, 15308), (157, 15380), (161, 15395), (165, 15410), (180, 15491), (195, 15632), (208, 15731), (210, 15746), (212, 15755), (214, 15764), (221, 15800), (223, 15824), (238, 15908), (240, 15917), (246, 15962),

Gene: Jinglebell_3 Start: 2249, Stop: 3607, Start Num: 36

Candidate Starts for Jinglebell_3:

(Start: 36 @2249 has 159 MA's), (Start: 41 @2282 has 2 MA's), (Start: 47 @2309 has 1 MA's), (48, 2318), (49, 2324), (50, 2327), (55, 2366), (65, 2432), (66, 2435), (74, 2504), (75, 2510), (84, 2543), (85, 2552), (97, 2600), (109, 2660), (117, 2708), (125, 2753), (134, 2798), (137, 2825), (144, 2870), (147, 2891), (148, 2894), (149, 2897), (152, 2918), (153, 2927), (160, 2978), (161, 2981), (164, 2990), (170, 3020), (173, 3041), (183, 3110), (185, 3119), (189, 3170), (190, 3173), (195, 3227), (196, 3233), (198, 3239), (206, 3317), (212, 3350), (215, 3362), (221, 3395), (222, 3401), (225, 3425), (250, 3569),

Gene: JoeyJr_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for JoeyJr_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: JonJames_31 Start: 14631, Stop: 16202, Start Num: 20

Candidate Starts for JonJames_31:

(13, 14547), (Start: 20 @14631 has 25 MA's), (32, 14682), (35, 14691), (55, 14808), (60, 14841), (68, 14889), (69, 14892), (71, 14907), (72, 14916), (79, 14976), (83, 14997), (96, 15054), (103, 15120), (105, 15126), (110, 15150), (115, 15183), (124, 15237), (125, 15240), (142, 15360), (151, 15414), (152, 15420), (161, 15483), (174, 15555), (177, 15591), (194, 15750), (196, 15771), (201, 15816), (204, 15834), (213, 15894), (216, 15906), (217, 15909), (247, 16089), (249, 16104), (253, 16119),

Gene: Juniper1_3 Start: 2275, Stop: 3597, Start Num: 42

Candidate Starts for Juniper1_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (64, 2419), (65, 2422), (66, 2425), (74, 2494), (75, 2500), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (212, 3340), (215, 3352), (221, 3385), (222, 3391), (225, 3415), (250, 3559),

Gene: Kabluna_28 Start: 13690, Stop: 15267, Start Num: 26

Candidate Starts for Kabluna_28:

(Start: 26 @13690 has 29 MA's), (27, 13696), (31, 13711), (32, 13714), (71, 13966), (80, 14044), (86, 14068), (120, 14269), (126, 14302), (132, 14329), (141, 14389), (162, 14524), (165, 14536), (180, 14617), (191, 14713), (195, 14758), (208, 14857), (212, 14881), (214, 14890), (223, 14950), (232, 15010), (236, 15022), (238, 15034), (240, 15043), (245, 15082),

Gene: Karhdo_3 Start: 2256, Stop: 3614, Start Num: 36

Candidate Starts for Karhdo_3:

(Start: 36 @2256 has 159 MA's), (Start: 42 @2292 has 9 MA's), (Start: 47 @2316 has 1 MA's), (48, 2325), (49, 2331), (50, 2334), (55, 2373), (65, 2439), (66, 2442), (74, 2511), (84, 2550), (85, 2559), (97, 2607), (109, 2667), (117, 2715), (125, 2760), (134, 2805), (137, 2832), (144, 2877), (147, 2898), (148, 2901), (149, 2904), (152, 2925), (153, 2934), (160, 2985), (161, 2988), (164, 2997), (170, 3027), (173, 3048), (183, 3117), (185, 3126), (189, 3177), (190, 3180), (195, 3234), (196, 3240), (197, 3243), (198, 3246), (204, 3303), (206, 3324), (212, 3357), (215, 3369), (222, 3408), (225, 3432), (250, 3576),

Gene: Kenuha5_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Kenuha5_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (111, 2687), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Kersh_3 Start: 2243, Stop: 3601, Start Num: 36

Candidate Starts for Kersh_3:

(Start: 36 @2243 has 159 MA's), (Start: 42 @2279 has 9 MA's), (Start: 47 @2303 has 1 MA's), (48, 2312), (49, 2318), (50, 2321), (55, 2360), (65, 2426), (66, 2429), (74, 2498), (84, 2537), (85, 2546), (97, 2594), (109, 2654), (117, 2702), (125, 2747), (134, 2792), (137, 2819), (144, 2864), (147, 2885), (148, 2888), (149, 2891), (152, 2912), (153, 2921), (160, 2972), (161, 2975), (164, 2984), (170, 3014), (173, 3035), (183, 3104), (185, 3113), (189, 3164), (190, 3167), (196, 3227), (198, 3233), (212, 3344), (215, 3356), (221, 3389), (222, 3395), (225, 3419), (250, 3563),

Gene: KidneyBean_25 Start: 14685, Stop: 16274, Start Num: 26

Candidate Starts for KidneyBean_25:

(Start: 26 @14685 has 29 MA's), (27, 14691), (31, 14706), (34, 14715), (Start: 42 @14769 has 9 MA's), (71, 14961), (80, 15039), (86, 15063), (92, 15093), (126, 15297), (132, 15324), (136, 15351), (148, 15441), (157, 15513), (161, 15528), (165, 15543), (180, 15624), (195, 15765), (208, 15864), (210, 15879), (212, 15888), (214, 15897), (221, 15933), (223, 15957), (238, 16041), (240, 16050), (246, 16095),

Gene: Kimchi1738_13 Start: 8378, Stop: 9940, Start Num: 29

Candidate Starts for Kimchi1738_13:

(Start: 24 @8363 has 8 MA's), (Start: 29 @8378 has 6 MA's), (39, 8441), (51, 8504), (59, 8564), (60, 8573), (62, 8582), (68, 8621), (77, 8699), (80, 8717), (101, 8837), (102, 8843), (112, 8906), (114, 8912), (135, 9026), (143, 9101), (147, 9125), (157, 9200), (161, 9215), (165, 9230), (183, 9335), (185, 9344), (195, 9452), (215, 9584), (224, 9647), (230, 9692), (241, 9737), (242, 9743), (244, 9770), (246, 9779), (248, 9794), (261, 9878),

Gene: KingJulian_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for KingJulian_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (255, 3593),

Gene: KingMidas_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for KingMidas_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: Koella_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for Koella_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (255, 3578),

Gene: Krakatau_4 Start: 2939, Stop: 4273, Start Num: 42

Candidate Starts for Krakatau_4:

(Start: 36 @2903 has 159 MA's), (Start: 42 @2939 has 9 MA's), (Start: 47 @2963 has 1 MA's), (48, 2972), (49, 2978), (50, 2981), (55, 3020), (65, 3086), (66, 3089), (74, 3158), (84, 3197), (85, 3206), (97, 3254), (109, 3314), (117, 3362), (125, 3407), (134, 3452), (137, 3479), (144, 3524), (147, 3545), (148, 3548), (149, 3551), (152, 3572), (153, 3581), (160, 3632), (161, 3635), (164, 3644), (170, 3674), (173, 3695), (183, 3764), (185, 3773), (189, 3824), (190, 3827), (196, 3887), (198, 3893), (206, 3971), (212, 4004), (215, 4016), (219, 4034), (222, 4055), (225, 4079), (255, 4241),

Gene: KristaRAM_4 Start: 2903, Stop: 4273, Start Num: 36

Candidate Starts for KristaRAM_4:

(Start: 36 @2903 has 159 MA's), (Start: 42 @2939 has 9 MA's), (Start: 47 @2963 has 1 MA's), (48, 2972), (49, 2978), (50, 2981), (55, 3020), (65, 3086), (66, 3089), (74, 3158), (84, 3197), (85, 3206), (97, 3254), (109, 3314), (117, 3362), (125, 3407), (134, 3452), (137, 3479), (144, 3524), (147, 3545), (148, 3548), (149, 3551), (152, 3572), (153, 3581), (160, 3632), (161, 3635), (164, 3644), (170, 3674), (173, 3695), (183, 3764), (185, 3773), (189, 3824), (190, 3827), (195, 3881), (196, 3887), (197, 3890), (198, 3893), (204, 3950), (212, 4004), (215, 4016), (221, 4049), (222, 4055), (225, 4079), (250, 4223), (255, 4241),

Gene: Kurt_25 Start: 14922, Stop: 16511, Start Num: 26

Candidate Starts for Kurt_25:

(Start: 26 @14922 has 29 MA's), (27, 14928), (31, 14943), (34, 14952), (Start: 42 @15006 has 9 MA's), (71, 15198), (80, 15276), (86, 15300), (92, 15330), (126, 15534), (132, 15561), (136, 15588), (148, 15678), (157, 15750), (161, 15765), (165, 15780), (180, 15861), (195, 16002), (208, 16101), (210, 16116), (212, 16125), (214, 16134), (221, 16170), (223, 16194), (238, 16278), (240, 16287), (246, 16332),

Gene: LastJedi_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for LastJedi_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (250, 3560),

Gene: Latretium_3 Start: 2239, Stop: 3597, Start Num: 36

Candidate Starts for Latretium_3:

(Start: 36 @2239 has 159 MA's), (Start: 41 @2272 has 2 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (64, 2419), (65, 2422), (66, 2425), (74, 2494), (75, 2500), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (111, 2671), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (221, 3385), (222, 3391), (225, 3415), (250, 3559),

Gene: Leperchaun_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for Leperchaun_3:

(Start: 36 @2240 has 159 MA's), (Start: 41 @2273 has 2 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (75, 2501), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: LilMoolah_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for LilMoolah_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (255, 3578),

Gene: Lizziana_3 Start: 2241, Stop: 3611, Start Num: 36

Candidate Starts for Lizziana_3:

(Start: 36 @2241 has 159 MA's), (Start: 42 @2277 has 9 MA's), (Start: 47 @2301 has 1 MA's), (48, 2310), (49, 2316), (50, 2319), (55, 2358), (65, 2424), (66, 2427), (74, 2496), (84, 2535), (85, 2544), (97, 2592), (109, 2652), (117, 2700), (125, 2745), (134, 2790), (137, 2817), (144, 2862), (147, 2883), (148, 2886), (149, 2889), (152, 2910), (153, 2919), (160, 2970), (161, 2973), (164, 2982), (170, 3012), (173, 3033), (183, 3102), (185, 3111), (189, 3162), (190, 3165), (196, 3225), (198, 3231), (206, 3309), (212, 3342), (215, 3354), (222, 3393), (225, 3417), (255, 3579),

Gene: Llama_3 Start: 2249, Stop: 3607, Start Num: 36

Candidate Starts for Llama_3:

(Start: 36 @2249 has 159 MA's), (Start: 41 @2282 has 2 MA's), (Start: 47 @2309 has 1 MA's), (48, 2318), (49, 2324), (50, 2327), (55, 2366), (65, 2432), (66, 2435), (74, 2504), (75, 2510), (84, 2543), (85, 2552), (97, 2600), (109, 2660), (117, 2708), (125, 2753), (134, 2798), (137, 2825), (144, 2870), (147, 2891), (148, 2894), (149, 2897), (152, 2918), (153, 2927), (160, 2978), (161, 2981), (164, 2990), (170, 3020), (173, 3041), (183, 3110), (185, 3119), (189, 3170), (190, 3173), (195, 3227), (196, 3233), (198, 3239), (206, 3317), (212, 3350), (215, 3362), (221, 3395), (222, 3401), (225, 3425), (250, 3569),

Gene: Llij_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Llij_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (255, 3593),

Gene: Lollipop1437_30 Start: 15534, Stop: 17117, Start Num: 25

Candidate Starts for Lollipop1437_30:

(Start: 25 @15534 has 6 MA's), (28, 15543), (Start: 42 @15621 has 9 MA's), (80, 15888), (99, 16002), (145, 16272), (157, 16356), (161, 16371), (165, 16386), (180, 16467), (195, 16608), (208, 16707), (212, 16731), (214, 16740), (223, 16800), (234, 16866), (238, 16884), (240, 16893), (246, 16938),

Gene: Lozinak_31 Start: 10444, Stop: 12060, Start Num: 20

Candidate Starts for Lozinak_31:

(Start: 20 @10444 has 25 MA's), (32, 10495), (35, 10504), (46, 10564), (55, 10621), (61, 10657), (68, 10702), (72, 10729), (103, 10933), (110, 10963), (116, 10999), (123, 11044), (125, 11053), (127, 11068), (147, 11206), (148, 11209), (151, 11227), (152, 11233), (156, 11275), (184, 11467), (193, 11554), (196, 11584), (201, 11629), (208, 11677), (210, 11692), (222, 11755), (225, 11779), (226, 11785), (228, 11794), (242, 11863), (248, 11914), (249, 11917), (252, 11929),

Gene: LunaBlu_3 Start: 2239, Stop: 3597, Start Num: 36

Candidate Starts for LunaBlu_3:

(Start: 36 @2239 has 159 MA's), (Start: 41 @2272 has 2 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (64, 2419), (65, 2422), (66, 2425), (74, 2494), (75, 2500), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (111, 2671), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (221, 3385), (222, 3391), (225, 3415), (250, 3559),

Gene: MacGully_33 Start: 15830, Stop: 17416, Start Num: 26

Candidate Starts for MacGully_33:

(Start: 26 @15830 has 29 MA's), (28, 15839), (40, 15911), (80, 16184), (81, 16190), (89, 16217), (100, 16301), (102, 16310), (103, 16319), (105, 16325), (106, 16328), (116, 16385), (126, 16442), (141, 16526), (147, 16568), (157, 16643), (165, 16673), (183, 16778), (187, 16805), (191, 16850), (195, 16895), (208, 16994), (212, 17018), (214, 17027), (220, 17051), (238, 17174), (243, 17207), (260, 17321),

Gene: MadMen_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for MadMen_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (255, 3593),

Gene: Mahavrat_3 Start: 2239, Stop: 3597, Start Num: 36

Candidate Starts for Mahavrat_3:

(Start: 36 @2239 has 159 MA's), (Start: 41 @2272 has 2 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (64, 2419), (65, 2422), (66, 2425), (74, 2494), (75, 2500), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (111, 2671), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (221, 3385), (222, 3391), (225, 3415), (250, 3559),

Gene: Mandlovu_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for Mandlovu_3:

(Start: 36 @2240 has 159 MA's), (Start: 41 @2273 has 2 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (64, 2420), (65, 2423), (66, 2426), (74, 2495), (75, 2501), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (111, 2672), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: Mantra_3 Start: 2315, Stop: 3625, Start Num: 47

Candidate Starts for Mantra_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (193, 3209), (195, 3233), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (255, 3593),

Gene: Maravista_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for Maravista_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (250, 3560),

Gene: Marietta_27 Start: 12175, Stop: 13752, Start Num: 26

Candidate Starts for Marietta_27:

(Start: 17 @12130 has 7 MA's), (Start: 26 @12175 has 29 MA's), (35, 12208), (93, 12586), (132, 12814), (140, 12859), (157, 12991), (165, 13021), (191, 13198), (194, 13228), (195, 13243), (212, 13366), (214, 13375), (221, 13411), (223, 13435), (238, 13519), (240, 13528), (246, 13573),

Gene: Martik_3 Start: 2241, Stop: 3611, Start Num: 36

Candidate Starts for Martik_3:

(Start: 36 @2241 has 159 MA's), (Start: 42 @2277 has 9 MA's), (Start: 47 @2301 has 1 MA's), (48, 2310), (49, 2316), (50, 2319), (55, 2358), (65, 2424), (66, 2427), (74, 2496), (84, 2535), (85, 2544), (97, 2592), (109, 2652), (117, 2700), (125, 2745), (134, 2790), (137, 2817), (144, 2862), (147, 2883), (148, 2886), (149, 2889), (152, 2910), (153, 2919), (160, 2970), (161, 2973), (164, 2982), (170, 3012), (173, 3033), (183, 3102), (185, 3111), (189, 3162), (190, 3165), (196, 3225), (198, 3231), (206, 3309), (212, 3342), (215, 3354), (222, 3393), (225, 3417), (255, 3579),

Gene: Maselop_29 Start: 15885, Stop: 17474, Start Num: 24

Candidate Starts for Maselop_29:

(18, 15858), (Start: 24 @15885 has 8 MA's), (Start: 26 @15891 has 29 MA's), (28, 15900), (32, 15918), (33, 15921), (Start: 42 @15978 has 9 MA's), (56, 16071), (80, 16245), (81, 16251), (102, 16371), (116, 16446), (117, 16455), (126, 16503), (154, 16683), (157, 16704), (162, 16722), (165, 16734), (183, 16839), (187, 16866), (191, 16911), (192, 16923), (195, 16956), (205, 17034), (208, 17055), (212, 17079), (214, 17088), (220, 17112), (238, 17232), (240, 17241), (243, 17265),

Gene: Mattes_3 Start: 2276, Stop: 3598, Start Num: 42

Candidate Starts for Mattes_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (53, 2348), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: Medindi_3 Start: 2292, Stop: 3614, Start Num: 42

Candidate Starts for Medindi_3:

(Start: 36 @2256 has 159 MA's), (Start: 42 @2292 has 9 MA's), (Start: 47 @2316 has 1 MA's), (48, 2325), (49, 2331), (50, 2334), (55, 2373), (65, 2439), (66, 2442), (74, 2511), (84, 2550), (85, 2559), (97, 2607), (109, 2667), (117, 2715), (125, 2760), (134, 2805), (137, 2832), (144, 2877), (147, 2898), (148, 2901), (149, 2904), (152, 2925), (153, 2934), (160, 2985), (161, 2988), (164, 2997), (170, 3027), (173, 3048), (183, 3117), (185, 3126), (189, 3177), (190, 3180), (195, 3234), (196, 3240), (197, 3243), (198, 3246), (204, 3303), (212, 3357), (215, 3369), (221, 3402), (222, 3408), (225, 3432), (250, 3576),

Gene: Melissauren88_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Melissauren88_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: MerCougar_26 Start: 14884, Stop: 16461, Start Num: 26

Candidate Starts for MerCougar_26:

(Start: 26 @14884 has 29 MA's), (27, 14890), (32, 14908), (Start: 42 @14968 has 9 MA's), (71, 15160), (80, 15238), (86, 15262), (120, 15463), (126, 15496), (141, 15583), (145, 15616), (162, 15718), (165, 15730), (180, 15811), (195, 15952), (208, 16051), (212, 16075), (214, 16084), (223, 16144), (238, 16228), (240, 16237),

Gene: MilanaBonita_4 Start: 2903, Stop: 4273, Start Num: 36

Candidate Starts for MilanaBonita_4:

(Start: 36 @2903 has 159 MA's), (Start: 42 @2939 has 9 MA's), (Start: 47 @2963 has 1 MA's), (48, 2972), (49, 2978), (50, 2981), (55, 3020), (65, 3086), (66, 3089), (74, 3158), (84, 3197), (85, 3206), (97, 3254), (109, 3314), (117, 3362), (125, 3407), (134, 3452), (137, 3479), (144, 3524), (147, 3545), (148, 3548), (149, 3551), (152, 3572), (153, 3581), (160, 3632), (161, 3635), (164, 3644), (170, 3674), (173, 3695), (183, 3764), (185, 3773), (189, 3824), (190, 3827), (195, 3881), (196, 3887), (198, 3893), (212, 4004), (215, 4016), (221, 4049), (222, 4055), (225, 4079), (250, 4223), (255, 4241),

Gene: MilleniumForce_4 Start: 2903, Stop: 4273, Start Num: 36

Candidate Starts for MilleniumForce_4:

(Start: 36 @2903 has 159 MA's), (Start: 42 @2939 has 9 MA's), (Start: 47 @2963 has 1 MA's), (48, 2972), (49, 2978), (50, 2981), (55, 3020), (65, 3086), (66, 3089), (74, 3158), (84, 3197), (85, 3206), (97, 3254), (109, 3314), (117, 3362), (125, 3407), (134, 3452), (137, 3479), (144, 3524), (147, 3545), (148, 3548), (149, 3551), (152, 3572), (153, 3581), (160, 3632), (161, 3635), (164, 3644), (170, 3674), (173, 3695), (183, 3764), (185, 3773), (189, 3824), (190, 3827), (193, 3857), (195, 3881), (196, 3887), (198, 3893), (204, 3950), (212, 4004), (215, 4016), (221, 4049), (222, 4055), (225, 4079), (250, 4223), (255, 4241),

Gene: MinionDave_4 Start: 2903, Stop: 4273, Start Num: 36

Candidate Starts for MinionDave_4:

(Start: 36 @2903 has 159 MA's), (Start: 42 @2939 has 9 MA's), (Start: 47 @2963 has 1 MA's), (48, 2972), (49, 2978), (50, 2981), (55, 3020), (65, 3086), (66, 3089), (74, 3158), (84, 3197), (85, 3206), (97, 3254), (109, 3314), (117, 3362), (125, 3407), (134, 3452), (137, 3479), (144, 3524), (147, 3545), (148, 3548), (149, 3551), (152, 3572), (153, 3581), (160, 3632), (161, 3635), (164, 3644), (170, 3674), (173, 3695), (183, 3764), (185, 3773), (189, 3824), (190, 3827), (195, 3881), (196, 3887), (197, 3890), (198, 3893), (204, 3950), (212, 4004), (215, 4016), (221, 4049), (222, 4055), (225, 4079), (250, 4223), (255, 4241),

Gene: Minnie_3 Start: 2291, Stop: 3625, Start Num: 42

Candidate Starts for Minnie_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (255, 3593),

Gene: Miskis_29 Start: 10219, Stop: 11835, Start Num: 20

Candidate Starts for Miskis_29:

(Start: 20 @10219 has 25 MA's), (32, 10270), (35, 10279), (46, 10339), (55, 10396), (61, 10432), (68, 10477), (72, 10504), (103, 10708), (110, 10738), (116, 10774), (123, 10819), (125, 10828), (127, 10843), (147, 10981), (148, 10984), (151, 11002), (152, 11008), (156, 11050), (184, 11242), (193, 11329), (196, 11359), (201, 11404), (208, 11452), (210, 11467), (222, 11530), (225, 11554), (226, 11560), (228, 11569), (242, 11638), (248, 11689), (249, 11692), (252, 11704),

Gene: MisterCuddles_3 Start: 2241, Stop: 3611, Start Num: 36

Candidate Starts for MisterCuddles_3:

(Start: 36 @2241 has 159 MA's), (Start: 42 @2277 has 9 MA's), (Start: 47 @2301 has 1 MA's), (48, 2310), (49, 2316), (50, 2319), (55, 2358), (65, 2424), (66, 2427), (74, 2496), (84, 2535), (85, 2544), (97, 2592), (109, 2652), (117, 2700), (125, 2745), (134, 2790), (137, 2817), (144, 2862), (147, 2883), (148, 2886), (149, 2889), (152, 2910), (153, 2919), (160, 2970), (161, 2973), (164, 2982), (170, 3012), (173, 3033), (183, 3102), (185, 3111), (189, 3162), (190, 3165), (196, 3225), (198, 3231), (206, 3309), (212, 3342), (215, 3354), (222, 3393), (225, 3417), (255, 3579),

Gene: Modragons_3 Start: 2249, Stop: 3607, Start Num: 36

Candidate Starts for Modragons_3:

(Start: 36 @2249 has 159 MA's), (Start: 41 @2282 has 2 MA's), (Start: 47 @2309 has 1 MA's), (48, 2318), (49, 2324), (50, 2327), (55, 2366), (65, 2432), (66, 2435), (74, 2504), (75, 2510), (84, 2543), (85, 2552), (97, 2600), (109, 2660), (117, 2708), (125, 2753), (134, 2798), (137, 2825), (144, 2870), (147, 2891), (148, 2894), (149, 2897), (152, 2918), (153, 2927), (160, 2978), (161, 2981), (164, 2990), (170, 3020), (173, 3041), (183, 3110), (185, 3119), (189, 3170), (190, 3173), (195, 3227), (196, 3233), (198, 3239), (206, 3317), (212, 3350), (215, 3362), (221, 3395), (222, 3401), (225, 3425), (250, 3569),

Gene: Mollymur_14 Start: 8741, Stop: 10309, Start Num: 20

Candidate Starts for Mollymur_14:

(Start: 20 @8741 has 25 MA's), (32, 8792), (51, 8894), (60, 8954), (61, 8957), (68, 9002), (82, 9107), (103, 9206), (104, 9209), (117, 9281), (119, 9287), (128, 9347), (142, 9440), (146, 9467), (147, 9473), (148, 9476), (152, 9500), (161, 9563), (169, 9602), (177, 9671), (192, 9809), (195, 9842), (196, 9848), (202, 9896), (205, 9920), (216, 9983), (227, 10055), (229, 10070), (242, 10127), (248, 10178), (249, 10181), (252, 10193),

Gene: Moonbeam_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for Moonbeam_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (193, 3194), (195, 3218), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (255, 3578),

Gene: Ms6_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Ms6_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: MulchSalad_3 Start: 2290, Stop: 3612, Start Num: 42

Candidate Starts for MulchSalad_3:

(Start: 36 @2254 has 159 MA's), (Start: 42 @2290 has 9 MA's), (Start: 47 @2314 has 1 MA's), (48, 2323), (49, 2329), (50, 2332), (55, 2371), (64, 2434), (65, 2437), (66, 2440), (74, 2509), (75, 2515), (84, 2548), (85, 2557), (97, 2605), (109, 2665), (111, 2686), (117, 2713), (125, 2758), (134, 2803), (137, 2830), (144, 2875), (147, 2896), (148, 2899), (149, 2902), (152, 2923), (153, 2932), (160, 2983), (161, 2986), (164, 2995), (170, 3025), (173, 3046), (183, 3115), (185, 3124), (189, 3175), (190, 3178), (196, 3238), (198, 3244), (212, 3355), (215, 3367), (221, 3400), (222, 3406), (225, 3430),

Gene: Mutaforma13_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Mutaforma13_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Mwanjiwa_3 Start: 2272, Stop: 3597, Start Num: 41

Candidate Starts for Mwanjiwa_3:

(Start: 36 @2239 has 159 MA's), (Start: 41 @2272 has 2 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (64, 2419), (65, 2422), (66, 2425), (74, 2494), (75, 2500), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (111, 2671), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (212, 3340), (215, 3352), (221, 3385), (222, 3391), (225, 3415), (250, 3559),

Gene: NadineRae_25 Start: 11379, Stop: 13001, Start Num: 17

Candidate Starts for NadineRae_25:

(7, 10932), (8, 10995), (10, 11043), (Start: 17 @11379 has 7 MA's), (Start: 26 @11424 has 29 MA's), (35, 11457), (107, 11928), (132, 12063), (140, 12108), (157, 12240), (165, 12270), (180, 12351), (191, 12447), (194, 12477), (195, 12492), (212, 12615), (214, 12624), (221, 12660), (223, 12684), (234, 12750), (238, 12768), (240, 12777), (246, 12822),

Gene: NatB6_25 Start: 13946, Stop: 15535, Start Num: 26

Candidate Starts for NatB6_25:

(Start: 26 @13946 has 29 MA's), (27, 13952), (31, 13967), (34, 13976), (Start: 42 @14030 has 9 MA's), (71, 14222), (80, 14300), (86, 14324), (92, 14354), (126, 14558), (132, 14585), (136, 14612), (148, 14702), (157, 14774), (161, 14789), (165, 14804), (180, 14885), (195, 15026), (208, 15125), (210, 15140), (212, 15149), (214, 15158), (221, 15194), (223, 15218), (238, 15302), (240, 15311), (246, 15356),

Gene: NewHope4_3 Start: 2239, Stop: 3597, Start Num: 36

Candidate Starts for NewHope4_3:

(Start: 36 @2239 has 159 MA's), (Start: 41 @2272 has 2 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (64, 2419), (65, 2422), (66, 2425), (74, 2494), (75, 2500), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (111, 2671), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (221, 3385), (222, 3391), (225, 3415), (250, 3559),

Gene: Nichirin_3 Start: 2282, Stop: 3607, Start Num: 41

Candidate Starts for Nichirin_3:

(Start: 36 @2249 has 159 MA's), (Start: 41 @2282 has 2 MA's), (Start: 47 @2309 has 1 MA's), (48, 2318), (49, 2324), (50, 2327), (55, 2366), (65, 2432), (66, 2435), (74, 2504), (75, 2510), (84, 2543), (85, 2552), (97, 2600), (109, 2660), (117, 2708), (125, 2753), (134, 2798), (137, 2825), (144, 2870), (147, 2891), (148, 2894), (149, 2897), (152, 2918), (153, 2927), (160, 2978), (161, 2981), (164, 2990), (170, 3020), (173, 3041), (183, 3110), (185, 3119), (189, 3170), (190, 3173), (195, 3227), (196, 3233), (198, 3239), (206, 3317), (212, 3350), (215, 3362), (221, 3395), (222, 3401), (225, 3425), (250, 3569),

Gene: Nimbo_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Nimbo_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: Nitzel_4 Start: 2903, Stop: 4261, Start Num: 36

Candidate Starts for Nitzel_4:

(Start: 36 @2903 has 159 MA's), (Start: 42 @2939 has 9 MA's), (Start: 47 @2963 has 1 MA's), (48, 2972), (49, 2978), (50, 2981), (55, 3020), (65, 3086), (66, 3089), (74, 3158), (84, 3197), (85, 3206), (97, 3254), (109, 3314), (117, 3362), (125, 3407), (134, 3452), (137, 3479), (144, 3524), (147, 3545), (148, 3548), (149, 3551), (152, 3572), (153, 3581), (160, 3632), (161, 3635), (164, 3644), (170, 3674), (173, 3695), (183, 3764), (185, 3773), (189, 3824), (190, 3827), (196, 3887), (198, 3893), (206, 3971), (212, 4004), (215, 4016), (221, 4049), (222, 4055), (225, 4079), (250, 4223),

Gene: Nivrat_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for Nivrat_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (255, 3578),

Gene: NormanBulbieJr_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for NormanBulbieJr_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (111, 2672), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: Norvs_32 Start: 10446, Stop: 12062, Start Num: 20

Candidate Starts for Norvs_32:

(Start: 20 @10446 has 25 MA's), (32, 10497), (35, 10506), (46, 10566), (55, 10623), (61, 10659), (68, 10704), (72, 10731), (103, 10935), (110, 10965), (116, 11001), (123, 11046), (125, 11055), (127, 11070), (147, 11208), (148, 11211), (151, 11229), (152, 11235), (156, 11277), (184, 11469), (193, 11556), (196, 11586), (201, 11631), (208, 11679), (210, 11694), (222, 11757), (225, 11781), (226, 11787), (228, 11796), (242, 11865), (248, 11916), (249, 11919), (252, 11931),

Gene: NosilaM_28 Start: 14569, Stop: 16146, Start Num: 26

Candidate Starts for NosilaM_28:

(Start: 26 @14569 has 29 MA's), (27, 14575), (31, 14590), (32, 14593), (71, 14845), (80, 14923), (86, 14947), (120, 15148), (126, 15181), (132, 15208), (141, 15268), (162, 15403), (165, 15415), (180, 15496), (191, 15592), (195, 15637), (208, 15736), (212, 15760), (214, 15769), (223, 15829), (232, 15889), (236, 15901), (238, 15913), (240, 15922),

Gene: NovumRegina_25 Start: 14277, Stop: 15866, Start Num: 26

Candidate Starts for NovumRegina_25:

(Start: 26 @14277 has 29 MA's), (27, 14283), (31, 14298), (Start: 42 @14361 has 9 MA's), (71, 14553), (80, 14631), (86, 14655), (92, 14685), (132, 14916), (148, 15033), (157, 15105), (161, 15120), (165, 15135), (180, 15216), (195, 15357), (208, 15456), (210, 15471), (212, 15480), (214, 15489), (221, 15525), (223, 15549), (238, 15633), (240, 15642), (246, 15687),

Gene: Ochi17_3 Start: 2249, Stop: 3607, Start Num: 36

Candidate Starts for Ochi17_3:

(Start: 36 @2249 has 159 MA's), (Start: 41 @2282 has 2 MA's), (Start: 47 @2309 has 1 MA's), (48, 2318), (49, 2324), (50, 2327), (55, 2366), (65, 2432), (66, 2435), (74, 2504), (75, 2510), (84, 2543), (85, 2552), (97, 2600), (109, 2660), (117, 2708), (125, 2753), (134, 2798), (137, 2825), (144, 2870), (147, 2891), (148, 2894), (149, 2897), (152, 2918), (153, 2927), (160, 2978), (161, 2981), (164, 2990), (170, 3020), (173, 3041), (183, 3110), (185, 3119), (189, 3170), (190, 3173), (195, 3227), (196, 3233), (198, 3239), (206, 3317), (212, 3350), (215, 3362), (221, 3395), (222, 3401), (225, 3425), (250, 3569),

Gene: OfUltron_3 Start: 2249, Stop: 3607, Start Num: 36

Candidate Starts for OfUltron_3:

(Start: 36 @2249 has 159 MA's), (Start: 41 @2282 has 2 MA's), (Start: 47 @2309 has 1 MA's), (48, 2318), (49, 2324), (50, 2327), (55, 2366), (65, 2432), (66, 2435), (74, 2504), (75, 2510), (84, 2543), (85, 2552), (97, 2600), (109, 2660), (117, 2708), (125, 2753), (134, 2798), (137, 2825), (144, 2870), (147, 2891), (148, 2894), (149, 2897), (152, 2918), (153, 2927), (160, 2978), (161, 2981), (164, 2990), (170, 3020), (173, 3041), (183, 3110), (185, 3119), (189, 3170), (190, 3173), (195, 3227), (196, 3233), (198, 3239), (206, 3317), (212, 3350), (215, 3362), (221, 3395), (222, 3401), (225, 3425), (250, 3569),

Gene: Okabe_5 Start: 2939, Stop: 4273, Start Num: 42

Candidate Starts for Okabe_5:

(Start: 36 @2903 has 159 MA's), (Start: 42 @2939 has 9 MA's), (Start: 47 @2963 has 1 MA's), (48, 2972), (49, 2978), (50, 2981), (55, 3020), (65, 3086), (66, 3089), (74, 3158), (84, 3197), (85, 3206), (97, 3254), (109, 3314), (117, 3362), (125, 3407), (134, 3452), (137, 3479), (144, 3524), (147, 3545), (148, 3548), (149, 3551), (152, 3572), (153, 3581), (160, 3632), (161, 3635), (164, 3644), (170, 3674), (173, 3695), (183, 3764), (185, 3773), (189, 3824), (190, 3827), (195, 3881), (196, 3887), (197, 3890), (198, 3893), (212, 4004), (215, 4016), (221, 4049), (222, 4055), (225, 4079), (250, 4223), (255, 4241),

Gene: OldBen_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for OldBen_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: OlympiaSaint_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for OlympiaSaint_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148,

2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (255, 3578),

Gene: OneUp_25 Start: 8258, Stop: 9868, Start Num: 20

Candidate Starts for OneUp_25:

(Start: 20 @8258 has 25 MA's), (32, 8309), (35, 8318), (55, 8435), (61, 8471), (68, 8516), (72, 8543), (103, 8747), (117, 8822), (125, 8867), (142, 8987), (148, 9023), (151, 9041), (152, 9047), (155, 9086), (156, 9089), (177, 9218), (196, 9398), (201, 9443), (208, 9491), (225, 9593), (226, 9599), (228, 9608), (242, 9677), (243, 9692), (248, 9728), (249, 9731), (252, 9743),

Gene: Outis_26 Start: 14578, Stop: 16155, Start Num: 26

Candidate Starts for Outis_26:

(Start: 26 @14578 has 29 MA's), (27, 14584), (32, 14602), (Start: 42 @14662 has 9 MA's), (71, 14854), (80, 14932), (86, 14956), (120, 15157), (126, 15190), (141, 15277), (145, 15310), (162, 15412), (165, 15424), (180, 15505), (195, 15646), (208, 15745), (212, 15769), (214, 15778), (223, 15838), (232, 15898), (238, 15922), (240, 15931),

Gene: Ovechkin_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Ovechkin_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: P1201_28 Start: 15559, Stop: 17196, Start Num: 26

Candidate Starts for P1201_28:

(Start: 26 @15559 has 29 MA's), (57, 15739), (63, 15781), (73, 15850), (75, 15883), (80, 15907), (86, 15931), (95, 15970), (126, 16177), (131, 16204), (142, 16330), (165, 16462), (173, 16510), (183, 16579), (185, 16588), (188, 16624), (195, 16696), (199, 16717), (212, 16816), (216, 16834), (238, 16969), (242, 16987), (246, 17023), (251, 17050), (257, 17062),

Gene: PHappiness_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for PHappiness_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: PMC_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for PMC_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (255, 3593),

Gene: Pacc40_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Pacc40_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: Patio_28 Start: 14770, Stop: 16353, Start Num: 25

Candidate Starts for Patio_28:

(Start: 25 @14770 has 6 MA's), (28, 14779), (Start: 42 @14857 has 9 MA's), (80, 15124), (99, 15238), (145, 15508), (157, 15592), (161, 15607), (165, 15622), (180, 15703), (195, 15844), (208, 15943), (212, 15967), (214, 15976), (223, 16036), (234, 16102), (238, 16120), (240, 16129), (246, 16174),

Gene: PatoPoderoso_3 Start: 2291, Stop: 3625, Start Num: 42

Candidate Starts for PatoPoderoso_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (255, 3593),

Gene: Pemberton_28 Start: 12143, Stop: 13720, Start Num: 26

Candidate Starts for Pemberton_28:

(Start: 17 @12098 has 7 MA's), (Start: 26 @12143 has 29 MA's), (32, 12167), (35, 12176), (132, 12782), (140, 12827), (157, 12959), (165, 12989), (191, 13166), (194, 13196), (195, 13211), (212, 13334), (214, 13343), (221, 13379), (223, 13403), (234, 13469), (238, 13487), (240, 13496), (246, 13541),

Gene: PeteyPab_13 Start: 8757, Stop: 10319, Start Num: 29

Candidate Starts for PeteyPab_13:

(Start: 24 @8742 has 8 MA's), (Start: 29 @8757 has 6 MA's), (39, 8820), (45, 8841), (51, 8883), (59, 8943), (60, 8952), (62, 8961), (68, 9000), (80, 9096), (101, 9216), (102, 9222), (112, 9285), (114, 9291), (135, 9405), (136, 9426), (143, 9480), (147, 9504), (157, 9579), (161, 9594), (165, 9609), (183, 9714), (185, 9723), (195, 9831), (215, 9963), (224, 10026), (230, 10071), (241, 10116), (242, 10122), (244, 10149), (246, 10158), (248, 10173), (261, 10257),

Gene: Phalconet_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Phalconet_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Phanphagia_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Phanphagia_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148,

2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Phasih_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Phasih_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Phatniss_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for Phatniss_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (193, 3194), (195, 3218), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (250, 3560), (255, 3578),

Gene: PhesterPhotato_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for PhesterPhotato_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Philus_3 Start: 2276, Stop: 3610, Start Num: 42

Candidate Starts for Philus_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (255, 3578),

Gene: PhinkBoden_31 Start: 10827, Stop: 12443, Start Num: 20

Candidate Starts for PhinkBoden_31:

(Start: 20 @10827 has 25 MA's), (32, 10878), (35, 10887), (46, 10947), (55, 11004), (61, 11040), (68, 11085), (72, 11112), (103, 11316), (110, 11346), (116, 11382), (123, 11427), (125, 11436), (127, 11451), (147, 11589), (148, 11592), (151, 11610), (152, 11616), (156, 11658), (184, 11850), (193, 11937), (196, 11967), (201, 12012), (208, 12060), (210, 12075), (222, 12138), (225, 12162), (226, 12168), (228, 12177), (242, 12246), (248, 12297), (249, 12300), (252, 12312),

Gene: PhlipPhlop_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for PhlipPhlop_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97,

2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (255, 3593),

Gene: Phomeo_24 Start: 14572, Stop: 16161, Start Num: 26

Candidate Starts for Phomeo_24:

(Start: 26 @14572 has 29 MA's), (27, 14578), (31, 14593), (34, 14602), (Start: 42 @14656 has 9 MA's), (71, 14848), (80, 14926), (86, 14950), (92, 14980), (126, 15184), (132, 15211), (136, 15238), (148, 15328), (157, 15400), (161, 15415), (165, 15430), (180, 15511), (195, 15652), (208, 15751), (210, 15766), (212, 15775), (214, 15784), (221, 15820), (223, 15844), (238, 15928), (240, 15937), (246, 15982),

Gene: Pippy_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for Pippy_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (111, 2672), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: Pleakley_34 Start: 14655, Stop: 16232, Start Num: 26

Candidate Starts for Pleakley_34:

(Start: 26 @14655 has 29 MA's), (27, 14661), (28, 14664), (35, 14691), (Start: 42 @14742 has 9 MA's), (80, 15009), (114, 15204), (117, 15219), (126, 15267), (157, 15471), (161, 15486), (165, 15501), (180, 15582), (191, 15678), (192, 15690), (195, 15723), (208, 15822), (212, 15846), (214, 15855), (221, 15891), (222, 15906), (223, 15915), (238, 15999), (245, 16047), (246, 16053),

Gene: Poenanya_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Poenanya_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: Polka14_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for Polka14_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (53, 2348), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (255, 3578),

Gene: Polyuki_29 Start: 15877, Stop: 17466, Start Num: 24

Candidate Starts for Polyuki_29:

(18, 15850), (Start: 24 @15877 has 8 MA's), (Start: 26 @15883 has 29 MA's), (28, 15892), (32, 15910), (33, 15913), (Start: 42 @15970 has 9 MA's), (50, 16012), (56, 16063), (80, 16237), (81, 16243), (102, 16363), (116, 16438), (117, 16447), (126, 16495), (154, 16675), (157, 16696), (162, 16714), (165, 16726), (183, 16831), (187, 16858), (191, 16903), (192, 16915), (195, 16948), (205, 17026), (208,

17047), (212, 17071), (214, 17080), (220, 17104), (238, 17224), (240, 17233), (243, 17257),

Gene: PopTart_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for PopTart_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: PotatoChip_13 Start: 8759, Stop: 10321, Start Num: 29

Candidate Starts for PotatoChip_13:

(Start: 24 @8744 has 8 MA's), (Start: 29 @8759 has 6 MA's), (39, 8822), (45, 8843), (51, 8885), (59, 8945), (60, 8954), (62, 8963), (68, 9002), (80, 9098), (101, 9218), (102, 9224), (112, 9287), (114, 9293), (135, 9407), (136, 9428), (143, 9482), (147, 9506), (157, 9581), (161, 9596), (165, 9611), (183, 9716), (185, 9725), (195, 9833), (215, 9965), (224, 10028), (230, 10073), (241, 10118), (242, 10124), (244, 10151), (246, 10160), (248, 10175), (261, 10259),

Gene: Priscilla_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for Priscilla_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (255, 3578),

Gene: QuickMath_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for QuickMath_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Radiance_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Radiance_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: RedBird_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for RedBird_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212,

3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: RedRaider_32 Start: 16783, Stop: 18366, Start Num: 25

Candidate Starts for RedRaider_32:

(Start: 25 @16783 has 6 MA's), (28, 16792), (Start: 42 @16870 has 9 MA's), (80, 17137), (99, 17251), (126, 17395), (145, 17521), (157, 17605), (165, 17635), (180, 17716), (185, 17749), (195, 17857), (208, 17956), (212, 17980), (214, 17989), (223, 18049), (234, 18115), (238, 18133), (240, 18142), (245, 18181), (246, 18187),

Gene: Rita_3 Start: 2256, Stop: 3626, Start Num: 36

Candidate Starts for Rita_3:

(Start: 36 @2256 has 159 MA's), (Start: 42 @2292 has 9 MA's), (Start: 47 @2316 has 1 MA's), (48, 2325), (49, 2331), (50, 2334), (55, 2373), (65, 2439), (66, 2442), (74, 2511), (84, 2550), (85, 2559), (97, 2607), (109, 2667), (117, 2715), (125, 2760), (134, 2805), (137, 2832), (144, 2877), (147, 2898), (148, 2901), (149, 2904), (152, 2925), (153, 2934), (160, 2985), (161, 2988), (164, 2997), (170, 3027), (173, 3048), (183, 3117), (185, 3126), (189, 3177), (190, 3180), (195, 3234), (196, 3240), (198, 3246), (212, 3357), (215, 3369), (221, 3402), (222, 3408), (225, 3432), (250, 3576), (255, 3594),

Gene: RitaG_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for RitaG_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: Rockne_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Rockne_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (255, 3593),

Gene: Royals2015_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Royals2015_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Ruby_3 Start: 2241, Stop: 3611, Start Num: 36

Candidate Starts for Ruby_3:

(Start: 36 @2241 has 159 MA's), (Start: 42 @2277 has 9 MA's), (Start: 47 @2301 has 1 MA's), (48, 2310), (49, 2316), (50, 2319), (55, 2358), (65, 2424), (66, 2427), (74, 2496), (84, 2535), (85, 2544), (97, 2592), (109, 2652), (117, 2700), (125, 2745), (134, 2790), (137, 2817), (144, 2862), (147, 2883), (148, 2886), (149, 2889), (152, 2910), (153, 2919), (160, 2970), (161, 2973), (164, 2982), (170, 3012), (173, 3033), (183, 3102), (185, 3111), (189, 3162), (190, 3165), (196, 3225), (198, 3231), (206, 3309), (212, 3342), (215, 3354), (222, 3393), (225, 3417), (255, 3579),

Gene: SG4_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for SG4_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: SPB78_3 Start: 2124, Stop: 3551, Start Num: 30

Candidate Starts for SPB78_3:

(30, 2124), (38, 2163), (55, 2250), (65, 2316), (72, 2358), (90, 2454), (93, 2475), (125, 2646), (139, 2727), (147, 2781), (150, 2799), (152, 2808), (155, 2841), (163, 2868), (166, 2877), (168, 2886), (182, 3012), (193, 3108), (194, 3117), (200, 3177), (203, 3195), (211, 3252), (212, 3255), (218, 3282), (222, 3309), (230, 3369), (237, 3396), (241, 3411), (243, 3432), (258, 3501),

Gene: Saal_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for Saal_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (172, 3029), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: Sabbb_3 Start: 2255, Stop: 3613, Start Num: 36

Candidate Starts for Sabbb_3:

(Start: 36 @2255 has 159 MA's), (Start: 41 @2288 has 2 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (64, 2435), (65, 2438), (66, 2441), (74, 2510), (75, 2516), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (111, 2687), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575),

Gene: Sandalphon_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Sandalphon_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (255, 3593),

Gene: Sassafra_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Sassafra_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212,

3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: SassyB_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for SassyB_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Scottish_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Scottish_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: Scuba_34 Start: 14742, Stop: 16319, Start Num: 26

Candidate Starts for Scuba_34:

(Start: 26 @14742 has 29 MA's), (27, 14748), (28, 14751), (35, 14778), (Start: 42 @14829 has 9 MA's), (80, 15096), (117, 15306), (126, 15354), (157, 15558), (161, 15573), (165, 15588), (180, 15669), (184, 15699), (191, 15765), (192, 15777), (195, 15810), (208, 15909), (212, 15933), (214, 15942), (221, 15978), (222, 15993), (223, 16002), (238, 16086), (245, 16134), (246, 16140),

Gene: SeaLumen_3 Start: 2272, Stop: 3597, Start Num: 41

Candidate Starts for SeaLumen_3:

(Start: 36 @2239 has 159 MA's), (Start: 41 @2272 has 2 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (64, 2419), (65, 2422), (66, 2425), (74, 2494), (75, 2500), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (111, 2671), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (221, 3385), (222, 3391), (225, 3415), (250, 3559),

Gene: Seabastian_3 Start: 2249, Stop: 3607, Start Num: 36

Candidate Starts for Seabastian_3:

(Start: 36 @2249 has 159 MA's), (Start: 41 @2282 has 2 MA's), (Start: 47 @2309 has 1 MA's), (48, 2318), (49, 2324), (50, 2327), (55, 2366), (65, 2432), (66, 2435), (74, 2504), (75, 2510), (84, 2543), (85, 2552), (97, 2600), (109, 2660), (117, 2708), (125, 2753), (134, 2798), (137, 2825), (144, 2870), (147, 2891), (148, 2894), (149, 2897), (152, 2918), (153, 2927), (160, 2978), (161, 2981), (164, 2990), (170, 3020), (173, 3041), (183, 3110), (185, 3119), (189, 3170), (190, 3173), (195, 3227), (196, 3233), (198, 3239), (206, 3317), (212, 3350), (215, 3362), (221, 3395), (222, 3401), (225, 3425), (250, 3569),

Gene: Shauna1_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Shauna1_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (204,

3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: ShiLan_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for ShiLan_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (255, 3578),

Gene: ShowerHandel_3 Start: 2241, Stop: 3611, Start Num: 36

Candidate Starts for ShowerHandel_3:

(Start: 36 @2241 has 159 MA's), (Start: 42 @2277 has 9 MA's), (Start: 47 @2301 has 1 MA's), (48, 2310), (49, 2316), (50, 2319), (55, 2358), (65, 2424), (66, 2427), (74, 2496), (84, 2535), (85, 2544), (97, 2592), (109, 2652), (117, 2700), (125, 2745), (134, 2790), (137, 2817), (144, 2862), (147, 2883), (148, 2886), (149, 2889), (152, 2910), (153, 2919), (160, 2970), (161, 2973), (164, 2982), (170, 3012), (173, 3033), (183, 3102), (185, 3111), (189, 3162), (190, 3165), (196, 3225), (198, 3231), (206, 3309), (212, 3342), (215, 3354), (222, 3393), (225, 3417), (255, 3579),

Gene: ShroomBoi_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for ShroomBoi_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: SiSi_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for SiSi_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (193, 3194), (195, 3218), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (250, 3560), (255, 3578),

Gene: Skysand_27 Start: 14990, Stop: 16573, Start Num: 25

Candidate Starts for Skysand_27:

(Start: 25 @14990 has 6 MA's), (28, 14999), (Start: 42 @15077 has 9 MA's), (80, 15344), (99, 15458), (145, 15728), (157, 15812), (161, 15827), (165, 15842), (180, 15923), (192, 16031), (195, 16064), (208, 16163), (212, 16187), (214, 16196), (223, 16256), (234, 16322), (238, 16340), (240, 16349), (246, 16394), (248, 16409),

Gene: Smoothie_32 Start: 10444, Stop: 12060, Start Num: 20

Candidate Starts for Smoothie_32:

(Start: 20 @10444 has 25 MA's), (32, 10495), (35, 10504), (46, 10564), (55, 10621), (61, 10657), (68, 10702), (72, 10729), (103, 10933), (110, 10963), (116, 10999), (123, 11044), (125, 11053), (127, 11068), (147, 11206), (148, 11209), (151, 11227), (152, 11233), (156, 11275), (184, 11467), (193, 11554), (196, 11584), (201, 11629), (208, 11677), (210, 11692), (222, 11755), (225, 11779), (226, 11785), (228, 11794), (242, 11863), (248, 11914), (249, 11917), (252, 11929),

Gene: Sparkdehlily_3 Start: 2256, Stop: 3626, Start Num: 36

Candidate Starts for Sparkdehlily_3:

(Start: 36 @2256 has 159 MA's), (Start: 42 @2292 has 9 MA's), (Start: 47 @2316 has 1 MA's), (48, 2325), (49, 2331), (50, 2334), (55, 2373), (65, 2439), (66, 2442), (74, 2511), (84, 2550), (85, 2559), (97, 2607), (109, 2667), (117, 2715), (125, 2760), (134, 2805), (137, 2832), (144, 2877), (147, 2898), (148, 2901), (149, 2904), (152, 2925), (153, 2934), (160, 2985), (161, 2988), (164, 2997), (170, 3027), (173, 3048), (183, 3117), (185, 3126), (189, 3177), (190, 3180), (195, 3234), (196, 3240), (197, 3243), (198, 3246), (204, 3303), (212, 3357), (215, 3369), (221, 3402), (222, 3408), (225, 3432), (250, 3576), (255, 3594),

Gene: Spartacus_3 Start: 2243, Stop: 3613, Start Num: 36

Candidate Starts for Spartacus_3:

(Start: 36 @2243 has 159 MA's), (Start: 42 @2279 has 9 MA's), (Start: 47 @2303 has 1 MA's), (48, 2312), (49, 2318), (50, 2321), (55, 2360), (65, 2426), (66, 2429), (74, 2498), (84, 2537), (85, 2546), (97, 2594), (109, 2654), (117, 2702), (125, 2747), (134, 2792), (137, 2819), (144, 2864), (147, 2885), (148, 2888), (149, 2891), (152, 2912), (153, 2921), (160, 2972), (161, 2975), (164, 2984), (170, 3014), (173, 3035), (183, 3104), (185, 3113), (189, 3164), (190, 3167), (196, 3227), (198, 3233), (212, 3344), (215, 3356), (221, 3389), (222, 3395), (225, 3419), (255, 3581),

Gene: SpeedDemon_140 Start: 8140, Stop: 9699, Start Num: 20

Candidate Starts for SpeedDemon_140:

(4, 7426), (5, 7432), (6, 7645), (9, 7774), (11, 7834), (12, 7837), (Start: 20 @8140 has 25 MA's), (61, 8356), (68, 8401), (82, 8506), (103, 8605), (104, 8608), (110, 8635), (121, 8704), (142, 8839), (147, 8872), (148, 8875), (152, 8899), (158, 8950), (177, 9070), (186, 9145), (192, 9208), (196, 9247), (202, 9295), (205, 9319), (216, 9382), (227, 9454), (229, 9469), (242, 9526), (247, 9565), (248, 9577), (249, 9580), (253, 9595), (256, 9604),

Gene: Spoonbill_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for Spoonbill_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (255, 3578),

Gene: StAnnes_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for StAnnes_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: StarStruck_26 Start: 14578, Stop: 16155, Start Num: 26

Candidate Starts for StarStruck_26:

(Start: 26 @14578 has 29 MA's), (27, 14584), (32, 14602), (Start: 42 @14662 has 9 MA's), (71, 14854), (80, 14932), (86, 14956), (120, 15157), (126, 15190), (141, 15277), (145, 15310), (162, 15412), (165, 15424), (180, 15505), (195, 15646), (208, 15745), (212, 15769), (214, 15778), (223, 15838), (232, 15898), (238, 15922), (240, 15931),

Gene: Stickynote_15 Start: 9569, Stop: 11131, Start Num: 29

Candidate Starts for Stickynote_15:

(Start: 24 @9554 has 8 MA's), (Start: 29 @9569 has 6 MA's), (39, 9632), (45, 9653), (51, 9695), (59, 9755), (60, 9764), (62, 9773), (80, 9908), (101, 10028), (102, 10034), (112, 10097), (114, 10103), (135, 10217), (136, 10238), (143, 10292), (147, 10316), (157, 10391), (161, 10406), (165, 10421), (183, 10526), (185, 10535), (195, 10643), (215, 10775), (224, 10838), (230, 10883), (241, 10928), (242, 10934), (244, 10961), (246, 10970), (248, 10985), (261, 11069),

Gene: Strokeseat_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for Strokeseat_3:

(Start: 36 @2240 has 159 MA's), (Start: 41 @2273 has 2 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (64, 2420), (65, 2423), (66, 2426), (74, 2495), (75, 2501), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (111, 2672), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: Sukkupi_27 Start: 13681, Stop: 15303, Start Num: 17

Candidate Starts for Sukkupi_27:

(Start: 17 @13681 has 7 MA's), (Start: 26 @13726 has 29 MA's), (32, 13750), (35, 13759), (132, 14365), (140, 14410), (157, 14542), (165, 14572), (180, 14653), (191, 14749), (194, 14779), (195, 14794), (212, 14917), (214, 14926), (221, 14962), (223, 14986), (234, 15052), (238, 15070), (240, 15079), (246, 15124),

Gene: SuperGrey_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for SuperGrey_3:

(Start: 36 @2255 has 159 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (64, 2435), (65, 2438), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: SuperSulley_26 Start: 14757, Stop: 16334, Start Num: 26

Candidate Starts for SuperSulley_26:

(Start: 26 @14757 has 29 MA's), (27, 14763), (31, 14778), (32, 14781), (71, 15033), (80, 15111), (86, 15135), (120, 15336), (126, 15369), (132, 15396), (141, 15456), (162, 15591), (165, 15603), (180, 15684), (191, 15780), (195, 15825), (208, 15924), (212, 15948), (214, 15957), (223, 16017), (232, 16077), (236, 16089), (238, 16101), (240, 16110), (245, 16149),

Gene: SwagPiggett_3 Start: 2241, Stop: 3611, Start Num: 36

Candidate Starts for SwagPiggett_3:

(Start: 36 @2241 has 159 MA's), (Start: 42 @2277 has 9 MA's), (Start: 47 @2301 has 1 MA's), (48, 2310), (49, 2316), (50, 2319), (55, 2358), (65, 2424), (66, 2427), (74, 2496), (84, 2535), (85, 2544), (97, 2592), (109, 2652), (117, 2700), (125, 2745), (134, 2790), (137, 2817), (144, 2862), (147, 2883), (148, 2886), (149, 2889), (152, 2910), (153, 2919), (160, 2970), (161, 2973), (164, 2982), (170, 3012), (173, 3033), (183, 3102), (185, 3111), (189, 3162), (190, 3165), (196, 3225), (198, 3231), (206, 3309), (212, 3342), (215, 3354), (222, 3393), (225, 3417), (255, 3579),

Gene: TDanisky_3 Start: 2256, Stop: 3626, Start Num: 36

Candidate Starts for TDanisky_3:

(Start: 36 @2256 has 159 MA's), (Start: 42 @2292 has 9 MA's), (Start: 47 @2316 has 1 MA's), (48, 2325), (49, 2331), (50, 2334), (55, 2373), (65, 2439), (66, 2442), (74, 2511), (84, 2550), (85, 2559), (97, 2607), (109, 2667), (117, 2715), (125, 2760), (134, 2805), (137, 2832), (144, 2877), (147, 2898), (148, 2901), (149, 2904), (152, 2925), (153, 2934), (160, 2985), (161, 2988), (164, 2997), (170, 3027), (173, 3048), (183, 3117), (185, 3126), (189, 3177), (190, 3180), (195, 3234), (196, 3240), (197, 3243), (198, 3246), (204, 3303), (212, 3357), (215, 3369), (221, 3402), (222, 3408), (225, 3432), (250, 3576), (255, 3594),

Gene: Taj_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Taj_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Toniann_31 Start: 10389, Stop: 12005, Start Num: 20

Candidate Starts for Toniann_31:

(Start: 20 @10389 has 25 MA's), (32, 10440), (35, 10449), (46, 10509), (55, 10566), (61, 10602), (68, 10647), (72, 10674), (103, 10878), (110, 10908), (116, 10944), (123, 10989), (125, 10998), (127, 11013), (147, 11151), (148, 11154), (151, 11172), (152, 11178), (156, 11220), (184, 11412), (193, 11499), (196, 11529), (201, 11574), (208, 11622), (210, 11637), (222, 11700), (225, 11724), (226, 11730), (228, 11739), (242, 11808), (248, 11859), (249, 11862), (252, 11874),

Gene: Topiatin_5 Start: 2903, Stop: 4273, Start Num: 36

Candidate Starts for Topiatin_5:

(Start: 36 @2903 has 159 MA's), (Start: 42 @2939 has 9 MA's), (Start: 47 @2963 has 1 MA's), (48, 2972), (49, 2978), (50, 2981), (55, 3020), (65, 3086), (66, 3089), (74, 3158), (84, 3197), (85, 3206), (97, 3254), (109, 3314), (117, 3362), (125, 3407), (134, 3452), (137, 3479), (144, 3524), (147, 3545), (148, 3548), (149, 3551), (152, 3572), (153, 3581), (160, 3632), (161, 3635), (164, 3644), (170, 3674), (173, 3695), (183, 3764), (185, 3773), (189, 3824), (190, 3827), (196, 3887), (198, 3893), (206, 3971), (212, 4004), (215, 4016), (222, 4055), (225, 4079), (255, 4241),

Gene: Towmatter_12 Start: 6567, Stop: 8132, Start Num: 20

Candidate Starts for Towmatter_12:

(Start: 20 @6567 has 25 MA's), (32, 6618), (61, 6783), (68, 6828), (76, 6903), (77, 6906), (82, 6933), (98, 7014), (103, 7032), (104, 7035), (119, 7113), (123, 7143), (142, 7266), (152, 7326), (161, 7389), (177, 7497), (192, 7635), (196, 7674), (202, 7722), (205, 7746), (216, 7809), (232, 7914), (242, 7953), (248, 8004), (249, 8007), (252, 8019),

Gene: Tracker_25 Start: 13700, Stop: 15289, Start Num: 26

Candidate Starts for Tracker_25:

(Start: 26 @13700 has 29 MA's), (27, 13706), (31, 13721), (34, 13730), (Start: 42 @13784 has 9 MA's), (71, 13976), (80, 14054), (86, 14078), (92, 14108), (126, 14312), (132, 14339), (136, 14366), (148, 14456), (157, 14528), (161, 14543), (165, 14558), (180, 14639), (195, 14780), (208, 14879), (210, 14894), (212, 14903), (214, 14912), (221, 14948), (223, 14972), (238, 15056), (240, 15065), (246, 15110),

Gene: Turuncu_29 Start: 15070, Stop: 16647, Start Num: 26

Candidate Starts for Turuncu_29:

(Start: 26 @15070 has 29 MA's), (71, 15346), (126, 15682), (141, 15769), (157, 15886), (165, 15916), (180, 15997), (195, 16138), (208, 16237), (212, 16261), (214, 16270), (221, 16306), (223, 16330),

(238, 16414), (240, 16423), (246, 16468),

Gene: Tweety_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Tweety_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (206, 3323), (212, 3356), (215, 3368), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: VRedHorse_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for VRedHorse_3:

(Start: 36 @2240 has 159 MA's), (Start: 41 @2273 has 2 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (64, 2420), (65, 2423), (66, 2426), (74, 2495), (75, 2501), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (111, 2672), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (195, 3218), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (250, 3560), (255, 3578),

Gene: VWB_3 Start: 2318, Stop: 3622, Start Num: 54

Candidate Starts for VWB_3:

(30, 2189), (54, 2318), (69, 2405), (72, 2429), (85, 2510), (87, 2519), (90, 2525), (93, 2546), (106, 2609), (117, 2672), (119, 2678), (125, 2717), (139, 2798), (144, 2828), (146, 2846), (150, 2870), (161, 2933), (168, 2957), (179, 3041), (181, 3065), (182, 3083), (192, 3170), (193, 3179), (204, 3272), (205, 3281), (211, 3323), (218, 3353), (222, 3380), (225, 3404), (226, 3410), (237, 3467), (243, 3503), (244, 3515), (259, 3590),

Gene: Veteran_3 Start: 2256, Stop: 3626, Start Num: 36

Candidate Starts for Veteran_3:

(Start: 36 @2256 has 159 MA's), (Start: 41 @2289 has 2 MA's), (Start: 47 @2316 has 1 MA's), (48, 2325), (49, 2331), (50, 2334), (55, 2373), (64, 2436), (65, 2439), (66, 2442), (74, 2511), (75, 2517), (84, 2550), (85, 2559), (97, 2607), (109, 2667), (117, 2715), (125, 2760), (134, 2805), (137, 2832), (144, 2877), (147, 2898), (148, 2901), (149, 2904), (152, 2925), (153, 2934), (160, 2985), (161, 2988), (164, 2997), (170, 3027), (173, 3048), (183, 3117), (185, 3126), (189, 3177), (190, 3180), (196, 3240), (198, 3246), (206, 3324), (212, 3357), (215, 3369), (222, 3408), (225, 3432), (255, 3594),

Gene: Violac_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Violac_3:

(Start: 36 @2239 has 159 MA's), (Start: 41 @2272 has 2 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (64, 2419), (65, 2422), (66, 2425), (74, 2494), (75, 2500), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (212, 3340), (215, 3352), (221, 3385), (222, 3391), (225, 3415), (255, 3577),

Gene: Vivum_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for Vivum_3:

(Start: 36 @2240 has 159 MA's), (Start: 41 @2273 has 2 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (172,

3029), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (255, 3578),

Gene: Wachhund_3 Start: 2240, Stop: 3598, Start Num: 36

Candidate Starts for Wachhund_3:

(Start: 36 @2240 has 159 MA's), (Start: 41 @2273 has 2 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (64, 2420), (65, 2423), (66, 2426), (74, 2495), (75, 2501), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (111, 2672), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (193, 3194), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: Wee_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Wee_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Whatsapiecost_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for Whatsapiecost_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (197, 3242), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Wheezy_25 Start: 13903, Stop: 15492, Start Num: 26

Candidate Starts for Wheezy_25:

(Start: 26 @13903 has 29 MA's), (27, 13909), (31, 13924), (34, 13933), (Start: 42 @13987 has 9 MA's), (71, 14179), (80, 14257), (86, 14281), (92, 14311), (126, 14515), (132, 14542), (148, 14659), (157, 14731), (161, 14746), (165, 14761), (180, 14842), (195, 14983), (208, 15082), (210, 15097), (212, 15106), (214, 15115), (221, 15151), (223, 15175), (238, 15259), (240, 15268), (246, 15313),

Gene: WhoseManz_27 Start: 11741, Stop: 13363, Start Num: 17

Candidate Starts for WhoseManz_27:

(1, 10973), (2, 11045), (3, 11048), (7, 11294), (8, 11357), (10, 11405), (Start: 17 @11741 has 7 MA's), (Start: 26 @11786 has 29 MA's), (35, 11819), (132, 12425), (140, 12470), (157, 12602), (165, 12632), (180, 12713), (191, 12809), (194, 12839), (195, 12854), (212, 12977), (214, 12986), (221, 13022), (223, 13046), (234, 13112), (238, 13130), (240, 13139), (246, 13184),

Gene: Whouxphf_3 Start: 2273, Stop: 3598, Start Num: 41

Candidate Starts for Whouxphf_3:

(Start: 36 @2240 has 159 MA's), (Start: 41 @2273 has 2 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (64, 2420), (65, 2423), (66, 2426), (74, 2495), (75, 2501), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (111, 2672), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196,

3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (221, 3386), (222, 3392), (225, 3416), (250, 3560),

Gene: WillSterrel_3 Start: 2243, Stop: 3613, Start Num: 36

Candidate Starts for WillSterrel_3:

(Start: 36 @2243 has 159 MA's), (Start: 42 @2279 has 9 MA's), (Start: 47 @2303 has 1 MA's), (48, 2312), (49, 2318), (50, 2321), (55, 2360), (65, 2426), (66, 2429), (74, 2498), (84, 2537), (85, 2546), (97, 2594), (109, 2654), (117, 2702), (125, 2747), (134, 2792), (137, 2819), (144, 2864), (147, 2885), (148, 2888), (149, 2891), (152, 2912), (153, 2921), (160, 2972), (161, 2975), (164, 2984), (170, 3014), (173, 3035), (183, 3104), (185, 3113), (189, 3164), (190, 3167), (196, 3227), (198, 3233), (212, 3344), (215, 3356), (221, 3389), (222, 3395), (225, 3419), (255, 3581),

Gene: WilliamBoone_31 Start: 9788, Stop: 11401, Start Num: 20

Candidate Starts for WilliamBoone_31:

(Start: 20 @9788 has 25 MA's), (32, 9839), (35, 9848), (46, 9908), (48, 9917), (55, 9965), (60, 9998), (61, 10001), (68, 10046), (72, 10073), (103, 10277), (110, 10307), (116, 10343), (117, 10352), (123, 10388), (125, 10397), (127, 10412), (148, 10553), (151, 10571), (152, 10577), (156, 10619), (183, 10805), (184, 10811), (196, 10928), (201, 10973), (208, 11021), (222, 11099), (225, 11123), (226, 11129), (228, 11138), (242, 11207), (243, 11222), (248, 11258), (249, 11261), (252, 11273), (254, 11279),

Gene: XFactor_3 Start: 2255, Stop: 3625, Start Num: 36

Candidate Starts for XFactor_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (65, 2438), (66, 2441), (74, 2510), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (195, 3233), (196, 3239), (198, 3245), (204, 3302), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575), (255, 3593),

Gene: Yndexa_27 Start: 13681, Stop: 15303, Start Num: 17

Candidate Starts for Yndexa_27:

(Start: 17 @13681 has 7 MA's), (Start: 26 @13726 has 29 MA's), (32, 13750), (35, 13759), (132, 14365), (140, 14410), (157, 14542), (165, 14572), (180, 14653), (191, 14749), (194, 14779), (195, 14794), (212, 14917), (214, 14926), (221, 14962), (223, 14986), (234, 15052), (238, 15070), (240, 15079), (246, 15124),

Gene: Yorick_3 Start: 2239, Stop: 3609, Start Num: 36

Candidate Starts for Yorick_3:

(Start: 36 @2239 has 159 MA's), (Start: 42 @2275 has 9 MA's), (Start: 47 @2299 has 1 MA's), (48, 2308), (49, 2314), (50, 2317), (55, 2356), (65, 2422), (66, 2425), (74, 2494), (84, 2533), (85, 2542), (97, 2590), (109, 2650), (117, 2698), (125, 2743), (134, 2788), (137, 2815), (144, 2860), (147, 2881), (148, 2884), (149, 2887), (152, 2908), (153, 2917), (160, 2968), (161, 2971), (164, 2980), (170, 3010), (173, 3031), (183, 3100), (185, 3109), (189, 3160), (190, 3163), (196, 3223), (198, 3229), (206, 3307), (212, 3340), (215, 3352), (222, 3391), (225, 3415), (255, 3577),

Gene: Yvonnetastic_29 Start: 12189, Stop: 13751, Start Num: 20

Candidate Starts for Yvonnetastic_29:

(13, 12105), (Start: 20 @12189 has 25 MA's), (32, 12240), (35, 12249), (55, 12366), (60, 12399), (68, 12447), (69, 12450), (71, 12465), (72, 12474), (79, 12534), (83, 12555), (96, 12612), (103, 12678), (105, 12684), (110, 12708), (115, 12741), (124, 12795), (125, 12798), (142, 12918), (151, 12972), (152, 12978), (161, 13041), (177, 13149), (194, 13308), (196, 13329), (201, 13374), (204, 13392), (213, 13452), (216, 13464), (217, 13467), (247, 13647), (249, 13662), (253, 13677),

Gene: Zerg_3 Start: 2240, Stop: 3610, Start Num: 36

Candidate Starts for Zerg_3:

(Start: 36 @2240 has 159 MA's), (Start: 42 @2276 has 9 MA's), (Start: 47 @2300 has 1 MA's), (48, 2309), (49, 2315), (50, 2318), (55, 2357), (65, 2423), (66, 2426), (74, 2495), (84, 2534), (85, 2543), (97, 2591), (109, 2651), (117, 2699), (125, 2744), (134, 2789), (137, 2816), (144, 2861), (147, 2882), (148, 2885), (149, 2888), (152, 2909), (153, 2918), (160, 2969), (161, 2972), (164, 2981), (170, 3011), (173, 3032), (183, 3101), (185, 3110), (189, 3161), (190, 3164), (196, 3224), (198, 3230), (206, 3308), (212, 3341), (215, 3353), (222, 3392), (225, 3416), (255, 3578),

Gene: Zion_13 Start: 8757, Stop: 10319, Start Num: 29

Candidate Starts for Zion_13:

(Start: 24 @8742 has 8 MA's), (Start: 29 @8757 has 6 MA's), (39, 8820), (45, 8841), (51, 8883), (59, 8943), (60, 8952), (62, 8961), (68, 9000), (80, 9096), (101, 9216), (102, 9222), (112, 9285), (114, 9291), (135, 9405), (136, 9426), (143, 9480), (147, 9504), (157, 9579), (161, 9594), (165, 9609), (183, 9714), (185, 9723), (195, 9831), (215, 9963), (224, 10026), (230, 10071), (241, 10116), (242, 10122), (244, 10149), (246, 10158), (248, 10173), (261, 10257),

Gene: Zizzle_3 Start: 2255, Stop: 3613, Start Num: 36

Candidate Starts for Zizzle_3:

(Start: 36 @2255 has 159 MA's), (Start: 42 @2291 has 9 MA's), (Start: 47 @2315 has 1 MA's), (48, 2324), (49, 2330), (50, 2333), (55, 2372), (64, 2435), (65, 2438), (66, 2441), (74, 2510), (75, 2516), (84, 2549), (85, 2558), (97, 2606), (109, 2666), (111, 2687), (117, 2714), (125, 2759), (134, 2804), (137, 2831), (144, 2876), (147, 2897), (148, 2900), (149, 2903), (152, 2924), (153, 2933), (160, 2984), (161, 2987), (164, 2996), (170, 3026), (173, 3047), (183, 3116), (185, 3125), (189, 3176), (190, 3179), (196, 3239), (198, 3245), (212, 3356), (215, 3368), (221, 3401), (222, 3407), (225, 3431), (250, 3575),