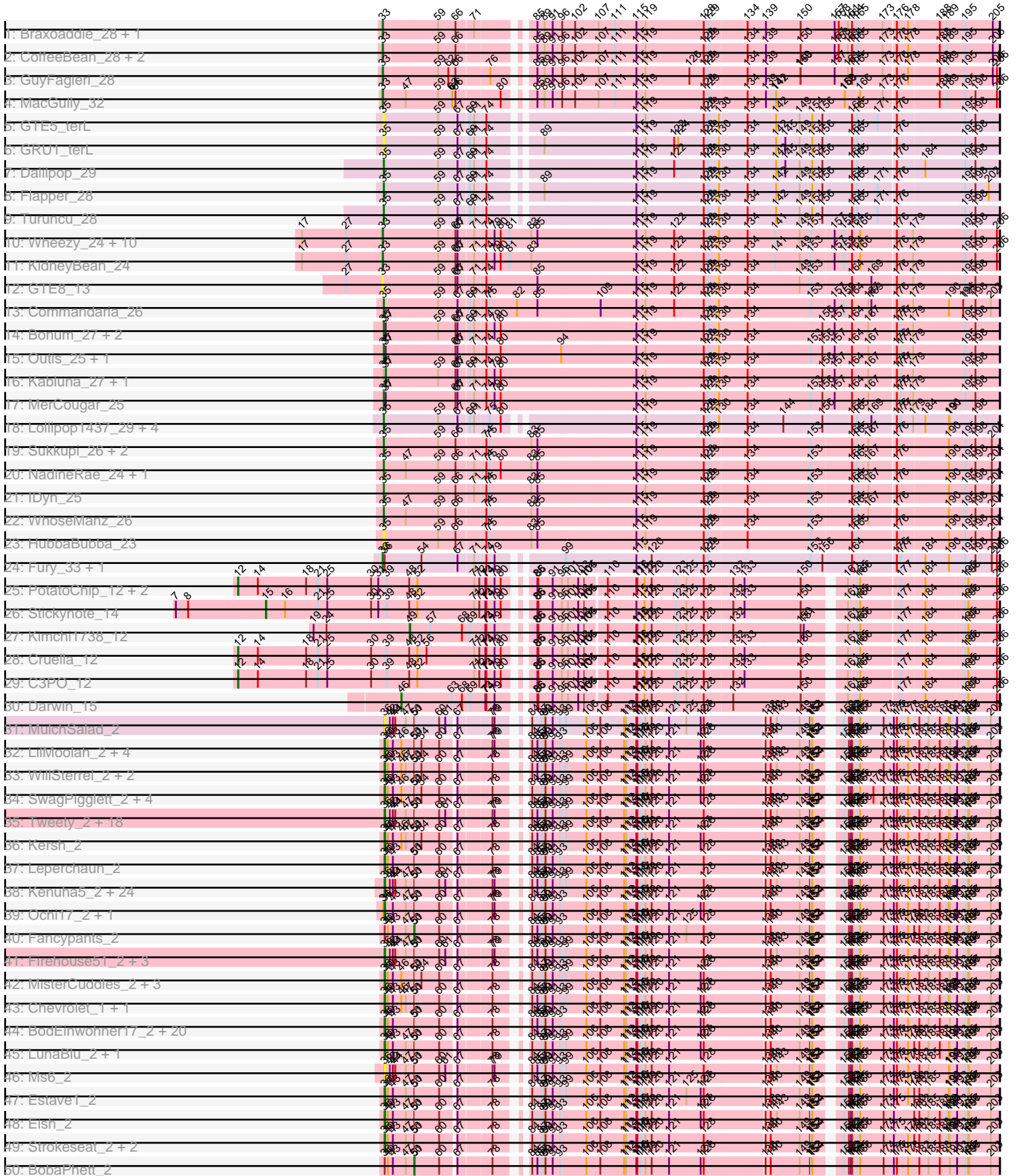


Pham 163332



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 163332 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163332 has 228 members, 22 are drafts.

Phages represented in each track:

- Track 1 : Braxoaddie_28, Polyyuki_28
- Track 2 : CoffeeBean_28, Maselop_28, Apiary_28
- Track 3 : GuyFagieri_28
- Track 4 : MacGully_32
- Track 5 : GTE5_terL
- Track 6 : GRU1_terL
- Track 7 : Dalilpop_29
- Track 8 : Flapper_28
- Track 9 : Turuncu_28
- Track 10 : Wheezy_24, GrootJr_26, Jifall16_23, Tracker_24, Arti_24, Foxboro_25, NatB6_24, Kurt_24, NovumRegina_24, Phomeo_23, Emianna_24
- Track 11 : KidneyBean_24
- Track 12 : GTE8_13
- Track 13 : Commandaria_26
- Track 14 : Bonum_27, Buggaboo_25, SuperSulley_25
- Track 15 : Outis_25, StarStruck_25
- Track 16 : Kabluna_27, NosilaM_27
- Track 17 : MerCougar_25
- Track 18 : Lollipop1437_29, Ennea_30, Patio_27, Float294_26, Skysand_26
- Track 19 : Sukkupi_26, BiPauneto_27, Yndexa_26
- Track 20 : NadineRae_24, Marietta_26
- Track 21 : IDyn_25
- Track 22 : WhoseManz_26
- Track 23 : HubbaBubba_23
- Track 24 : Fury_33, Pleakley_33
- Track 25 : PotatoChip_12, Zion_12, PeteyPab_12
- Track 26 : Stickynote_14
- Track 27 : Kimchi1738_12
- Track 28 : Cruella_12
- Track 29 : C3PO_12
- Track 30 : Darwin_15
- Track 31 : MulchSalad_2
- Track 32 : LilMoolah_2, Eradicator_2, Doug_2, Philus_2, Moonbeam_2
- Track 33 : WillSterrel_2, Spartacus_2, IrishSherpFalk_2
- Track 34 : SwagPigglett_2, ByChance_2, Lizziana_2, ShowerHandel_2, Martik_2
- Track 35 : Tweety_2, PopTart_2, DotProduct_2, QuickMath_2, Dante_2, Sandalphon_2, Krakatau_3, Rita_2, Ovechkin_2, Hamulus_2, SG4_2, Phasih_2,

Minnie_2, Emma_2, Ardmore_2, SassyB_2, MinionDave_3, CaptainTrips_3, Phalconet_2

- Track 36 : Kersh_2
- Track 37 : Leperchaun_2
- Track 38 : Kenuha5_2, Melissauren88_2, Zizzle_2, Karhdo_2, XFactor_2, Bipolar_2, Taj_2, MilleniumForce_3, ShroomBoi_2, StAnnes_2, MadMen_2, Bubbles123_2, Fastidio_2, SuperGrey_2, DillTech15_2, Aubs_2, EleanorGeorge_2, Fruitloop_2, Batiatus_2, Donkeykong_2, Chuckly_2, Phanphagia_2, Filuzino_2, Shauna1_2, Whatsapiecost_2
- Track 39 : Ochi17_2, Llama_2
- Track 40 : Fancypants_2
- Track 41 : Firehouse51_2, Akhila_3, MilanaBonita_3, Royals2015_2
- Track 42 : MisterCuddles_2, Girr_2, Ruby_2, SiSi_2
- Track 43 : Chevrolet_1, ArcusAngelus_2
- Track 44 : BodEinwohner17_2, Nimbo_2, Scottish_2, KingMidas_2, PHappiness_2, RedBird_2, JoeyJr_2, Dorothy_2, Empress_2, Radiance_2, Inventum_2, OldBen_2, Daenerys_2, RitaG_2, Spoonbill_2, Geralt_2, BlueCrab_2, Doomphist_2, Sassafras_2, Pacc40_2, Poenanya_2
- Track 45 : LunaBlu_2, Galactic_2
- Track 46 : Ms6_2
- Track 47 : Estave1_2
- Track 48 : Eish_2
- Track 49 : Strokeseat_2, Hlubikazi_2, Mandlovu_2
- Track 50 : BobaPhett_2
- Track 51 : Nivrat_2
- Track 52 : FreddyB_2, Crumble_2, Koella_2, Cabrinians_2, LastJedi_2, Clifton_2, NormanBulbieJr_2, OlympiaSaint_2, Pippy_2, Priscilla_2
- Track 53 : Phatniss_2
- Track 54 : DeadP_2, Wee_2
- Track 55 : Seabastian_2, AlpineSix_2, OfUltron_2, Jinglebell_2
- Track 56 : Burwell21_2
- Track 57 : PhesterPhotato_2
- Track 58 : Brocalys_2, Saal_2, Gorge_2
- Track 59 : Guppsters_2
- Track 60 : Veteran_2, GUmbe_2
- Track 61 : Ibhubesi_2, Harley_2
- Track 62 : KristaRAM_3
- Track 63 : VRedHorse_2
- Track 64 : Juniper1_2
- Track 65 : Che8_2
- Track 66 : Llij_2
- Track 67 : Mantra_2, GigiOuiOui_2, Gandalph_2
- Track 68 : Florinda_2
- Track 69 : IbOuu_2, Deb65_2, DaddyRickover_2
- Track 70 : Modragons_2
- Track 71 : Wachhund_2
- Track 72 : Latretium_2
- Track 73 : Sabbb_2
- Track 74 : Nitzel_3
- Track 75 : Sparkdehlily_2, TDanisky_2, DRBy19_2
- Track 76 : Blexus_2
- Track 77 : Zerg_2
- Track 78 : Mattes_2

- Track 79 : Mutaforma13_2
- Track 80 : Mahavrat_2
- Track 81 : Byougenkin_2
- Track 82 : James_2, Polka14_2
- Track 83 : Rockne_2, PMC_2
- Track 84 : Yorick_2
- Track 85 : Jarcob_2, ShiLan_2
- Track 86 : Hades_2
- Track 87 : DLane_2
- Track 88 : Whouxphf_2
- Track 89 : Maravista_2
- Track 90 : ChewyVIII_38
- Track 91 : GAL1_4
- Track 92 : P1201_27

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 147 of the 206 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akhila_3, ArcusAngelus_2, Ardmore_2, Aubs_2, Batiatus_2, Bipolar_2, Blexus_2, BlueCrab_2, BodEinwohner17_2, Brocalys_2, Bubbles123_2, Burwell21_2, ByChance_2, Cabrinians_2, CaptainTrips_3, Che8_2, Chevrolet_1, Chuckly_2, Clifton_2, Crumble_2, DLane_2, DRBy19_2, Daenerys_2, Dante_2, DeadP_2, DillTech15_2, Donkeykong_2, Doomphist_2, Dorothy_2, DotProduct_2, Doug_2, Eish_2, EleanorGeorge_2, Emma_2, Empress_2, Eradicator_2, Estave1_2, Fastidio_2, Filuzino_2, Firehouse51_2, Florinda_2, FreddyB_2, Fruitloop_2, GAL1_4, GUMbie_2, Galactic_2, Gandalph_2, Geralt_2, GigiOuiOui_2, Girr_2, Gorge_2, Guppsters_2, Hades_2, Hamulus_2, Harley_2, Hlubikazi_2, Ibhubesi_2, Inventum_2, IrishSherpFalk_2, James_2, Jarcob_2, JoeyJr_2, Karhdo_2, Kenuha5_2, Kersh_2, KingMidas_2, Koella_2, Krakatau_3, KristaRAM_3, LastJedi_2, Latretium_2, Leperchaun_2, LilMoolah_2, Lizziana_2, Llama_2, Llij_2, LunaBlu_2, MadMen_2, Mahavrat_2, Mandlovu_2, Mantra_2, Maravista_2, Martik_2, Mattes_2, Melissauren88_2, MilanaBonita_3, MilleniumForce_3, MinionDave_3, Minnie_2, MisterCuddles_2, Moonbeam_2, Ms6_2, MulchSalad_2, Mutaforma13_2, Nimbo_2, Nitzel_3, Nivrat_2, NormanBulbieJr_2, Ochi17_2, OldBen_2, OlympiaSaint_2, Ovechkin_2, PHappiness_2, PMC_2, Pacc40_2, Phalconet_2, Phanphagia_2, Phasih_2, Phatniss_2, PhesterPhotato_2, Philus_2, Pippy_2, Poenanya_2, Polka14_2, PopTart_2, Priscilla_2, QuickMath_2, Radiance_2, RedBird_2, RitaG_2, Rita_2, Rockne_2, Royals2015_2, Ruby_2, SG4_2, Saal_2, Sabbb_2, Sandalphon_2, Sassafras_2, SassyB_2, Scottish_2, Shauna1_2, ShiLan_2, ShowerHandel_2, ShroomBoi_2, SiSi_2, Sparkdehlily_2, Spartacus_2, Spoonbill_2, StAnnes_2, Strokeseat_2, SuperGrey_2, SwagPiggett_2, TDanisky_2, Taj_2, Tweety_2, VRedHorse_2, Veteran_2, Wachhund_2, Wee_2, Whatsapiecost_2, Whouxphf_2, WillSterrel_2, XFactor_2, Yorick_2, Zerg_2, Zizzle_2,

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

- AlpineSix_2, BobaPhett_2, Byougenkin_2, DaddyRickover_2, Deb65_2, Fancypants_2, Fury_33, IbOuu_2, Jinglebell_2, Juniper1_2, Modragons_2,

OfUltron_2, Pleakley_33, Seabastian_2,

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

- Apiary_28, Arti_24, BiPauneto_27, Bonum_27, Braxoaddie_28, Buggaboo_25, C3PO_12, ChewyVIII_38, CoffeeBean_28, Commandaria_26, Cruella_12, Dalilpop_29, Darwin_15, Emianna_24, Ennea_30, Flapper_28, Float294_26, Foxboro_25, GRU1_terL, GTE5_terL, GTE8_13, GrootJr_26, GuyFagieri_28, HubbaBubba_23, IDyn_25, Jifall16_23, Kabluna_27, KidneyBean_24, Kimchi1738_12, Kurt_24, Lollipop1437_29, MacGully_32, Marietta_26, Maselop_28, MerCougar_25, NadineRae_24, NatB6_24, NosilaM_27, NovumRegina_24, Outis_25, P1201_27, Patio_27, PeteyPab_12, Phomeo_23, Polyyuki_28, PotatoChip_12, Skysand_26, StarStruck_25, Stickynote_14, Sukkupi_26, SuperSulley_25, Tracker_24, Turuncu_28, Wheezy_24, WhoseManz_26, Yndexa_26, Zion_12,

Summary by start number:

Start 1:

- Found in 1 of 228 (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: P1201_27 (singleton),

Start 12:

- Found in 5 of 228 (2.2%) of genes in pham
- Manual Annotations of this start: 5 of 206
- Called 100.0% of time when present
- Phage (with cluster) where this start called: C3PO_12 (EN), Cruella_12 (EN), PeteyPab_12 (EN), PotatoChip_12 (EN), Zion_12 (EN),

Start 15:

- Found in 1 of 228 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 206
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Stickynote_14 (EN),

Start 33:

- Found in 22 of 228 (9.6%) of genes in pham
- Manual Annotations of this start: 19 of 206
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apiary_28 (CR), Arti_24 (CR2), Braxoaddie_28 (CR), CoffeeBean_28 (CR), Emianna_24 (CR2), Foxboro_25 (CR2), Fury_33 (CR5), GTE8_13 (CR2), GrootJr_26 (CR2), GuyFagieri_28 (CR), Jifall16_23 (CR2), KidneyBean_24 (CR2), Kurt_24 (CR2), MacGully_32 (CR), Maselop_28 (CR), NatB6_24 (CR2), NovumRegina_24 (CR2), Phomeo_23 (CR2), Pleakley_33 (CR5), Polyyuki_28 (CR), Tracker_24 (CR2), Wheezy_24 (CR2),

Start 34:

- Found in 8 of 228 (3.5%) of genes in pham
- Manual Annotations of this start: 1 of 206
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Modragons_2 (F1),

Start 35:

- Found in 27 of 228 (11.8%) of genes in pham
- Manual Annotations of this start: 22 of 206
- Called 92.6% of time when present
- Phage (with cluster) where this start called: BiPauneto_27 (CR4), Bonum_27 (CR2), Buggaboo_25 (CR2), Commandaria_26 (CR2), Dalilpop_29 (CR1), Ennea_30 (CR3), Flapper_28 (CR1), Float294_26 (CR3), GRU1_terL (CR1), GTE5_terL (CR1), HubbaBubba_23 (CR4), IDyn_25 (CR4), Lollipop1437_29 (CR3), Marietta_26 (CR4), MerCougar_25 (CR2), NadineRae_24 (CR4), Outis_25 (CR2), Patio_27 (CR3), Skysand_26 (CR3), StarStruck_25 (CR2), Sukkupi_26 (CR4), SuperSulley_25 (CR2), Turuncu_28 (CR1), WhoseManz_26 (CR4), Yndexa_26 (CR4),

Start 36:

- Found in 171 of 228 (75.0%) of genes in pham
- Manual Annotations of this start: 147 of 206
- Called 91.8% of time when present
- Phage (with cluster) where this start called: Akhila_3 (F1), ArcusAngelus_2 (F1), Ardmore_2 (F1), Aubs_2 (F1), Batiatus_2 (F1), Bipolar_2 (F1), Blexus_2 (F1), BlueCrab_2 (F1), BodEinwohner17_2 (F1), Brocalys_2 (F1), Bubbles123_2 (F1), Burwell21_2 (F1), ByChance_2 (F1), Cabrinians_2 (F1), CaptainTrips_3 (F1), Che8_2 (F1), Chevrolet_1 (F1), Chuckly_2 (F1), Clifton_2 (F1), Crumble_2 (F1), DLane_2 (F1), DRBy19_2 (F1), Daenerys_2 (F1), Dante_2 (F1), DeadP_2 (F1), DillTech15_2 (F1), Donkeykong_2 (F1), Doomphist_2 (F1), Dorothy_2 (F1), DotProduct_2 (F1), Doug_2 (F1), Eish_2 (F1), EleanorGeorge_2 (F1), Emma_2 (F1), Empress_2 (F1), Eradicator_2 (F1), Estave1_2 (F1), Fastidio_2 (F1), Filuzino_2 (F1), Firehouse51_2 (F1), Florinda_2 (F1), FreddyB_2 (F1), Fruitloop_2 (F1), GAL1_4 (singleton), GUmble_2 (F1), Galactic_2 (F1), Gandolph_2 (F1), Geralt_2 (F1), GigiOuiOui_2 (F1), Girr_2 (F1), Gorge_2 (F1), Guppsters_2 (F1), Hades_2 (F1), Hamulus_2 (F1), Harley_2 (F1), Hlubikazi_2 (F1), Ibhubesi_2 (F1), Inventum_2 (F1), IrishSherpFalk_2 (F1), James_2 (F1), Jarcob_2 (F1), JoeyJr_2 (F1), Karhdo_2 (F1), Kenuha5_2 (F1), Kersh_2 (F1), KingMidas_2 (F1), Koella_2 (F1), Krakatau_3 (F1), KristaRAM_3 (F1), LastJedi_2 (F1), Latretium_2 (F1), Leperchaun_2 (F1), LilMoolah_2 (F1), Lizziana_2 (F1), Llama_2 (F1), Llij_2 (F1), LunaBlu_2 (F1), MadMen_2 (F1), Mahavrat_2 (F1), Mandlovu_2 (F1), Mantra_2 (F1), Maravista_2 (F1), Martik_2 (F1), Mattes_2 (F1), Melissauren88_2 (F1), MilanaBonita_3 (F1), MilleniumForce_3 (F1), MinionDave_3 (F1), Minnie_2 (F1), MisterCuddles_2 (F1), Moonbeam_2 (F1), Ms6_2 (F1), MulchSalad_2 (F), Mutaforma13_2 (F1), Nimbo_2 (F1), Nitzel_3 (F1), Nivrat_2 (F1), NormanBulbieJr_2 (F1), Ochi17_2 (F1), OldBen_2 (F1), OlympiaSaint_2 (F1), Ovechkin_2 (F1), PHappiness_2 (F1), PMC_2 (F1), Pacc40_2 (F1), Phalconet_2 (F1), Phanphagia_2 (F1), Phasih_2 (F1), Phatniss_2 (F1), PhesterPhotato_2 (F1), Philus_2 (F1), Pippy_2 (F1), Poenanya_2 (F1), Polka14_2 (F1), PopTart_2 (F1), Priscilla_2 (F1), QuickMath_2 (F1), Radiance_2 (F1), RedBird_2 (F1), RitaG_2 (F1), Rita_2 (F1), Rockne_2 (F1), Royals2015_2 (F1), Ruby_2 (F1), SG4_2 (F1), Saal_2 (F1), Sabbb_2 (F1), Sandalphon_2 (F1), Sassafras_2 (F1), SassyB_2 (F1), Scottish_2 (F1), Shauna1_2 (F1), ShiLan_2 (F1), ShowerHandel_2 (F1), ShroomBoi_2 (F1), SiSi_2 (F1), Sparkdehlily_2 (F1), Spartacus_2 (F1), Spoonbill_2 (F1), StAnnes_2 (F1), Strokeseat_2 (F1), SuperGrey_2 (F1), SwagPiggett_2 (F1), TDanisky_2 (F1), Taj_2 (F1), Tweety_2 (F1), VRedHorse_2 (F1), Veteran_2 (F1), Wachhund_2 (F1), Wee_2 (F1), Whatsapiecost_2 (F1), Whouxphf_2 (F1), WillSterrel_2 (F1), XFactor_2 (F1), Yorick_2 (F1), Zerg_2 (F1), Zizzle_2 (F1),

Start 37:

- Found in 8 of 228 (3.5%) of genes in pham
- Manual Annotations of this start: 2 of 206
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Kabluna_27 (CR2), NosilaM_27 (CR2),

Start 43:

- Found in 168 of 228 (73.7%) of genes in pham
- Manual Annotations of this start: 3 of 206
- Called 2.4% of time when present
- Phage (with cluster) where this start called: AlpineSix_2 (F1), Jinglebell_2 (F1), OfUltron_2 (F1), Seabastian_2 (F1),

Start 45:

- Found in 1 of 228 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 206
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ChewyVIII_38 (singleton),

Start 46:

- Found in 37 of 228 (16.2%) of genes in pham
- Manual Annotations of this start: 1 of 206
- Called 2.7% of time when present
- Phage (with cluster) where this start called: Darwin_15 (EN),

Start 47:

- Found in 132 of 228 (57.9%) of genes in pham
- Manual Annotations of this start: 1 of 206
- Called 1.5% of time when present
- Phage (with cluster) where this start called: Byougenkin_2 (F1), Juniper1_2 (F1),

Start 49:

- Found in 2 of 228 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 206
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Kimchi1738_12 (EN),

Start 50:

- Found in 168 of 228 (73.7%) of genes in pham
- Manual Annotations of this start: 2 of 206
- Called 3.0% of time when present
- Phage (with cluster) where this start called: BobaPhett_2 (F1), DaddyRickover_2 (F1), Deb65_2 (F1), Fancypants_2 (F1), IbOuu_2 (F1),

Summary by clusters:

There are 10 clusters represented in this pham: CR2, F1, singleton, CR1, CR4, CR3, CR5, EN, F, CR,

Info for manual annotations of cluster CR:

- Start number 33 was manually annotated 6 times for cluster CR.

Info for manual annotations of cluster CR1:

- Start number 35 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 33 was manually annotated 11 times for cluster CR2.
- Start number 35 was manually annotated 7 times for cluster CR2.
- Start number 37 was manually annotated 2 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 35 was manually annotated 5 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 35 was manually annotated 7 times for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 33 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster EN:

- Start number 12 was manually annotated 5 times for cluster EN.
- Start number 15 was manually annotated 1 time for cluster EN.
- Start number 46 was manually annotated 1 time for cluster EN.
- Start number 49 was manually annotated 1 time for cluster EN.

Info for manual annotations of cluster F1:

- Start number 34 was manually annotated 1 time for cluster F1.
- Start number 36 was manually annotated 147 times for cluster F1.
- Start number 43 was manually annotated 3 times for cluster F1.
- Start number 47 was manually annotated 1 time for cluster F1.
- Start number 50 was manually annotated 2 times for cluster F1.

Gene Information:

Gene: Akhila_3 Start: 1235, Stop: 2872, Start Num: 36

Candidate Starts for Akhila_3:

(Start: 36 @1235 has 147 MA's), (42, 1250), (Start: 43 @1259 has 3 MA's), (44, 1265), (Start: 47 @1292 has 1 MA's), (Start: 50 @1316 has 2 MA's), (51, 1319), (60, 1382), (61, 1400), (67, 1421), (78, 1508), (79, 1514), (84, 1568), (85, 1580), (89, 1601), (90, 1604), (91, 1625), (93, 1646), (99, 1661), (106, 1718), (108, 1757), (112, 1826), (113, 1832), (115, 1862), (116, 1865), (117, 1874), (119, 1889), (120, 1907), (121, 1958), (128, 2060), (138, 2231), (140, 2243), (143, 2261), (149, 2327), (152, 2357), (153, 2360), (154, 2363), (159, 2420), (162, 2435), (163, 2441), (164, 2444), (165, 2459), (166, 2468), (174, 2537), (175, 2567), (176, 2576), (178, 2609), (182, 2642), (185, 2669), (188, 2702), (190, 2729), (191, 2732), (193, 2753), (195, 2777), (196, 2786), (197, 2789), (203, 2846),

Gene: AlpineSix_2 Start: 605, Stop: 2218, Start Num: 43

Candidate Starts for AlpineSix_2:

(Start: 34 @578 has 1 MA's), (Start: 36 @581 has 147 MA's), (Start: 43 @605 has 3 MA's), (Start: 47 @638 has 1 MA's), (Start: 50 @662 has 2 MA's), (51, 665), (60, 728), (67, 767), (78, 854), (79, 860), (84, 914), (87, 938), (89, 947), (90, 950), (91, 971), (93, 992), (106, 1064), (108, 1103), (112, 1172), (113, 1178), (115, 1208), (116, 1211), (117, 1220), (119, 1235), (120, 1253), (121, 1304), (127, 1397), (128, 1406), (138, 1577), (140, 1589), (149, 1673), (152, 1703), (153, 1706), (154, 1709), (159, 1766), (162, 1781), (163, 1787), (164, 1790), (165, 1805), (166, 1814), (174, 1883), (175, 1913), (176, 1922), (178, 1955), (182, 1988), (185, 2015), (188, 2048), (189, 2069), (190, 2075), (191, 2078), (193, 2099),

(195, 2123), (196, 2132), (197, 2135), (203, 2192),

Gene: Apiary_28 Start: 14038, Stop: 15711, Start Num: 33

Candidate Starts for Apiary_28:

(Start: 33 @14038 has 19 MA's), (59, 14182), (66, 14233), (85, 14407), (89, 14428), (91, 14452), (96, 14479), (102, 14512), (107, 14578), (111, 14626), (115, 14689), (119, 14716), (128, 14884), (129, 14896), (134, 15007), (139, 15058), (150, 15157), (157, 15256), (158, 15268), (161, 15295), (164, 15307), (165, 15322), (173, 15397), (176, 15430), (178, 15463), (188, 15547), (189, 15568), (195, 15616), (205, 15691),

Gene: ArcusAngelus_2 Start: 573, Stop: 2210, Start Num: 36

Candidate Starts for ArcusAngelus_2:

(Start: 36 @573 has 147 MA's), (40, 582), (Start: 43 @597 has 3 MA's), (Start: 46 @618 has 1 MA's), (Start: 47 @630 has 1 MA's), (Start: 50 @654 has 2 MA's), (51, 657), (60, 720), (67, 759), (78, 846), (84, 906), (85, 918), (87, 930), (89, 939), (90, 942), (91, 963), (93, 984), (99, 999), (106, 1056), (108, 1095), (112, 1164), (113, 1170), (115, 1200), (116, 1203), (117, 1212), (119, 1227), (120, 1245), (121, 1296), (127, 1389), (128, 1398), (138, 1569), (140, 1581), (149, 1665), (152, 1695), (153, 1698), (154, 1701), (159, 1758), (162, 1773), (163, 1779), (164, 1782), (165, 1797), (166, 1806), (174, 1875), (175, 1905), (176, 1914), (178, 1947), (182, 1980), (185, 2007), (188, 2040), (189, 2061), (190, 2067), (191, 2070), (193, 2091), (195, 2115), (196, 2124), (197, 2127), (203, 2184),

Gene: Ardmore_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Ardmore_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Arti_24 Start: 12115, Stop: 13842, Start Num: 33

Candidate Starts for Arti_24:

(17, 11881), (27, 12010), (Start: 33 @12115 has 19 MA's), (59, 12265), (66, 12316), (67, 12322), (71, 12361), (74, 12391), (79, 12415), (80, 12433), (81, 12460), (83, 12523), (85, 12541), (115, 12826), (119, 12853), (122, 12937), (128, 13021), (129, 13033), (130, 13066), (134, 13144), (141, 13222), (149, 13294), (153, 13327), (157, 13390), (159, 13417), (164, 13441), (166, 13465), (176, 13564), (179, 13612), (195, 13750), (198, 13780), (206, 13834),

Gene: Aubs_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Aubs_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Batiatus_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Batiatus_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: BiPauneto_27 Start: 12066, Stop: 13793, Start Num: 35

Candidate Starts for BiPauneto_27:

(Start: 35 @12066 has 22 MA's), (59, 12216), (66, 12267), (74, 12342), (75, 12351), (83, 12474), (85, 12492), (115, 12774), (119, 12801), (128, 12969), (129, 12981), (134, 13092), (153, 13275), (164, 13389), (165, 13404), (167, 13437), (176, 13512), (190, 13656), (195, 13698), (198, 13728), (204, 13770),

Gene: Bipolar_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Bipolar_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Blexus_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Blexus_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (127, 1403), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: BlueCrab_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for BlueCrab_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: BobaPhett_2 Start: 653, Stop: 2209, Start Num: 50

Candidate Starts for BobaPhett_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115,

1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: BodEinwohner17_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for BodEinwohner17_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Bonum_27 Start: 12526, Stop: 14256, Start Num: 35

Candidate Starts for Bonum_27:

(Start: 35 @12526 has 22 MA's), (Start: 37 @12532 has 2 MA's), (59, 12676), (66, 12727), (67, 12733), (69, 12760), (71, 12772), (74, 12802), (79, 12826), (80, 12844), (115, 13237), (119, 13264), (128, 13432), (129, 13444), (130, 13477), (134, 13555), (156, 13771), (157, 13801), (164, 13852), (167, 13900), (176, 13975), (177, 13987), (179, 14023), (195, 14161), (198, 14191),

Gene: Braxoaddie_28 Start: 14026, Stop: 15699, Start Num: 33

Candidate Starts for Braxoaddie_28:

(Start: 33 @14026 has 19 MA's), (59, 14170), (66, 14221), (71, 14266), (85, 14395), (89, 14416), (91, 14440), (96, 14467), (102, 14500), (107, 14566), (111, 14614), (115, 14677), (119, 14704), (128, 14872), (129, 14884), (134, 14995), (139, 15046), (150, 15145), (157, 15244), (158, 15256), (161, 15283), (164, 15295), (165, 15310), (173, 15385), (176, 15418), (178, 15451), (188, 15535), (189, 15556), (195, 15604), (205, 15679),

Gene: Brocalys_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Brocalys_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (125, 1346), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Bubbles123_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Bubbles123_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Buggaboo_25 Start: 12984, Stop: 14714, Start Num: 35

Candidate Starts for Buggaboo_25:

(Start: 35 @12984 has 22 MA's), (Start: 37 @12990 has 2 MA's), (59, 13134), (66, 13185), (67, 13191), (69, 13218), (71, 13230), (74, 13260), (79, 13284), (80, 13302), (115, 13695), (119, 13722), (128, 13890), (129, 13902), (130, 13935), (134, 14013), (156, 14229), (157, 14259), (164, 14310), (167, 14358), (176, 14433), (177, 14445), (179, 14481), (195, 14619), (198, 14649),

Gene: Burwell21_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Burwell21_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 47 @628 has 1 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (79, 850), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (99, 997), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (143, 1597), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: ByChance_2 Start: 573, Stop: 2210, Start Num: 36

Candidate Starts for ByChance_2:

(Start: 36 @573 has 147 MA's), (40, 582), (Start: 43 @597 has 3 MA's), (Start: 46 @618 has 1 MA's), (Start: 50 @654 has 2 MA's), (51, 657), (54, 675), (60, 720), (67, 759), (78, 846), (84, 906), (87, 930), (89, 939), (90, 942), (91, 963), (93, 984), (99, 999), (106, 1056), (108, 1095), (112, 1164), (113, 1170), (115, 1200), (116, 1203), (117, 1212), (119, 1227), (120, 1245), (121, 1296), (127, 1389), (128, 1398), (138, 1569), (140, 1581), (149, 1665), (152, 1695), (153, 1698), (154, 1701), (159, 1758), (162, 1773), (163, 1779), (164, 1782), (165, 1797), (166, 1806), (170, 1845), (174, 1875), (175, 1905), (176, 1914), (178, 1947), (182, 1980), (185, 2007), (188, 2040), (191, 2070), (193, 2091), (195, 2115), (196, 2124), (197, 2127), (203, 2184),

Gene: Byougenkin_2 Start: 629, Stop: 2209, Start Num: 47

Candidate Starts for Byougenkin_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (125, 1346), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (180, 1964), (182, 1979), (185, 2006), (188, 2039), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: C3PO_12 Start: 6699, Stop: 8765, Start Num: 12

Candidate Starts for C3PO_12:

(Start: 12 @6699 has 5 MA's), (14, 6756), (18, 6894), (21, 6924), (25, 6948), (30, 7065), (39, 7110), (48, 7173), (52, 7197), (71, 7359), (72, 7374), (73, 7392), (74, 7395), (79, 7419), (80, 7437), (85, 7494), (86, 7497), (91, 7539), (95, 7566), (101, 7584), (103, 7611), (104, 7629), (105, 7632), (110, 7686), (115, 7770), (116, 7773), (118, 7794), (120, 7815), (123, 7887), (125, 7917), (128, 7968), (132, 8049), (133, 8082), (150, 8244), (161, 8346), (165, 8373), (166, 8382), (177, 8493), (184, 8556), (195, 8667), (196, 8676), (206, 8757),

Gene: Cabrinians_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Cabrinians_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845),

(84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (99, 998), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: CaptainTrips_3 Start: 1235, Stop: 2872, Start Num: 36

Candidate Starts for CaptainTrips_3:

(Start: 36 @1235 has 147 MA's), (42, 1250), (Start: 43 @1259 has 3 MA's), (44, 1265), (Start: 47 @1292 has 1 MA's), (Start: 50 @1316 has 2 MA's), (51, 1319), (60, 1382), (61, 1400), (67, 1421), (78, 1508), (79, 1514), (84, 1568), (85, 1580), (87, 1592), (89, 1601), (90, 1604), (91, 1625), (93, 1646), (99, 1661), (106, 1718), (108, 1757), (112, 1826), (113, 1832), (115, 1862), (116, 1865), (117, 1874), (119, 1889), (120, 1907), (121, 1958), (128, 2060), (138, 2231), (140, 2243), (143, 2261), (149, 2327), (152, 2357), (153, 2360), (154, 2363), (159, 2420), (162, 2435), (163, 2441), (164, 2444), (165, 2459), (166, 2468), (174, 2537), (175, 2567), (176, 2576), (178, 2609), (182, 2642), (185, 2669), (188, 2702), (190, 2729), (191, 2732), (193, 2753), (195, 2777), (196, 2786), (197, 2789), (203, 2846),

Gene: Che8_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Che8_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 47 @628 has 1 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (99, 997), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (125, 1345), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (143, 1597), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (178, 1945), (180, 1963), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Chevrolet_1 Start: 573, Stop: 2210, Start Num: 36

Candidate Starts for Chevrolet_1:

(Start: 36 @573 has 147 MA's), (40, 582), (Start: 43 @597 has 3 MA's), (Start: 46 @618 has 1 MA's), (Start: 47 @630 has 1 MA's), (Start: 50 @654 has 2 MA's), (51, 657), (60, 720), (67, 759), (78, 846), (84, 906), (85, 918), (87, 930), (89, 939), (90, 942), (91, 963), (93, 984), (99, 999), (106, 1056), (108, 1095), (112, 1164), (113, 1170), (115, 1200), (116, 1203), (117, 1212), (119, 1227), (120, 1245), (121, 1296), (127, 1389), (128, 1398), (138, 1569), (140, 1581), (149, 1665), (152, 1695), (153, 1698), (154, 1701), (159, 1758), (162, 1773), (163, 1779), (164, 1782), (165, 1797), (166, 1806), (174, 1875), (175, 1905), (176, 1914), (178, 1947), (182, 1980), (185, 2007), (188, 2040), (189, 2061), (190, 2067), (191, 2070), (193, 2091), (195, 2115), (196, 2124), (197, 2127), (203, 2184),

Gene: ChewyVIII_38 Start: 19903, Stop: 21543, Start Num: 45

Candidate Starts for ChewyVIII_38:

(38, 19873), (41, 19882), (Start: 45 @19903 has 1 MA's), (Start: 47 @19930 has 1 MA's), (54, 19975), (55, 19984), (70, 20107), (71, 20113), (73, 20140), (80, 20185), (83, 20224), (88, 20257), (89, 20263), (111, 20461), (115, 20524), (122, 20635), (126, 20680), (128, 20719), (132, 20806), (134, 20848), (146, 20974), (160, 21118), (167, 21187), (168, 21193), (176, 21262), (179, 21310), (186, 21367), (198, 21478), (199, 21487), (205, 21523),

Gene: Chuckly_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Chuckly_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108,

1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Clifton_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Clifton_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (99, 998), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: CoffeeBean_28 Start: 13981, Stop: 15654, Start Num: 33

Candidate Starts for CoffeeBean_28:

(Start: 33 @13981 has 19 MA's), (59, 14125), (66, 14176), (85, 14350), (89, 14371), (91, 14395), (96, 14422), (102, 14455), (107, 14521), (111, 14569), (115, 14632), (119, 14659), (128, 14827), (129, 14839), (134, 14950), (139, 15001), (150, 15100), (157, 15199), (158, 15211), (161, 15238), (164, 15250), (165, 15265), (173, 15340), (176, 15373), (178, 15406), (188, 15490), (189, 15511), (195, 15559), (205, 15634),

Gene: Commandaria_26 Start: 13436, Stop: 15160, Start Num: 35

Candidate Starts for Commandaria_26:

(Start: 35 @13436 has 22 MA's), (59, 13586), (67, 13643), (69, 13670), (71, 13682), (74, 13712), (75, 13721), (82, 13802), (85, 13862), (109, 14039), (115, 14144), (119, 14171), (122, 14255), (128, 14339), (129, 14351), (130, 14384), (134, 14462), (153, 14645), (157, 14708), (159, 14735), (164, 14759), (167, 14807), (169, 14816), (176, 14882), (179, 14930), (190, 15026), (194, 15062), (195, 15068), (198, 15098), (203, 15137),

Gene: Cruella_12 Start: 6699, Stop: 8765, Start Num: 12

Candidate Starts for Cruella_12:

(Start: 12 @6699 has 5 MA's), (14, 6756), (18, 6894), (21, 6924), (25, 6948), (30, 7065), (39, 7110), (48, 7173), (52, 7197), (56, 7221), (71, 7359), (72, 7374), (73, 7392), (74, 7395), (79, 7419), (80, 7437), (85, 7494), (86, 7497), (91, 7539), (95, 7566), (101, 7584), (103, 7611), (104, 7629), (105, 7632), (110, 7686), (115, 7770), (116, 7773), (118, 7794), (120, 7815), (123, 7887), (125, 7917), (128, 7968), (132, 8049), (133, 8082), (150, 8244), (161, 8346), (165, 8373), (166, 8382), (177, 8493), (184, 8556), (195, 8667), (196, 8676), (206, 8757),

Gene: Crumble_2 Start: 573, Stop: 2210, Start Num: 36

Candidate Starts for Crumble_2:

(Start: 36 @573 has 147 MA's), (40, 582), (Start: 43 @597 has 3 MA's), (Start: 46 @618 has 1 MA's), (Start: 47 @630 has 1 MA's), (Start: 50 @654 has 2 MA's), (51, 657), (60, 720), (67, 759), (78, 846), (84, 906), (85, 918), (87, 930), (89, 939), (90, 942), (91, 963), (93, 984), (99, 999), (106, 1056), (108, 1095), (112, 1164), (113, 1170), (115, 1200), (116, 1203), (117, 1212), (119, 1227), (120, 1245), (121, 1296), (127, 1389), (128, 1398), (138, 1569), (140, 1581), (149, 1665), (152, 1695), (153, 1698), (154, 1701), (159, 1758), (162, 1773), (163, 1779), (164, 1782), (165, 1797), (166, 1806), (174, 1875), (175, 1905), (176, 1914), (178, 1947), (182, 1980), (185, 2007), (188, 2040), (191, 2070), (193, 2091), (195, 2115), (196, 2124), (197, 2127), (203, 2184),

Gene: DLane_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for DLane_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (181, 1982), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: DRBy19_2 Start: 588, Stop: 2225, Start Num: 36

Candidate Starts for DRBy19_2:

(Start: 36 @588 has 147 MA's), (42, 603), (Start: 43 @612 has 3 MA's), (44, 618), (Start: 47 @645 has 1 MA's), (Start: 50 @669 has 2 MA's), (51, 672), (60, 735), (61, 753), (67, 774), (78, 861), (79, 867), (84, 921), (85, 933), (87, 945), (89, 954), (90, 957), (91, 978), (93, 999), (106, 1071), (108, 1110), (112, 1179), (113, 1185), (115, 1215), (116, 1218), (117, 1227), (119, 1242), (120, 1260), (121, 1311), (128, 1413), (138, 1584), (140, 1596), (149, 1680), (152, 1710), (153, 1713), (154, 1716), (159, 1773), (162, 1788), (163, 1794), (164, 1797), (165, 1812), (166, 1821), (174, 1890), (175, 1920), (176, 1929), (178, 1962), (182, 1995), (185, 2022), (188, 2055), (190, 2082), (191, 2085), (193, 2106), (195, 2130), (196, 2139), (197, 2142), (203, 2199),

Gene: DaddyRickover_2 Start: 652, Stop: 2208, Start Num: 50

Candidate Starts for DaddyRickover_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Daenerys_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Daenerys_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Dalilpop_29 Start: 14581, Stop: 16257, Start Num: 35

Candidate Starts for Dalilpop_29:

(Start: 35 @14581 has 22 MA's), (59, 14731), (67, 14788), (69, 14815), (71, 14827), (74, 14857), (115, 15241), (119, 15268), (122, 15352), (128, 15436), (129, 15448), (130, 15481), (134, 15559), (142, 15640), (145, 15667), (149, 15709), (154, 15745), (156, 15775), (164, 15856), (165, 15871), (176, 15979), (184, 16054), (195, 16165), (198, 16195),

Gene: Dante_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Dante_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866),

(84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Darwin_15 Start: 7903, Stop: 9510, Start Num: 46

Candidate Starts for Darwin_15:

(Start: 46 @7903 has 1 MA's), (63, 8041), (68, 8071), (69, 8095), (73, 8137), (74, 8140), (79, 8164), (85, 8239), (86, 8242), (91, 8284), (95, 8311), (101, 8329), (103, 8356), (104, 8374), (105, 8377), (110, 8431), (115, 8515), (116, 8518), (118, 8539), (120, 8560), (123, 8632), (125, 8662), (128, 8713), (132, 8794), (150, 8989), (161, 9091), (165, 9118), (166, 9127), (177, 9238), (184, 9301), (195, 9412), (196, 9421), (206, 9502),

Gene: DeadP_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for DeadP_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (89, 953), (90, 956), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Deb65_2 Start: 652, Stop: 2208, Start Num: 50

Candidate Starts for Deb65_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: DillTech15_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for DillTech15_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Donkeykong_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Donkeykong_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121,

1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Doomphist_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Doomphist_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Dorothy_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Dorothy_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: DotProduct_2 Start: 588, Stop: 2225, Start Num: 36

Candidate Starts for DotProduct_2:

(Start: 36 @588 has 147 MA's), (42, 603), (Start: 43 @612 has 3 MA's), (44, 618), (Start: 47 @645 has 1 MA's), (Start: 50 @669 has 2 MA's), (51, 672), (60, 735), (61, 753), (67, 774), (78, 861), (79, 867), (84, 921), (85, 933), (87, 945), (89, 954), (90, 957), (91, 978), (93, 999), (99, 1014), (106, 1071), (108, 1110), (112, 1179), (113, 1185), (115, 1215), (116, 1218), (117, 1227), (119, 1242), (120, 1260), (121, 1311), (128, 1413), (138, 1584), (140, 1596), (143, 1614), (149, 1680), (152, 1710), (153, 1713), (154, 1716), (159, 1773), (162, 1788), (163, 1794), (164, 1797), (165, 1812), (166, 1821), (174, 1890), (175, 1920), (176, 1929), (178, 1962), (182, 1995), (185, 2022), (188, 2055), (190, 2082), (191, 2085), (193, 2106), (195, 2130), (196, 2139), (197, 2142), (203, 2199),

Gene: Doug_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Doug_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (54, 674), (60, 719), (67, 758), (78, 845), (79, 851), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Eish_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Eish_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140,

1580), (143, 1598), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (180, 1964), (182, 1979), (185, 2006), (188, 2039), (189, 2060), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: EleanorGeorge_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for EleanorGeorge_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Emianna_24 Start: 13154, Stop: 14881, Start Num: 33

Candidate Starts for Emianna_24:

(17, 12920), (27, 13049), (Start: 33 @13154 has 19 MA's), (59, 13304), (66, 13355), (67, 13361), (71, 13400), (74, 13430), (79, 13454), (80, 13472), (81, 13499), (83, 13562), (85, 13580), (115, 13865), (119, 13892), (122, 13976), (128, 14060), (129, 14072), (130, 14105), (134, 14183), (141, 14261), (149, 14333), (153, 14366), (157, 14429), (159, 14456), (164, 14480), (166, 14504), (176, 14603), (179, 14651), (195, 14789), (198, 14819), (206, 14873),

Gene: Emma_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Emma_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Empress_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Empress_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Ennea_30 Start: 13824, Stop: 15503, Start Num: 35

Candidate Starts for Ennea_30:

(Start: 35 @13824 has 22 MA's), (59, 13974), (67, 14031), (69, 14058), (71, 14070), (75, 14109), (80, 14142), (115, 14484), (119, 14511), (128, 14679), (129, 14691), (130, 14724), (134, 14802), (144, 14904), (156, 15018), (164, 15099), (165, 15114), (169, 15156), (176, 15222), (177, 15234), (179, 15270), (184, 15297), (190, 15366), (191, 15369), (198, 15438),

Gene: Eradicator_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Eradicator_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (54, 674), (60, 719), (67, 758), (78, 845), (79, 851), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Estave1_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Estave1_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (99, 998), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (125, 1346), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (180, 1964), (182, 1979), (185, 2006), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Fancypants_2 Start: 653, Stop: 2209, Start Num: 50

Candidate Starts for Fancypants_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (125, 1346), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (180, 1964), (182, 1979), (185, 2006), (188, 2039), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Fastidio_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Fastidio_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Filuzino_2 Start: 588, Stop: 2225, Start Num: 36

Candidate Starts for Filuzino_2:

(Start: 36 @588 has 147 MA's), (42, 603), (Start: 43 @612 has 3 MA's), (44, 618), (Start: 47 @645 has 1 MA's), (Start: 50 @669 has 2 MA's), (51, 672), (60, 735), (61, 753), (67, 774), (78, 861), (79, 867), (84, 921), (85, 933), (87, 945), (89, 954), (90, 957), (91, 978), (93, 999), (99, 1014), (106, 1071), (108, 1110), (112, 1179), (113, 1185), (115, 1215), (116, 1218), (117, 1227), (119, 1242), (120, 1260), (121, 1311), (128, 1413), (138, 1584), (140, 1596), (143, 1614), (149, 1680), (152, 1710), (153, 1713), (154, 1716), (159, 1773), (162, 1788), (163, 1794), (164, 1797), (165, 1812), (166, 1821), (174, 1890), (175, 1920), (176, 1929), (178, 1962), (182, 1995), (185, 2022), (188, 2055), (190, 2082), (191, 2085), (193, 2106), (195, 2130), (196, 2139), (197, 2142), (203, 2199),

Gene: Firehouse51_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Firehouse51_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Flapper_28 Start: 13656, Stop: 15332, Start Num: 35

Candidate Starts for Flapper_28:

(Start: 35 @13656 has 22 MA's), (59, 13806), (67, 13863), (69, 13890), (71, 13902), (74, 13932), (89, 14052), (115, 14316), (119, 14343), (128, 14511), (129, 14523), (130, 14556), (134, 14634), (142, 14715), (149, 14784), (154, 14820), (156, 14850), (164, 14931), (165, 14946), (171, 15006), (176, 15054), (195, 15240), (198, 15270), (202, 15303),

Gene: Float294_26 Start: 13266, Stop: 14945, Start Num: 35

Candidate Starts for Float294_26:

(Start: 35 @13266 has 22 MA's), (59, 13416), (67, 13473), (69, 13500), (71, 13512), (75, 13551), (80, 13584), (115, 13926), (119, 13953), (128, 14121), (129, 14133), (130, 14166), (134, 14244), (144, 14346), (156, 14460), (164, 14541), (165, 14556), (169, 14598), (176, 14664), (177, 14676), (179, 14712), (184, 14739), (190, 14808), (191, 14811), (198, 14880),

Gene: Florinda_2 Start: 584, Stop: 2221, Start Num: 36

Candidate Starts for Florinda_2:

(Start: 36 @584 has 147 MA's), (42, 599), (Start: 43 @608 has 3 MA's), (44, 614), (Start: 47 @641 has 1 MA's), (Start: 50 @665 has 2 MA's), (51, 668), (60, 731), (61, 749), (67, 770), (78, 857), (79, 863), (84, 917), (85, 929), (89, 950), (90, 953), (91, 974), (93, 995), (99, 1010), (106, 1067), (108, 1106), (112, 1175), (113, 1181), (115, 1211), (116, 1214), (117, 1223), (119, 1238), (120, 1256), (121, 1307), (128, 1409), (138, 1580), (140, 1592), (143, 1610), (149, 1676), (152, 1706), (153, 1709), (154, 1712), (159, 1769), (162, 1784), (163, 1790), (164, 1793), (165, 1808), (166, 1817), (174, 1886), (175, 1916), (176, 1925), (178, 1958), (181, 1979), (182, 1991), (185, 2018), (187, 2042), (188, 2051), (190, 2078), (191, 2081), (193, 2102), (195, 2126), (196, 2135), (197, 2138), (203, 2195),

Gene: Foxboro_25 Start: 13660, Stop: 15387, Start Num: 33

Candidate Starts for Foxboro_25:

(17, 13426), (27, 13555), (Start: 33 @13660 has 19 MA's), (59, 13810), (66, 13861), (67, 13867), (71, 13906), (74, 13936), (79, 13960), (80, 13978), (81, 14005), (83, 14068), (85, 14086), (115, 14371), (119, 14398), (122, 14482), (128, 14566), (129, 14578), (130, 14611), (134, 14689), (141, 14767), (149, 14839), (153, 14872), (157, 14935), (159, 14962), (164, 14986), (166, 15010), (176, 15109), (179, 15157), (195, 15295), (198, 15325), (206, 15379),

Gene: FreddyB_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for FreddyB_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (99, 998), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175,

1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Fruitloop_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Fruitloop_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Fury_33 Start: 12931, Stop: 14610, Start Num: 33

Candidate Starts for Fury_33:

(Start: 33 @12931 has 19 MA's), (Start: 36 @12937 has 147 MA's), (54, 13042), (67, 13141), (71, 13180), (74, 13210), (79, 13234), (99, 13390), (115, 13591), (120, 13636), (128, 13786), (129, 13798), (153, 14092), (156, 14125), (164, 14206), (176, 14329), (177, 14341), (184, 14404), (190, 14473), (195, 14515), (198, 14545), (204, 14587), (206, 14602),

Gene: GAL1_4 Start: 1617, Stop: 3242, Start Num: 36

Candidate Starts for GAL1_4:

(Start: 36 @1617 has 147 MA's), (Start: 47 @1677 has 1 MA's), (51, 1704), (57, 1743), (58, 1761), (61, 1785), (62, 1794), (71, 1845), (74, 1875), (79, 1899), (80, 1917), (84, 1953), (85, 1968), (89, 1989), (94, 2037), (96, 2040), (97, 2043), (102, 2073), (107, 2139), (114, 2241), (115, 2250), (117, 2262), (120, 2295), (125, 2397), (127, 2436), (129, 2457), (130, 2490), (134, 2568), (135, 2574), (136, 2613), (137, 2619), (144, 2673), (147, 2700), (148, 2718), (149, 2721), (150, 2724), (155, 2763), (158, 2802), (159, 2817), (165, 2856), (166, 2865), (169, 2898), (172, 2928), (173, 2931), (176, 2964), (178, 2997), (179, 3012), (183, 3036), (187, 3072), (189, 3102), (191, 3111), (195, 3150), (198, 3180), (201, 3198), (206, 3234),

Gene: GRU1_terL Start: 5541, Stop: 7217, Start Num: 35

Candidate Starts for GRU1_terL:

(Start: 35 @5541 has 22 MA's), (59, 5691), (67, 5748), (69, 5775), (71, 5787), (74, 5817), (89, 5937), (115, 6201), (119, 6228), (122, 6312), (124, 6324), (128, 6396), (129, 6408), (130, 6441), (134, 6519), (142, 6600), (145, 6627), (149, 6669), (154, 6705), (156, 6735), (164, 6816), (165, 6831), (176, 6939), (195, 7125), (198, 7155),

Gene: GTE5_terL Start: 6550, Stop: 8226, Start Num: 35

Candidate Starts for GTE5_terL:

(Start: 35 @6550 has 22 MA's), (59, 6700), (67, 6757), (69, 6784), (71, 6796), (74, 6826), (115, 7210), (119, 7237), (128, 7405), (129, 7417), (130, 7450), (134, 7528), (142, 7609), (149, 7678), (154, 7714), (156, 7744), (164, 7825), (165, 7840), (171, 7900), (176, 7948), (195, 8134), (198, 8164),

Gene: GTE8_13 Start: 6443, Stop: 8170, Start Num: 33

Candidate Starts for GTE8_13:

(27, 6338), (Start: 33 @6443 has 19 MA's), (59, 6593), (66, 6644), (67, 6650), (71, 6689), (74, 6719), (85, 6869), (115, 7154), (119, 7181), (122, 7265), (128, 7349), (129, 7361), (130, 7394), (134, 7472), (149, 7622), (153, 7655), (164, 7769), (169, 7826), (176, 7892), (179, 7940), (195, 8078), (198, 8108),

Gene: GUmbie_2 Start: 588, Stop: 2225, Start Num: 36

Candidate Starts for GUmbie_2:

(Start: 36 @588 has 147 MA's), (42, 603), (Start: 43 @612 has 3 MA's), (44, 618), (Start: 47 @645 has 1 MA's), (Start: 50 @669 has 2 MA's), (51, 672), (60, 735), (61, 753), (67, 774), (78, 861), (79, 867), (84, 921), (85, 933), (87, 945), (89, 954), (90, 957), (91, 978), (93, 999), (99, 1014), (106, 1071), (108, 1110), (112, 1179), (113, 1185), (115, 1215), (116, 1218), (117, 1227), (119, 1242), (120, 1260), (121, 1311), (128, 1413), (138, 1584), (140, 1596), (143, 1614), (149, 1680), (152, 1710), (153, 1713), (154, 1716), (159, 1773), (162, 1788), (163, 1794), (164, 1797), (165, 1812), (166, 1821), (174, 1890), (175, 1920), (178, 1962), (180, 1980), (182, 1995), (185, 2022), (188, 2055), (190, 2082), (191, 2085), (193, 2106), (195, 2130), (196, 2139), (197, 2142), (203, 2199),

Gene: Galactic_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Galactic_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 47 @628 has 1 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (99, 997), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (180, 1963), (182, 1978), (185, 2005), (188, 2038), (190, 2065), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Gandolph_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Gandolph_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Geralt_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Geralt_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: GigiOuiOui_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for GigiOuiOui_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Girr_2 Start: 573, Stop: 2210, Start Num: 36

Candidate Starts for Girr_2:

(Start: 36 @573 has 147 MA's), (40, 582), (Start: 43 @597 has 3 MA's), (Start: 46 @618 has 1 MA's), (Start: 50 @654 has 2 MA's), (51, 657), (54, 675), (60, 720), (67, 759), (78, 846), (84, 906), (87, 930), (89, 939), (90, 942), (91, 963), (93, 984), (99, 999), (106, 1056), (108, 1095), (112, 1164), (113, 1170), (115, 1200), (116, 1203), (117, 1212), (119, 1227), (120, 1245), (121, 1296), (127, 1389), (128, 1398), (138, 1569), (140, 1581), (149, 1665), (152, 1695), (153, 1698), (154, 1701), (159, 1758), (162, 1773), (163, 1779), (164, 1782), (165, 1797), (166, 1806), (174, 1875), (175, 1905), (176, 1914), (178, 1947), (182, 1980), (185, 2007), (188, 2040), (191, 2070), (193, 2091), (195, 2115), (196, 2124), (197, 2127), (203, 2184),

Gene: Gorge_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Gorge_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (125, 1346), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: GrootJr_26 Start: 12510, Stop: 14237, Start Num: 33

Candidate Starts for GrootJr_26:

(17, 12276), (27, 12405), (Start: 33 @12510 has 19 MA's), (59, 12660), (66, 12711), (67, 12717), (71, 12756), (74, 12786), (79, 12810), (80, 12828), (81, 12855), (83, 12918), (85, 12936), (115, 13221), (119, 13248), (122, 13332), (128, 13416), (129, 13428), (130, 13461), (134, 13539), (141, 13617), (149, 13689), (153, 13722), (157, 13785), (159, 13812), (164, 13836), (166, 13860), (176, 13959), (179, 14007), (195, 14145), (198, 14175), (206, 14229),

Gene: Guppsters_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Guppsters_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (180, 1979), (182, 1994), (185, 2021), (188, 2054), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: GuyFagieri_28 Start: 13785, Stop: 15458, Start Num: 33

Candidate Starts for GuyFagieri_28:

(Start: 33 @13785 has 19 MA's), (59, 13929), (62, 13959), (66, 13980), (76, 14067), (85, 14154), (89, 14175), (91, 14199), (96, 14226), (102, 14259), (107, 14325), (111, 14373), (115, 14436), (119, 14463), (126, 14592), (128, 14631), (129, 14643), (134, 14754), (139, 14805), (149, 14901), (150, 14904), (157, 15003), (161, 15042), (164, 15054), (165, 15069), (173, 15144), (176, 15177), (178, 15210), (188, 15294), (189, 15315), (195, 15363), (205, 15438), (206, 15450),

Gene: Hades_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Hades_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109),

(112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Hamulus_2 Start: 588, Stop: 2225, Start Num: 36

Candidate Starts for Hamulus_2:

(Start: 36 @588 has 147 MA's), (42, 603), (Start: 43 @612 has 3 MA's), (44, 618), (Start: 47 @645 has 1 MA's), (Start: 50 @669 has 2 MA's), (51, 672), (60, 735), (61, 753), (67, 774), (78, 861), (79, 867), (84, 921), (85, 933), (87, 945), (89, 954), (90, 957), (91, 978), (93, 999), (99, 1014), (106, 1071), (108, 1110), (112, 1179), (113, 1185), (115, 1215), (116, 1218), (117, 1227), (119, 1242), (120, 1260), (121, 1311), (128, 1413), (138, 1584), (140, 1596), (143, 1614), (149, 1680), (152, 1710), (153, 1713), (154, 1716), (159, 1773), (162, 1788), (163, 1794), (164, 1797), (165, 1812), (166, 1821), (174, 1890), (175, 1920), (176, 1929), (178, 1962), (182, 1995), (185, 2022), (188, 2055), (190, 2082), (191, 2085), (193, 2106), (195, 2130), (196, 2139), (197, 2142), (203, 2199),

Gene: Harley_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Harley_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (180, 1964), (182, 1979), (185, 2006), (188, 2039), (189, 2060), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Hlubikazi_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Hlubikazi_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (178, 1946), (180, 1964), (182, 1979), (185, 2006), (188, 2039), (189, 2060), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: HubbaBubba_23 Start: 9084, Stop: 10811, Start Num: 35

Candidate Starts for HubbaBubba_23:

(Start: 35 @9084 has 22 MA's), (59, 9234), (66, 9285), (74, 9360), (75, 9369), (83, 9492), (85, 9510), (115, 9792), (119, 9819), (128, 9987), (129, 9999), (134, 10110), (153, 10293), (164, 10407), (165, 10422), (176, 10530), (190, 10674), (195, 10716), (198, 10746), (204, 10788),

Gene: IDyn_25 Start: 10480, Stop: 12207, Start Num: 35

Candidate Starts for IDyn_25:

(Start: 35 @10480 has 22 MA's), (59, 10630), (66, 10681), (71, 10726), (74, 10756), (75, 10765), (83, 10888), (85, 10906), (115, 11188), (119, 11215), (128, 11383), (129, 11395), (134, 11506), (153, 11689), (164, 11803), (165, 11818), (167, 11851), (176, 11926), (190, 12070), (195, 12112), (198, 12142), (204, 12184),

Gene: lbOuu_2 Start: 652, Stop: 2208, Start Num: 50

Candidate Starts for IbOuu_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: lbhubesi_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for lbhubesi_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (180, 1964), (182, 1979), (185, 2006), (188, 2039), (189, 2060), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Inventum_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Inventum_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: IrishSherpFalk_2 Start: 575, Stop: 2212, Start Num: 36

Candidate Starts for IrishSherpFalk_2:

(Start: 36 @575 has 147 MA's), (40, 584), (Start: 43 @599 has 3 MA's), (Start: 46 @620 has 1 MA's), (Start: 47 @632 has 1 MA's), (Start: 50 @656 has 2 MA's), (51, 659), (54, 677), (60, 722), (67, 761), (78, 848), (84, 908), (85, 920), (87, 932), (89, 941), (90, 944), (91, 965), (93, 986), (99, 1001), (106, 1058), (108, 1097), (112, 1166), (113, 1172), (115, 1202), (116, 1205), (117, 1214), (119, 1229), (120, 1247), (121, 1298), (127, 1391), (128, 1400), (138, 1571), (140, 1583), (143, 1601), (149, 1667), (152, 1697), (153, 1700), (154, 1703), (159, 1760), (162, 1775), (163, 1781), (164, 1784), (165, 1799), (166, 1808), (174, 1877), (175, 1907), (176, 1916), (178, 1949), (182, 1982), (185, 2009), (188, 2042), (190, 2069), (191, 2072), (193, 2093), (195, 2117), (196, 2126), (197, 2129), (203, 2186),

Gene: James_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for James_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Jacob_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Jacob_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (170, 1844), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Jifall16_23 Start: 12784, Stop: 14511, Start Num: 33

Candidate Starts for Jifall16_23:

(17, 12550), (27, 12679), (Start: 33 @12784 has 19 MA's), (59, 12934), (66, 12985), (67, 12991), (71, 13030), (74, 13060), (79, 13084), (80, 13102), (81, 13129), (83, 13192), (85, 13210), (115, 13495), (119, 13522), (122, 13606), (128, 13690), (129, 13702), (130, 13735), (134, 13813), (141, 13891), (149, 13963), (153, 13996), (157, 14059), (159, 14086), (164, 14110), (166, 14134), (176, 14233), (179, 14281), (195, 14419), (198, 14449), (206, 14503),

Gene: Jinglebell_2 Start: 605, Stop: 2218, Start Num: 43

Candidate Starts for Jinglebell_2:

(Start: 34 @578 has 1 MA's), (Start: 36 @581 has 147 MA's), (Start: 43 @605 has 3 MA's), (Start: 47 @638 has 1 MA's), (Start: 50 @662 has 2 MA's), (51, 665), (60, 728), (67, 767), (78, 854), (79, 860), (84, 914), (87, 938), (89, 947), (90, 950), (91, 971), (93, 992), (106, 1064), (108, 1103), (112, 1172), (113, 1178), (115, 1208), (116, 1211), (117, 1220), (119, 1235), (120, 1253), (121, 1304), (127, 1397), (128, 1406), (138, 1577), (140, 1589), (149, 1673), (152, 1703), (153, 1706), (154, 1709), (159, 1766), (162, 1781), (163, 1787), (164, 1790), (165, 1805), (166, 1814), (174, 1883), (175, 1913), (176, 1922), (178, 1955), (182, 1988), (185, 2015), (188, 2048), (189, 2069), (190, 2075), (191, 2078), (193, 2099), (195, 2123), (196, 2132), (197, 2135), (203, 2192),

Gene: JoeyJr_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for JoeyJr_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Juniper1_2 Start: 628, Stop: 2208, Start Num: 47

Candidate Starts for Juniper1_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 47 @628 has 1 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (125, 1345), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (180, 1963), (182, 1978), (183, 1993), (185, 2005), (188, 2038), (189, 2059), (190, 2065), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Kabluna_27 Start: 11923, Stop: 13647, Start Num: 37

Candidate Starts for Kabluna_27:

(Start: 35 @11917 has 22 MA's), (Start: 37 @11923 has 2 MA's), (59, 12067), (66, 12118), (67, 12124), (69, 12151), (71, 12163), (74, 12193), (79, 12217), (80, 12235), (115, 12628), (119, 12655), (128, 12823), (129, 12835), (130, 12868), (134, 12946), (156, 13162), (157, 13192), (164, 13243), (167, 13291), (176, 13366), (177, 13378), (179, 13414), (195, 13552), (198, 13582),

Gene: Karhdo_2 Start: 588, Stop: 2225, Start Num: 36

Candidate Starts for Karhdo_2:

(Start: 36 @588 has 147 MA's), (42, 603), (Start: 43 @612 has 3 MA's), (44, 618), (Start: 47 @645 has 1 MA's), (Start: 50 @669 has 2 MA's), (51, 672), (60, 735), (61, 753), (67, 774), (78, 861), (79, 867), (84, 921), (85, 933), (87, 945), (89, 954), (90, 957), (91, 978), (93, 999), (99, 1014), (106, 1071), (108, 1110), (112, 1179), (113, 1185), (115, 1215), (116, 1218), (117, 1227), (119, 1242), (120, 1260), (121, 1311), (128, 1413), (138, 1584), (140, 1596), (143, 1614), (149, 1680), (152, 1710), (153, 1713), (154, 1716), (159, 1773), (162, 1788), (163, 1794), (164, 1797), (165, 1812), (166, 1821), (174, 1890), (175, 1920), (176, 1929), (178, 1962), (182, 1995), (185, 2022), (188, 2055), (190, 2082), (191, 2085), (193, 2106), (195, 2130), (196, 2139), (197, 2142), (203, 2199),

Gene: Kenuha5_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Kenuha5_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Kersh_2 Start: 575, Stop: 2212, Start Num: 36

Candidate Starts for Kersh_2:

(Start: 36 @575 has 147 MA's), (40, 584), (Start: 43 @599 has 3 MA's), (Start: 46 @620 has 1 MA's), (Start: 47 @632 has 1 MA's), (Start: 50 @656 has 2 MA's), (51, 659), (54, 677), (60, 722), (67, 761), (78, 848), (84, 908), (85, 920), (87, 932), (89, 941), (90, 944), (91, 965), (93, 986), (99, 1001), (106, 1058), (108, 1097), (112, 1166), (113, 1172), (115, 1202), (116, 1205), (117, 1214), (119, 1229), (120, 1247), (121, 1298), (127, 1391), (128, 1400), (138, 1571), (140, 1583), (149, 1667), (152, 1697), (153, 1700), (154, 1703), (159, 1760), (162, 1775), (163, 1781), (164, 1784), (165, 1799), (166, 1808), (174, 1877), (175, 1907), (176, 1916), (178, 1949), (182, 1982), (185, 2009), (188, 2042), (190, 2069), (191, 2072), (193, 2093), (195, 2117), (196, 2126), (197, 2129), (203, 2186),

Gene: KidneyBean_24 Start: 12917, Stop: 14644, Start Num: 33

Candidate Starts for KidneyBean_24:

(17, 12683), (27, 12812), (Start: 33 @12917 has 19 MA's), (59, 13067), (66, 13118), (67, 13124), (71, 13163), (74, 13193), (79, 13217), (80, 13235), (81, 13262), (83, 13325), (115, 13628), (119, 13655), (122, 13739), (128, 13823), (129, 13835), (130, 13868), (134, 13946), (141, 14024), (149, 14096), (153, 14129), (157, 14192), (159, 14219), (164, 14243), (166, 14267), (176, 14366), (179, 14414), (195, 14552), (198, 14582), (206, 14636),

Gene: Kimchi1738_12 Start: 6780, Stop: 8363, Start Num: 49

Candidate Starts for Kimchi1738_12:

(19, 6516), (24, 6552), (Start: 49 @6780 has 1 MA's), (57, 6834), (68, 6924), (69, 6948), (73, 6990), (74, 6993), (79, 7017), (85, 7092), (86, 7095), (91, 7137), (95, 7164), (101, 7182), (103, 7209), (104, 7227), (105, 7230), (110, 7284), (115, 7368), (116, 7371), (118, 7392), (120, 7413), (123, 7485), (125, 7515), (128, 7566), (132, 7647), (150, 7842), (151, 7851), (161, 7944), (165, 7971), (166, 7980), (177, 8091), (184, 8154), (195, 8265), (196, 8274), (206, 8355),

Gene: KingMidas_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for KingMidas_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Koella_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Koella_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (99, 998), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Krakatau_3 Start: 1235, Stop: 2872, Start Num: 36

Candidate Starts for Krakatau_3:

(Start: 36 @1235 has 147 MA's), (42, 1250), (Start: 43 @1259 has 3 MA's), (44, 1265), (Start: 47 @1292 has 1 MA's), (Start: 50 @1316 has 2 MA's), (51, 1319), (60, 1382), (61, 1400), (67, 1421), (78, 1508), (79, 1514), (84, 1568), (85, 1580), (87, 1592), (89, 1601), (90, 1604), (91, 1625), (93, 1646), (99, 1661), (106, 1718), (108, 1757), (112, 1826), (113, 1832), (115, 1862), (116, 1865), (117, 1874), (119, 1889), (120, 1907), (121, 1958), (128, 2060), (138, 2231), (140, 2243), (143, 2261), (149, 2327), (152, 2357), (153, 2360), (154, 2363), (159, 2420), (162, 2435), (163, 2441), (164, 2444), (165, 2459), (166, 2468), (174, 2537), (175, 2567), (176, 2576), (178, 2609), (182, 2642), (185, 2669), (188, 2702), (190, 2729), (191, 2732), (193, 2753), (195, 2777), (196, 2786), (197, 2789), (203, 2846),

Gene: KristaRAM_3 Start: 1235, Stop: 2872, Start Num: 36

Candidate Starts for KristaRAM_3:

(Start: 36 @1235 has 147 MA's), (42, 1250), (Start: 43 @1259 has 3 MA's), (44, 1265), (Start: 47 @1292 has 1 MA's), (Start: 50 @1316 has 2 MA's), (51, 1319), (60, 1382), (61, 1400), (67, 1421), (78, 1508), (79, 1514), (84, 1568), (87, 1592), (89, 1601), (90, 1604), (91, 1625), (93, 1646), (99, 1661), (106, 1718), (108, 1757), (112, 1826), (113, 1832), (115, 1862), (116, 1865), (117, 1874), (119, 1889), (120, 1907), (121, 1958), (128, 2060), (138, 2231), (140, 2243), (143, 2261), (149, 2327), (152, 2357), (153, 2360), (154, 2363), (159, 2420), (162, 2435), (163, 2441), (164, 2444), (165, 2459), (166, 2468), (174, 2537), (175, 2567), (176, 2576), (178, 2609), (182, 2642), (185, 2669), (188, 2702), (190, 2729), (191, 2732), (193, 2753), (195, 2777), (196, 2786), (197, 2789), (203, 2846),

Gene: Kurt_24 Start: 13154, Stop: 14881, Start Num: 33

Candidate Starts for Kurt_24:

(17, 12920), (27, 13049), (Start: 33 @13154 has 19 MA's), (59, 13304), (66, 13355), (67, 13361), (71, 13400), (74, 13430), (79, 13454), (80, 13472), (81, 13499), (83, 13562), (85, 13580), (115, 13865), (119, 13892), (122, 13976), (128, 14060), (129, 14072), (130, 14105), (134, 14183), (141, 14261), (149, 14333), (153, 14366), (157, 14429), (159, 14456), (164, 14480), (166, 14504), (176, 14603), (179, 14651), (195, 14789), (198, 14819), (206, 14873),

Gene: LastJedi_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for LastJedi_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (99, 998), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Latretium_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Latretium_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 47 @628 has 1 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (61, 736), (67, 757), (78, 844), (79, 850), (84, 904), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (99, 997), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (180, 1963), (182, 1978), (185, 2005), (188, 2038), (190, 2065), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Leperchaun_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Leperchaun_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (128, 1397), (138, 1568), (140, 1580), (143, 1598), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: LilMoolah_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for LilMoolah_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (54, 674), (60, 719), (67, 758), (78, 845), (79, 851), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Lizziana_2 Start: 573, Stop: 2210, Start Num: 36

Candidate Starts for Lizziana_2:

(Start: 36 @573 has 147 MA's), (40, 582), (Start: 43 @597 has 3 MA's), (Start: 46 @618 has 1 MA's), (Start: 50 @654 has 2 MA's), (51, 657), (54, 675), (60, 720), (67, 759), (78, 846), (84, 906), (87, 930), (89, 939), (90, 942), (91, 963), (93, 984), (99, 999), (106, 1056), (108, 1095), (112, 1164), (113, 1170), (115, 1200), (116, 1203), (117, 1212), (119, 1227), (120, 1245), (121, 1296), (127, 1389), (128, 1398), (138, 1569), (140, 1581), (149, 1665), (152, 1695), (153, 1698), (154, 1701), (159, 1758), (162, 1773), (163, 1779), (164, 1782), (165, 1797), (166, 1806), (170, 1845), (174, 1875), (175, 1905), (176, 1914), (178, 1947), (182, 1980), (185, 2007), (188, 2040), (191, 2070), (193, 2091), (195, 2115), (196, 2124), (197, 2127), (203, 2184),

Gene: Llama_2 Start: 581, Stop: 2218, Start Num: 36

Candidate Starts for Llama_2:

(Start: 34 @578 has 1 MA's), (Start: 36 @581 has 147 MA's), (Start: 43 @605 has 3 MA's), (Start: 47 @638 has 1 MA's), (Start: 50 @662 has 2 MA's), (51, 665), (60, 728), (67, 767), (78, 854), (79, 860), (84, 914), (87, 938), (89, 947), (90, 950), (91, 971), (93, 992), (106, 1064), (108, 1103), (112, 1172), (113, 1178), (115, 1208), (116, 1211), (117, 1220), (119, 1235), (120, 1253), (121, 1304), (127, 1397), (128, 1406), (138, 1577), (140, 1589), (149, 1673), (152, 1703), (153, 1706), (154, 1709), (159, 1766), (162, 1781), (163, 1787), (164, 1790), (165, 1805), (166, 1814), (174, 1883), (175, 1913), (176, 1922), (178, 1955), (182, 1988), (185, 2015), (188, 2048), (189, 2069), (190, 2075), (191, 2078), (193, 2099), (195, 2123), (196, 2132), (197, 2135), (203, 2192),

Gene: Llij_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Llij_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (127, 1403), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (181, 1982), (182, 1994), (185, 2021), (188, 2054), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Lollipop1437_29 Start: 13812, Stop: 15491, Start Num: 35

Candidate Starts for Lollipop1437_29:

(Start: 35 @13812 has 22 MA's), (59, 13962), (67, 14019), (69, 14046), (71, 14058), (75, 14097), (80, 14130), (115, 14472), (119, 14499), (128, 14667), (129, 14679), (130, 14712), (134, 14790), (144, 14892), (156, 15006), (164, 15087), (165, 15102), (169, 15144), (176, 15210), (177, 15222), (179, 15258), (184, 15285), (190, 15354), (191, 15357), (198, 15426),

Gene: LunaBlu_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for LunaBlu_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 47 @628 has 1 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (99, 997), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (180, 1963), (182, 1978), (185, 2005), (188, 2038), (190, 2065), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: MacGully_32 Start: 14107, Stop: 15783, Start Num: 33

Candidate Starts for MacGully_32:

(Start: 33 @14107 has 19 MA's), (Start: 47 @14164 has 1 MA's), (59, 14251), (63, 14290), (64, 14293), (66, 14302), (80, 14419), (85, 14476), (89, 14497), (91, 14521), (96, 14548), (102, 14581), (107, 14647), (111, 14695), (115, 14758), (119, 14785), (128, 14953), (129, 14965), (134, 15076), (139, 15127), (141, 15154), (142, 15157), (159, 15355), (160, 15358), (166, 15403), (173, 15469), (176, 15502), (188, 15619), (189, 15640), (195, 15688), (198, 15718), (206, 15775),

Gene: MadMen_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for MadMen_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108,

1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Mahavrat_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Mahavrat_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 47 @628 has 1 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (180, 1963), (182, 1978), (185, 2005), (187, 2029), (188, 2038), (190, 2065), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Mandlovu_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Mandlovu_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (178, 1946), (180, 1964), (182, 1979), (185, 2006), (188, 2039), (189, 2060), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Mantra_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Mantra_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Maravista_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Maravista_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (61, 737), (67, 758), (78, 845), (79, 851), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (99, 998), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (128, 1397), (138, 1568), (140, 1580), (143, 1598), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (181, 1967), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Marietta_26 Start: 10406, Stop: 12133, Start Num: 35

Candidate Starts for Marietta_26:

(Start: 35 @10406 has 22 MA's), (Start: 47 @10469 has 1 MA's), (59, 10556), (66, 10607), (71, 10652), (74, 10682), (75, 10691), (80, 10724), (83, 10814), (85, 10832), (115, 11114), (119, 11141), (128, 11309), (129, 11321), (134, 11432), (153, 11615), (164, 11729), (165, 11744), (167, 11777), (176, 11852), (190, 11996), (195, 12038), (198, 12068), (204, 12110),

Gene: Martik_2 Start: 573, Stop: 2210, Start Num: 36

Candidate Starts for Martik_2:

(Start: 36 @573 has 147 MA's), (40, 582), (Start: 43 @597 has 3 MA's), (Start: 46 @618 has 1 MA's), (Start: 50 @654 has 2 MA's), (51, 657), (54, 675), (60, 720), (67, 759), (78, 846), (84, 906), (87, 930), (89, 939), (90, 942), (91, 963), (93, 984), (99, 999), (106, 1056), (108, 1095), (112, 1164), (113, 1170), (115, 1200), (116, 1203), (117, 1212), (119, 1227), (120, 1245), (121, 1296), (127, 1389), (128, 1398), (138, 1569), (140, 1581), (149, 1665), (152, 1695), (153, 1698), (154, 1701), (159, 1758), (162, 1773), (163, 1779), (164, 1782), (165, 1797), (166, 1806), (170, 1845), (174, 1875), (175, 1905), (176, 1914), (178, 1947), (182, 1980), (185, 2007), (188, 2040), (191, 2070), (193, 2091), (195, 2115), (196, 2124), (197, 2127), (203, 2184),

Gene: Maselop_28 Start: 14057, Stop: 15730, Start Num: 33

Candidate Starts for Maselop_28:

(Start: 33 @14057 has 19 MA's), (59, 14201), (66, 14252), (85, 14426), (89, 14447), (91, 14471), (96, 14498), (102, 14531), (107, 14597), (111, 14645), (115, 14708), (119, 14735), (128, 14903), (129, 14915), (134, 15026), (139, 15077), (150, 15176), (157, 15275), (158, 15287), (161, 15314), (164, 15326), (165, 15341), (173, 15416), (176, 15449), (178, 15482), (188, 15566), (189, 15587), (195, 15635), (205, 15710),

Gene: Mattes_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Mattes_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Melissauren88_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Melissauren88_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: MerCougar_25 Start: 13111, Stop: 14841, Start Num: 35

Candidate Starts for MerCougar_25:

(Start: 35 @13111 has 22 MA's), (Start: 37 @13117 has 2 MA's), (66, 13312), (67, 13318), (71, 13357), (74, 13387), (79, 13411), (80, 13429), (115, 13822), (119, 13849), (128, 14017), (129, 14029), (130, 14062), (134, 14140), (153, 14323), (156, 14356), (157, 14386), (164, 14437), (167, 14485), (176, 14560), (177, 14572), (179, 14608), (195, 14746), (198, 14776),

Gene: MilanaBonita_3 Start: 1235, Stop: 2872, Start Num: 36

Candidate Starts for MilanaBonita_3:

(Start: 36 @1235 has 147 MA's), (42, 1250), (Start: 43 @1259 has 3 MA's), (44, 1265), (Start: 47 @1292 has 1 MA's), (Start: 50 @1316 has 2 MA's), (51, 1319), (60, 1382), (61, 1400), (67, 1421), (78, 1508), (79, 1514), (84, 1568), (85, 1580), (89, 1601), (90, 1604), (91, 1625), (93, 1646), (99, 1661), (106, 1718), (108, 1757), (112, 1826), (113, 1832), (115, 1862), (116, 1865), (117, 1874), (119, 1889), (120, 1907), (121, 1958), (128, 2060), (138, 2231), (140, 2243), (143, 2261), (149, 2327), (152, 2357), (153, 2360), (154, 2363), (159, 2420), (162, 2435), (163, 2441), (164, 2444), (165, 2459), (166, 2468), (174, 2537), (175, 2567), (176, 2576), (178, 2609), (182, 2642), (185, 2669), (188, 2702), (190, 2729), (191, 2732), (193, 2753), (195, 2777), (196, 2786), (197, 2789), (203, 2846),

Gene: MilleniumForce_3 Start: 1235, Stop: 2872, Start Num: 36

Candidate Starts for MilleniumForce_3:

(Start: 36 @1235 has 147 MA's), (42, 1250), (Start: 43 @1259 has 3 MA's), (44, 1265), (Start: 47 @1292 has 1 MA's), (Start: 50 @1316 has 2 MA's), (51, 1319), (60, 1382), (61, 1400), (67, 1421), (78, 1508), (79, 1514), (84, 1568), (85, 1580), (87, 1592), (89, 1601), (90, 1604), (91, 1625), (93, 1646), (99, 1661), (106, 1718), (108, 1757), (112, 1826), (113, 1832), (115, 1862), (116, 1865), (117, 1874), (119, 1889), (120, 1907), (121, 1958), (128, 2060), (138, 2231), (140, 2243), (143, 2261), (149, 2327), (152, 2357), (153, 2360), (154, 2363), (159, 2420), (162, 2435), (163, 2441), (164, 2444), (165, 2459), (166, 2468), (174, 2537), (175, 2567), (176, 2576), (178, 2609), (182, 2642), (185, 2669), (188, 2702), (190, 2729), (191, 2732), (193, 2753), (195, 2777), (196, 2786), (197, 2789), (203, 2846),

Gene: MinionDave_3 Start: 1235, Stop: 2872, Start Num: 36

Candidate Starts for MinionDave_3:

(Start: 36 @1235 has 147 MA's), (42, 1250), (Start: 43 @1259 has 3 MA's), (44, 1265), (Start: 47 @1292 has 1 MA's), (Start: 50 @1316 has 2 MA's), (51, 1319), (60, 1382), (61, 1400), (67, 1421), (78, 1508), (79, 1514), (84, 1568), (85, 1580), (87, 1592), (89, 1601), (90, 1604), (91, 1625), (93, 1646), (99, 1661), (106, 1718), (108, 1757), (112, 1826), (113, 1832), (115, 1862), (116, 1865), (117, 1874), (119, 1889), (120, 1907), (121, 1958), (128, 2060), (138, 2231), (140, 2243), (143, 2261), (149, 2327), (152, 2357), (153, 2360), (154, 2363), (159, 2420), (162, 2435), (163, 2441), (164, 2444), (165, 2459), (166, 2468), (174, 2537), (175, 2567), (176, 2576), (178, 2609), (182, 2642), (185, 2669), (188, 2702), (190, 2729), (191, 2732), (193, 2753), (195, 2777), (196, 2786), (197, 2789), (203, 2846),

Gene: Minnie_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Minnie_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: MisterCuddles_2 Start: 573, Stop: 2210, Start Num: 36

Candidate Starts for MisterCuddles_2:

(Start: 36 @573 has 147 MA's), (40, 582), (Start: 43 @597 has 3 MA's), (Start: 46 @618 has 1 MA's), (Start: 50 @654 has 2 MA's), (51, 657), (54, 675), (60, 720), (67, 759), (78, 846), (84, 906), (87, 930), (89, 939), (90, 942), (91, 963), (93, 984), (99, 999), (106, 1056), (108, 1095), (112, 1164), (113, 1170), (115, 1200), (116, 1203), (117, 1212), (119, 1227), (120, 1245), (121, 1296), (127, 1389), (128, 1398), (138, 1569), (140, 1581), (149, 1665), (152, 1695), (153, 1698), (154, 1701), (159, 1758), (162, 1773), (163, 1779), (164, 1782), (165, 1797), (166, 1806), (174, 1875), (175, 1905), (176, 1914), (178, 1947), (182, 1980), (185, 2007), (188, 2040), (191, 2070), (193, 2091), (195, 2115), (196, 2124), (197, 2127), (203, 2184),

Gene: Modragons_2 Start: 578, Stop: 2218, Start Num: 34

Candidate Starts for Modragons_2:

(Start: 34 @578 has 1 MA's), (Start: 36 @581 has 147 MA's), (Start: 43 @605 has 3 MA's), (Start: 47 @638 has 1 MA's), (Start: 50 @662 has 2 MA's), (51, 665), (60, 728), (67, 767), (78, 854), (79, 860), (84, 914), (87, 938), (89, 947), (90, 950), (91, 971), (93, 992), (106, 1064), (108, 1103), (112, 1172), (113, 1178), (115, 1208), (116, 1211), (117, 1220), (119, 1235), (120, 1253), (121, 1304), (127, 1397), (128, 1406), (138, 1577), (140, 1589), (149, 1673), (152, 1703), (153, 1706), (154, 1709), (159, 1766), (162, 1781), (163, 1787), (164, 1790), (165, 1805), (166, 1814), (174, 1883), (175, 1913), (176, 1922), (178, 1955), (182, 1988), (185, 2015), (188, 2048), (189, 2069), (190, 2075), (191, 2078), (193, 2099), (195, 2123), (196, 2132), (197, 2135), (203, 2192),

Gene: Moonbeam_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Moonbeam_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (54, 674), (60, 719), (67, 758), (78, 845), (79, 851), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Ms6_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Ms6_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: MulchSalad_2 Start: 586, Stop: 2223, Start Num: 36

Candidate Starts for MulchSalad_2:

(Start: 36 @586 has 147 MA's), (42, 601), (Start: 43 @610 has 3 MA's), (44, 616), (Start: 47 @643 has 1 MA's), (Start: 50 @667 has 2 MA's), (51, 670), (60, 733), (61, 751), (67, 772), (78, 859), (79, 865), (84, 919), (87, 943), (89, 952), (90, 955), (91, 976), (93, 997), (99, 1012), (106, 1069), (108, 1108), (112, 1177), (113, 1183), (115, 1213), (116, 1216), (117, 1225), (119, 1240), (120, 1258), (121, 1309), (125, 1360), (127, 1402), (128, 1411), (138, 1582), (140, 1594), (143, 1612), (149, 1678), (152, 1708), (153, 1711), (154, 1714), (159, 1771), (162, 1786), (163, 1792), (164, 1795), (165, 1810), (166, 1819), (174, 1888), (175, 1918), (176, 1927), (178, 1960), (182, 1993), (185, 2020), (188, 2053), (190, 2080), (191, 2083), (193, 2104), (195, 2128), (196, 2137), (197, 2140), (203, 2197),

Gene: Mutaforma13_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Mutaforma13_2:

(Start: 36 @587 has 147 MA's), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 46 @632 has 1 MA's), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166,

1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (203, 2198),

Gene: NadineRae_24 Start: 9655, Stop: 11382, Start Num: 35

Candidate Starts for NadineRae_24:

(Start: 35 @9655 has 22 MA's), (Start: 47 @9718 has 1 MA's), (59, 9805), (66, 9856), (71, 9901), (74, 9931), (75, 9940), (80, 9973), (83, 10063), (85, 10081), (115, 10363), (119, 10390), (128, 10558), (129, 10570), (134, 10681), (153, 10864), (164, 10978), (165, 10993), (167, 11026), (176, 11101), (190, 11245), (195, 11287), (198, 11317), (204, 11359),

Gene: NatB6_24 Start: 12178, Stop: 13905, Start Num: 33

Candidate Starts for NatB6_24:

(17, 11944), (27, 12073), (Start: 33 @12178 has 19 MA's), (59, 12328), (66, 12379), (67, 12385), (71, 12424), (74, 12454), (79, 12478), (80, 12496), (81, 12523), (83, 12586), (85, 12604), (115, 12889), (119, 12916), (122, 13000), (128, 13084), (129, 13096), (130, 13129), (134, 13207), (141, 13285), (149, 13357), (153, 13390), (157, 13453), (159, 13480), (164, 13504), (166, 13528), (176, 13627), (179, 13675), (195, 13813), (198, 13843), (206, 13897),

Gene: Nimbo_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Nimbo_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Nitzel_3 Start: 1235, Stop: 2872, Start Num: 36

Candidate Starts for Nitzel_3:

(Start: 34 @1232 has 1 MA's), (Start: 36 @1235 has 147 MA's), (Start: 43 @1259 has 3 MA's), (44, 1265), (Start: 46 @1280 has 1 MA's), (Start: 47 @1292 has 1 MA's), (Start: 50 @1316 has 2 MA's), (51, 1319), (60, 1382), (61, 1400), (67, 1421), (78, 1508), (79, 1514), (84, 1568), (85, 1580), (87, 1592), (89, 1601), (90, 1604), (91, 1625), (93, 1646), (99, 1661), (106, 1718), (108, 1757), (112, 1826), (113, 1832), (115, 1862), (116, 1865), (117, 1874), (119, 1889), (120, 1907), (121, 1958), (128, 2060), (138, 2231), (140, 2243), (143, 2261), (149, 2327), (152, 2357), (153, 2360), (154, 2363), (159, 2420), (162, 2435), (163, 2441), (164, 2444), (165, 2459), (166, 2468), (174, 2537), (175, 2567), (176, 2576), (178, 2609), (182, 2642), (185, 2669), (188, 2702), (190, 2729), (191, 2732), (193, 2753), (195, 2777), (196, 2786), (197, 2789), (203, 2846),

Gene: Nivrat_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Nivrat_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (54, 674), (60, 719), (67, 758), (78, 845), (79, 851), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (143, 1598), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: NormanBulbieJr_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for NormanBulbieJr_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (99, 998), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: NosilaM_27 Start: 12802, Stop: 14526, Start Num: 37

Candidate Starts for NosilaM_27:

(Start: 35 @12796 has 22 MA's), (Start: 37 @12802 has 2 MA's), (59, 12946), (66, 12997), (67, 13003), (69, 13030), (71, 13042), (74, 13072), (79, 13096), (80, 13114), (115, 13507), (119, 13534), (128, 13702), (129, 13714), (130, 13747), (134, 13825), (156, 14041), (157, 14071), (164, 14122), (167, 14170), (176, 14245), (177, 14257), (179, 14293), (195, 14431), (198, 14461),

Gene: NovumRegina_24 Start: 12509, Stop: 14236, Start Num: 33

Candidate Starts for NovumRegina_24:

(17, 12275), (27, 12404), (Start: 33 @12509 has 19 MA's), (59, 12659), (66, 12710), (67, 12716), (71, 12755), (74, 12785), (79, 12809), (80, 12827), (81, 12854), (83, 12917), (85, 12935), (115, 13220), (119, 13247), (122, 13331), (128, 13415), (129, 13427), (130, 13460), (134, 13538), (141, 13616), (149, 13688), (153, 13721), (157, 13784), (159, 13811), (164, 13835), (166, 13859), (176, 13958), (179, 14006), (195, 14144), (198, 14174), (206, 14228),

Gene: Ochi17_2 Start: 581, Stop: 2218, Start Num: 36

Candidate Starts for Ochi17_2:

(Start: 34 @578 has 1 MA's), (Start: 36 @581 has 147 MA's), (Start: 43 @605 has 3 MA's), (Start: 47 @638 has 1 MA's), (Start: 50 @662 has 2 MA's), (51, 665), (60, 728), (67, 767), (78, 854), (79, 860), (84, 914), (87, 938), (89, 947), (90, 950), (91, 971), (93, 992), (106, 1064), (108, 1103), (112, 1172), (113, 1178), (115, 1208), (116, 1211), (117, 1220), (119, 1235), (120, 1253), (121, 1304), (127, 1397), (128, 1406), (138, 1577), (140, 1589), (149, 1673), (152, 1703), (153, 1706), (154, 1709), (159, 1766), (162, 1781), (163, 1787), (164, 1790), (165, 1805), (166, 1814), (174, 1883), (175, 1913), (176, 1922), (178, 1955), (182, 1988), (185, 2015), (188, 2048), (189, 2069), (190, 2075), (191, 2078), (193, 2099), (195, 2123), (196, 2132), (197, 2135), (203, 2192),

Gene: OfUltron_2 Start: 605, Stop: 2218, Start Num: 43

Candidate Starts for OfUltron_2:

(Start: 34 @578 has 1 MA's), (Start: 36 @581 has 147 MA's), (Start: 43 @605 has 3 MA's), (Start: 47 @638 has 1 MA's), (Start: 50 @662 has 2 MA's), (51, 665), (60, 728), (67, 767), (78, 854), (79, 860), (84, 914), (87, 938), (89, 947), (90, 950), (91, 971), (93, 992), (106, 1064), (108, 1103), (112, 1172), (113, 1178), (115, 1208), (116, 1211), (117, 1220), (119, 1235), (120, 1253), (121, 1304), (127, 1397), (128, 1406), (138, 1577), (140, 1589), (149, 1673), (152, 1703), (153, 1706), (154, 1709), (159, 1766), (162, 1781), (163, 1787), (164, 1790), (165, 1805), (166, 1814), (174, 1883), (175, 1913), (176, 1922), (178, 1955), (182, 1988), (185, 2015), (188, 2048), (189, 2069), (190, 2075), (191, 2078), (193, 2099), (195, 2123), (196, 2132), (197, 2135), (203, 2192),

Gene: OldBen_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for OldBen_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795),

(166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: OlympiaSaint_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for OlympiaSaint_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (99, 998), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Outis_25 Start: 12805, Stop: 14535, Start Num: 35

Candidate Starts for Outis_25:

(Start: 35 @12805 has 22 MA's), (Start: 37 @12811 has 2 MA's), (66, 13006), (67, 13012), (71, 13051), (74, 13081), (80, 13123), (94, 13300), (115, 13516), (119, 13543), (128, 13711), (129, 13723), (130, 13756), (134, 13834), (153, 14017), (156, 14050), (157, 14080), (164, 14131), (167, 14179), (176, 14254), (177, 14266), (179, 14302), (195, 14440), (198, 14470),

Gene: Ovechkin_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Ovechkin_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: P1201_27 Start: 12800, Stop: 15562, Start Num: 1

Candidate Starts for P1201_27:

(1, 12800), (2, 12992), (3, 13025), (4, 13055), (5, 13235), (6, 13262), (9, 13355), (10, 13400), (11, 13418), (13, 13502), (17, 13661), (20, 13706), (22, 13718), (23, 13721), (26, 13763), (28, 13823), (29, 13856), (32, 13886), (Start: 49 @13973 has 1 MA's), (53, 14000), (65, 14102), (74, 14198), (77, 14213), (91, 14342), (92, 14351), (98, 14375), (100, 14384), (101, 14387), (103, 14411), (104, 14429), (115, 14570), (120, 14615), (122, 14681), (125, 14717), (131, 14840), (134, 14891), (144, 14993), (150, 15044), (166, 15182), (173, 15248), (176, 15281), (186, 15386), (189, 15419), (192, 15437), (195, 15467), (200, 15512),

Gene: PHappiness_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for PHappiness_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: PMC_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for PMC_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (181, 1982), (182, 1994), (185, 2021), (188, 2054), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Pacc40_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Pacc40_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Patio_27 Start: 13048, Stop: 14727, Start Num: 35

Candidate Starts for Patio_27:

(Start: 35 @13048 has 22 MA's), (59, 13198), (67, 13255), (69, 13282), (71, 13294), (75, 13333), (80, 13366), (115, 13708), (119, 13735), (128, 13903), (129, 13915), (130, 13948), (134, 14026), (144, 14128), (156, 14242), (164, 14323), (165, 14338), (169, 14380), (176, 14446), (177, 14458), (179, 14494), (184, 14521), (190, 14590), (191, 14593), (198, 14662),

Gene: PeteyPab_12 Start: 6676, Stop: 8742, Start Num: 12

Candidate Starts for PeteyPab_12:

(Start: 12 @6676 has 5 MA's), (14, 6733), (18, 6871), (21, 6901), (25, 6925), (30, 7042), (31, 7063), (39, 7087), (48, 7150), (52, 7174), (71, 7336), (72, 7351), (73, 7369), (74, 7372), (79, 7396), (80, 7414), (85, 7471), (86, 7474), (91, 7516), (95, 7543), (101, 7561), (103, 7588), (104, 7606), (105, 7609), (110, 7663), (115, 7747), (116, 7750), (118, 7771), (120, 7792), (123, 7864), (125, 7894), (128, 7945), (132, 8026), (133, 8059), (150, 8221), (161, 8323), (165, 8350), (166, 8359), (177, 8470), (184, 8533), (195, 8644), (196, 8653), (206, 8734),

Gene: Phalconet_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Phalconet_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Phanphagia_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Phanphagia_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121,

1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Phasih_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Phasih_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Phatniss_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Phatniss_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (61, 737), (67, 758), (78, 845), (79, 851), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (99, 998), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: PhesterPhotato_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for PhesterPhotato_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Philus_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Philus_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (54, 674), (60, 719), (67, 758), (78, 845), (79, 851), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Phomeo_23 Start: 12804, Stop: 14531, Start Num: 33

Candidate Starts for Phomeo_23:

(17, 12570), (27, 12699), (Start: 33 @12804 has 19 MA's), (59, 12954), (66, 13005), (67, 13011), (71, 13050), (74, 13080), (79, 13104), (80, 13122), (81, 13149), (83, 13212), (85, 13230), (115, 13515),

(119, 13542), (122, 13626), (128, 13710), (129, 13722), (130, 13755), (134, 13833), (141, 13911), (149, 13983), (153, 14016), (157, 14079), (159, 14106), (164, 14130), (166, 14154), (176, 14253), (179, 14301), (195, 14439), (198, 14469), (206, 14523),

Gene: Pippy_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Pippy_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (99, 998), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Pleakley_33 Start: 12932, Stop: 14611, Start Num: 33

Candidate Starts for Pleakley_33:

(Start: 33 @12932 has 19 MA's), (Start: 36 @12938 has 147 MA's), (54, 13043), (67, 13142), (71, 13181), (74, 13211), (79, 13235), (99, 13391), (115, 13592), (120, 13637), (128, 13787), (129, 13799), (153, 14093), (156, 14126), (164, 14207), (176, 14330), (177, 14342), (184, 14405), (190, 14474), (195, 14516), (198, 14546), (204, 14588), (206, 14603),

Gene: Poenanya_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Poenanya_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Polka14_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Polka14_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Polyuki_28 Start: 14049, Stop: 15722, Start Num: 33

Candidate Starts for Polyuki_28:

(Start: 33 @14049 has 19 MA's), (59, 14193), (66, 14244), (71, 14289), (85, 14418), (89, 14439), (91, 14463), (96, 14490), (102, 14523), (107, 14589), (111, 14637), (115, 14700), (119, 14727), (128, 14895), (129, 14907), (134, 15018), (139, 15069), (150, 15168), (157, 15267), (158, 15279), (161, 15306), (164, 15318), (165, 15333), (173, 15408), (176, 15441), (178, 15474), (188, 15558), (189, 15579), (195, 15627), (205, 15702),

Gene: PopTart_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for PopTart_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: PotatoChip_12 Start: 6678, Stop: 8744, Start Num: 12

Candidate Starts for PotatoChip_12:

(Start: 12 @6678 has 5 MA's), (14, 6735), (18, 6873), (21, 6903), (25, 6927), (30, 7044), (31, 7065), (39, 7089), (48, 7152), (52, 7176), (71, 7338), (72, 7353), (73, 7371), (74, 7374), (79, 7398), (80, 7416), (85, 7473), (86, 7476), (91, 7518), (95, 7545), (101, 7563), (103, 7590), (104, 7608), (105, 7611), (110, 7665), (115, 7749), (116, 7752), (118, 7773), (120, 7794), (123, 7866), (125, 7896), (128, 7947), (132, 8028), (133, 8061), (150, 8223), (161, 8325), (165, 8352), (166, 8361), (177, 8472), (184, 8535), (195, 8646), (196, 8655), (206, 8736),

Gene: Priscilla_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Priscilla_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (99, 998), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: QuickMath_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for QuickMath_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Radiance_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Radiance_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: RedBird_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for RedBird_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Rita_2 Start: 588, Stop: 2225, Start Num: 36

Candidate Starts for Rita_2:

(Start: 36 @588 has 147 MA's), (42, 603), (Start: 43 @612 has 3 MA's), (44, 618), (Start: 47 @645 has 1 MA's), (Start: 50 @669 has 2 MA's), (51, 672), (60, 735), (61, 753), (67, 774), (78, 861), (79, 867), (84, 921), (85, 933), (87, 945), (89, 954), (90, 957), (91, 978), (93, 999), (99, 1014), (106, 1071), (108, 1110), (112, 1179), (113, 1185), (115, 1215), (116, 1218), (117, 1227), (119, 1242), (120, 1260), (121, 1311), (128, 1413), (138, 1584), (140, 1596), (143, 1614), (149, 1680), (152, 1710), (153, 1713), (154, 1716), (159, 1773), (162, 1788), (163, 1794), (164, 1797), (165, 1812), (166, 1821), (174, 1890), (175, 1920), (176, 1929), (178, 1962), (182, 1995), (185, 2022), (188, 2055), (190, 2082), (191, 2085), (193, 2106), (195, 2130), (196, 2139), (197, 2142), (203, 2199),

Gene: RitaG_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for RitaG_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Rockne_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Rockne_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (181, 1982), (182, 1994), (185, 2021), (188, 2054), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Royals2015_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Royals2015_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Ruby_2 Start: 573, Stop: 2210, Start Num: 36

Candidate Starts for Ruby_2:

(Start: 36 @573 has 147 MA's), (40, 582), (Start: 43 @597 has 3 MA's), (Start: 46 @618 has 1 MA's), (Start: 50 @654 has 2 MA's), (51, 657), (54, 675), (60, 720), (67, 759), (78, 846), (84, 906), (87, 930), (89, 939), (90, 942), (91, 963), (93, 984), (99, 999), (106, 1056), (108, 1095), (112, 1164), (113, 1170), (115, 1200), (116, 1203), (117, 1212), (119, 1227), (120, 1245), (121, 1296), (127, 1389), (128, 1398), (138, 1569), (140, 1581), (149, 1665), (152, 1695), (153, 1698), (154, 1701), (159, 1758), (162, 1773), (163, 1779), (164, 1782), (165, 1797), (166, 1806), (174, 1875), (175, 1905), (176, 1914), (178, 1947), (182, 1980), (185, 2007), (188, 2040), (191, 2070), (193, 2091), (195, 2115), (196, 2124), (197, 2127), (203, 2184),

Gene: SG4_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for SG4_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Saal_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Saal_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (125, 1346), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Sabbb_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Sabbb_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (125, 1361), (128, 1412), (138, 1583), (140, 1595), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (178, 1961), (180, 1979), (182, 1994), (185, 2021), (188, 2054), (189, 2075), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Sandalphon_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Sandalphon_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Sassafras_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Sassafras_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: SassyB_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for SassyB_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Scottish_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Scottish_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (60, 718), (67, 757), (78, 844), (84, 904), (85, 916), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Seabastian_2 Start: 605, Stop: 2218, Start Num: 43

Candidate Starts for Seabastian_2:

(Start: 34 @578 has 1 MA's), (Start: 36 @581 has 147 MA's), (Start: 43 @605 has 3 MA's), (Start: 47 @638 has 1 MA's), (Start: 50 @662 has 2 MA's), (51, 665), (60, 728), (67, 767), (78, 854), (79, 860), (84, 914), (87, 938), (89, 947), (90, 950), (91, 971), (93, 992), (106, 1064), (108, 1103), (112, 1172), (113, 1178), (115, 1208), (116, 1211), (117, 1220), (119, 1235), (120, 1253), (121, 1304), (127, 1397), (128, 1406), (138, 1577), (140, 1589), (149, 1673), (152, 1703), (153, 1706), (154, 1709), (159, 1766), (162, 1781), (163, 1787), (164, 1790), (165, 1805), (166, 1814), (174, 1883), (175, 1913), (176, 1922), (178, 1955), (182, 1988), (185, 2015), (188, 2048), (189, 2069), (190, 2075), (191, 2078), (193, 2099), (195, 2123), (196, 2132), (197, 2135), (203, 2192),

Gene: Shauna1_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Shauna1_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: ShiLan_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for ShiLan_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (170, 1844), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: ShowerHandel_2 Start: 573, Stop: 2210, Start Num: 36

Candidate Starts for ShowerHandel_2:

(Start: 36 @573 has 147 MA's), (40, 582), (Start: 43 @597 has 3 MA's), (Start: 46 @618 has 1 MA's), (Start: 50 @654 has 2 MA's), (51, 657), (54, 675), (60, 720), (67, 759), (78, 846), (84, 906), (87, 930), (89, 939), (90, 942), (91, 963), (93, 984), (99, 999), (106, 1056), (108, 1095), (112, 1164), (113, 1170), (115, 1200), (116, 1203), (117, 1212), (119, 1227), (120, 1245), (121, 1296), (127, 1389), (128, 1398), (138, 1569), (140, 1581), (149, 1665), (152, 1695), (153, 1698), (154, 1701), (159, 1758), (162, 1773), (163, 1779), (164, 1782), (165, 1797), (166, 1806), (170, 1845), (174, 1875), (175, 1905), (176, 1914), (178, 1947), (182, 1980), (185, 2007), (188, 2040), (191, 2070), (193, 2091), (195, 2115), (196, 2124), (197, 2127), (203, 2184),

Gene: ShroomBoi_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for ShroomBoi_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: SiSi_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for SiSi_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 46 @617 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (54, 674), (60, 719), (67, 758), (78, 845), (84, 905), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (99, 998), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Skysand_26 Start: 13268, Stop: 14947, Start Num: 35

Candidate Starts for Skysand_26:

(Start: 35 @13268 has 22 MA's), (59, 13418), (67, 13475), (69, 13502), (71, 13514), (75, 13553), (80, 13586), (115, 13928), (119, 13955), (128, 14123), (129, 14135), (130, 14168), (134, 14246), (144, 14348), (156, 14462), (164, 14543), (165, 14558), (169, 14600), (176, 14666), (177, 14678), (179, 14714), (184, 14741), (190, 14810), (191, 14813), (198, 14882),

Gene: Sparkdehlily_2 Start: 588, Stop: 2225, Start Num: 36

Candidate Starts for Sparkdehlily_2:

(Start: 36 @588 has 147 MA's), (42, 603), (Start: 43 @612 has 3 MA's), (44, 618), (Start: 47 @645 has 1 MA's), (Start: 50 @669 has 2 MA's), (51, 672), (60, 735), (61, 753), (67, 774), (78, 861), (79, 867), (84, 921), (85, 933), (87, 945), (89, 954), (90, 957), (91, 978), (93, 999), (106, 1071), (108, 1110), (112, 1179), (113, 1185), (115, 1215), (116, 1218), (117, 1227), (119, 1242), (120, 1260), (121, 1311), (128, 1413), (138, 1584), (140, 1596), (149, 1680), (152, 1710), (153, 1713), (154, 1716), (159, 1773), (162, 1788), (163, 1794), (164, 1797), (165, 1812), (166, 1821), (174, 1890), (175, 1920), (176, 1929), (178, 1962), (182, 1995), (185, 2022), (188, 2055), (190, 2082), (191, 2085), (193, 2106), (195, 2130), (196, 2139), (197, 2142), (203, 2199),

Gene: Spartacus_2 Start: 575, Stop: 2212, Start Num: 36

Candidate Starts for Spartacus_2:

(Start: 36 @575 has 147 MA's), (40, 584), (Start: 43 @599 has 3 MA's), (Start: 46 @620 has 1 MA's), (Start: 47 @632 has 1 MA's), (Start: 50 @656 has 2 MA's), (51, 659), (54, 677), (60, 722), (67, 761), (78, 848), (84, 908), (85, 920), (87, 932), (89, 941), (90, 944), (91, 965), (93, 986), (99, 1001), (106, 1058), (108, 1097), (112, 1166), (113, 1172), (115, 1202), (116, 1205), (117, 1214), (119, 1229), (120, 1247), (121, 1298), (127, 1391), (128, 1400), (138, 1571), (140, 1583), (143, 1601), (149, 1667), (152, 1697), (153, 1700), (154, 1703), (159, 1760), (162, 1775), (163, 1781), (164, 1784), (165, 1799), (166, 1808), (174, 1877), (175, 1907), (176, 1916), (178, 1949), (182, 1982), (185, 2009), (188, 2042), (190, 2069), (191, 2072), (193, 2093), (195, 2117), (196, 2126), (197, 2129), (203, 2186),

Gene: Spoonbill_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Spoonbill_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (85, 917), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (182, 1979), (185, 2006), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: StAnnes_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for StAnnes_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: StarStruck_25 Start: 12805, Stop: 14535, Start Num: 35

Candidate Starts for StarStruck_25:

(Start: 35 @12805 has 22 MA's), (Start: 37 @12811 has 2 MA's), (66, 13006), (67, 13012), (71, 13051), (74, 13081), (80, 13123), (94, 13300), (115, 13516), (119, 13543), (128, 13711), (129, 13723), (130, 13756), (134, 13834), (153, 14017), (156, 14050), (157, 14080), (164, 14131), (167, 14179), (176, 14254), (177, 14266), (179, 14302), (195, 14440), (198, 14470),

Gene: Stickynote_14 Start: 7569, Stop: 9554, Start Num: 15

Candidate Starts for Stickynote_14:

(7, 7305), (8, 7341), (Start: 15 @7569 has 1 MA's), (16, 7623), (21, 7713), (25, 7737), (30, 7854), (31, 7875), (39, 7899), (48, 7962), (52, 7986), (71, 8148), (72, 8163), (73, 8181), (74, 8184), (79, 8208), (80, 8226), (85, 8283), (86, 8286), (91, 8328), (95, 8355), (101, 8373), (103, 8400), (104, 8418), (105,

8421), (110, 8475), (115, 8559), (118, 8583), (120, 8604), (123, 8676), (125, 8706), (128, 8757), (132, 8838), (133, 8871), (150, 9033), (161, 9135), (165, 9162), (166, 9171), (177, 9282), (184, 9345), (195, 9456), (196, 9465), (206, 9546),

Gene: Strokeseat_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Strokeseat_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (178, 1946), (180, 1964), (182, 1979), (185, 2006), (188, 2039), (189, 2060), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Sukkupi_26 Start: 11957, Stop: 13684, Start Num: 35

Candidate Starts for Sukkupi_26:

(Start: 35 @11957 has 22 MA's), (59, 12107), (66, 12158), (74, 12233), (75, 12242), (83, 12365), (85, 12383), (115, 12665), (119, 12692), (128, 12860), (129, 12872), (134, 12983), (153, 13166), (164, 13280), (165, 13295), (167, 13328), (176, 13403), (190, 13547), (195, 13589), (198, 13619), (204, 13661),

Gene: SuperGrey_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for SuperGrey_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: SuperSulley_25 Start: 12984, Stop: 14714, Start Num: 35

Candidate Starts for SuperSulley_25:

(Start: 35 @12984 has 22 MA's), (Start: 37 @12990 has 2 MA's), (59, 13134), (66, 13185), (67, 13191), (69, 13218), (71, 13230), (74, 13260), (79, 13284), (80, 13302), (115, 13695), (119, 13722), (128, 13890), (129, 13902), (130, 13935), (134, 14013), (156, 14229), (157, 14259), (164, 14310), (167, 14358), (176, 14433), (177, 14445), (179, 14481), (195, 14619), (198, 14649),

Gene: SwagPigglett_2 Start: 573, Stop: 2210, Start Num: 36

Candidate Starts for SwagPigglett_2:

(Start: 36 @573 has 147 MA's), (40, 582), (Start: 43 @597 has 3 MA's), (Start: 46 @618 has 1 MA's), (Start: 50 @654 has 2 MA's), (51, 657), (54, 675), (60, 720), (67, 759), (78, 846), (84, 906), (87, 930), (89, 939), (90, 942), (91, 963), (93, 984), (99, 999), (106, 1056), (108, 1095), (112, 1164), (113, 1170), (115, 1200), (116, 1203), (117, 1212), (119, 1227), (120, 1245), (121, 1296), (127, 1389), (128, 1398), (138, 1569), (140, 1581), (149, 1665), (152, 1695), (153, 1698), (154, 1701), (159, 1758), (162, 1773), (163, 1779), (164, 1782), (165, 1797), (166, 1806), (170, 1845), (174, 1875), (175, 1905), (176, 1914), (178, 1947), (182, 1980), (185, 2007), (188, 2040), (191, 2070), (193, 2091), (195, 2115), (196, 2124), (197, 2127), (203, 2184),

Gene: TDanisky_2 Start: 588, Stop: 2225, Start Num: 36

Candidate Starts for TDanisky_2:

(Start: 36 @588 has 147 MA's), (42, 603), (Start: 43 @612 has 3 MA's), (44, 618), (Start: 47 @645 has 1 MA's), (Start: 50 @669 has 2 MA's), (51, 672), (60, 735), (61, 753), (67, 774), (78, 861), (79, 867), (84, 921), (85, 933), (87, 945), (89, 954), (90, 957), (91, 978), (93, 999), (106, 1071), (108, 1110), (112, 1179), (113, 1185), (115, 1215), (116, 1218), (117, 1227), (119, 1242), (120, 1260), (121, 1311), (128, 1413), (138, 1584), (140, 1596), (149, 1680), (152, 1710), (153, 1713), (154, 1716), (159, 1773), (162, 1788), (163, 1794), (164, 1797), (165, 1812), (166, 1821), (174, 1890), (175, 1920), (176, 1929), (178, 1962), (182, 1995), (185, 2022), (188, 2055), (190, 2082), (191, 2085), (193, 2106), (195, 2130), (196, 2139), (197, 2142), (203, 2199),

Gene: Taj_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Taj_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Tracker_24 Start: 11932, Stop: 13659, Start Num: 33

Candidate Starts for Tracker_24:

(17, 11698), (27, 11827), (Start: 33 @11932 has 19 MA's), (59, 12082), (66, 12133), (67, 12139), (71, 12178), (74, 12208), (79, 12232), (80, 12250), (81, 12277), (83, 12340), (85, 12358), (115, 12643), (119, 12670), (122, 12754), (128, 12838), (129, 12850), (130, 12883), (134, 12961), (141, 13039), (149, 13111), (153, 13144), (157, 13207), (159, 13234), (164, 13258), (166, 13282), (176, 13381), (179, 13429), (195, 13567), (198, 13597), (206, 13651),

Gene: Turuncu_28 Start: 13351, Stop: 15027, Start Num: 35

Candidate Starts for Turuncu_28:

(Start: 35 @13351 has 22 MA's), (59, 13501), (67, 13558), (69, 13585), (71, 13597), (74, 13627), (115, 14011), (119, 14038), (128, 14206), (129, 14218), (130, 14251), (134, 14329), (142, 14410), (149, 14479), (154, 14515), (156, 14545), (164, 14626), (165, 14641), (171, 14701), (176, 14749), (195, 14935), (198, 14965),

Gene: Tweety_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Tweety_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: VRedHorse_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for VRedHorse_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (99, 998), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (125, 1346), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162,

1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (180, 1964), (182, 1979), (185, 2006), (187, 2030), (188, 2039), (189, 2060), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Veteran_2 Start: 588, Stop: 2225, Start Num: 36

Candidate Starts for Veteran_2:

(Start: 36 @588 has 147 MA's), (42, 603), (Start: 43 @612 has 3 MA's), (44, 618), (Start: 47 @645 has 1 MA's), (Start: 50 @669 has 2 MA's), (51, 672), (60, 735), (61, 753), (67, 774), (78, 861), (79, 867), (84, 921), (85, 933), (87, 945), (89, 954), (90, 957), (91, 978), (93, 999), (99, 1014), (106, 1071), (108, 1110), (112, 1179), (113, 1185), (115, 1215), (116, 1218), (117, 1227), (119, 1242), (120, 1260), (121, 1311), (128, 1413), (138, 1584), (140, 1596), (143, 1614), (149, 1680), (152, 1710), (153, 1713), (154, 1716), (159, 1773), (162, 1788), (163, 1794), (164, 1797), (165, 1812), (166, 1821), (174, 1890), (175, 1920), (178, 1962), (180, 1980), (182, 1995), (185, 2022), (188, 2055), (190, 2082), (191, 2085), (193, 2106), (195, 2130), (196, 2139), (197, 2142), (203, 2199),

Gene: Wachhund_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Wachhund_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (99, 998), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (125, 1346), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (143, 1598), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (180, 1964), (182, 1979), (185, 2006), (187, 2030), (188, 2039), (189, 2060), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Wee_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Wee_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (89, 953), (90, 956), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Whatsapiecost_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Whatsapiecost_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Wheezy_24 Start: 12135, Stop: 13862, Start Num: 33

Candidate Starts for Wheezy_24:

(17, 11901), (27, 12030), (Start: 33 @12135 has 19 MA's), (59, 12285), (66, 12336), (67, 12342), (71, 12381), (74, 12411), (79, 12435), (80, 12453), (81, 12480), (83, 12543), (85, 12561), (115, 12846), (119, 12873), (122, 12957), (128, 13041), (129, 13053), (130, 13086), (134, 13164), (141, 13242),

(149, 13314), (153, 13347), (157, 13410), (159, 13437), (164, 13461), (166, 13485), (176, 13584), (179, 13632), (195, 13770), (198, 13800), (206, 13854),

Gene: WhoseManz_26 Start: 10017, Stop: 11744, Start Num: 35

Candidate Starts for WhoseManz_26:

(Start: 35 @10017 has 22 MA's), (Start: 47 @10080 has 1 MA's), (59, 10167), (66, 10218), (74, 10293), (75, 10302), (83, 10425), (85, 10443), (115, 10725), (119, 10752), (128, 10920), (129, 10932), (134, 11043), (153, 11226), (164, 11340), (165, 11355), (167, 11388), (176, 11463), (190, 11607), (195, 11649), (198, 11679), (204, 11721),

Gene: Whouxphf_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Whouxphf_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (128, 1397), (138, 1568), (140, 1580), (143, 1598), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (178, 1946), (180, 1964), (182, 1979), (185, 2006), (187, 2030), (188, 2039), (189, 2060), (190, 2066), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: WillSterrel_2 Start: 575, Stop: 2212, Start Num: 36

Candidate Starts for WillSterrel_2:

(Start: 36 @575 has 147 MA's), (40, 584), (Start: 43 @599 has 3 MA's), (Start: 46 @620 has 1 MA's), (Start: 47 @632 has 1 MA's), (Start: 50 @656 has 2 MA's), (51, 659), (54, 677), (60, 722), (67, 761), (78, 848), (84, 908), (85, 920), (87, 932), (89, 941), (90, 944), (91, 965), (93, 986), (99, 1001), (106, 1058), (108, 1097), (112, 1166), (113, 1172), (115, 1202), (116, 1205), (117, 1214), (119, 1229), (120, 1247), (121, 1298), (127, 1391), (128, 1400), (138, 1571), (140, 1583), (143, 1601), (149, 1667), (152, 1697), (153, 1700), (154, 1703), (159, 1760), (162, 1775), (163, 1781), (164, 1784), (165, 1799), (166, 1808), (174, 1877), (175, 1907), (176, 1916), (178, 1949), (182, 1982), (185, 2009), (188, 2042), (190, 2069), (191, 2072), (193, 2093), (195, 2117), (196, 2126), (197, 2129), (203, 2186),

Gene: XFactor_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for XFactor_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),

Gene: Yndexa_26 Start: 11957, Stop: 13684, Start Num: 35

Candidate Starts for Yndexa_26:

(Start: 35 @11957 has 22 MA's), (59, 12107), (66, 12158), (74, 12233), (75, 12242), (83, 12365), (85, 12383), (115, 12665), (119, 12692), (128, 12860), (129, 12872), (134, 12983), (153, 13166), (164, 13280), (165, 13295), (167, 13328), (176, 13403), (190, 13547), (195, 13589), (198, 13619), (204, 13661),

Gene: Yorick_2 Start: 571, Stop: 2208, Start Num: 36

Candidate Starts for Yorick_2:

(Start: 36 @571 has 147 MA's), (40, 580), (Start: 43 @595 has 3 MA's), (Start: 46 @616 has 1 MA's), (Start: 47 @628 has 1 MA's), (Start: 50 @652 has 2 MA's), (51, 655), (54, 673), (60, 718), (67, 757), (78, 844), (79, 850), (84, 904), (87, 928), (89, 937), (90, 940), (91, 961), (93, 982), (99, 997), (106, 1054), (108, 1093), (112, 1162), (113, 1168), (115, 1198), (116, 1201), (117, 1210), (119, 1225), (120, 1243), (121, 1294), (127, 1387), (128, 1396), (138, 1567), (140, 1579), (149, 1663), (152, 1693), (153, 1696), (154, 1699), (159, 1756), (162, 1771), (163, 1777), (164, 1780), (165, 1795), (166, 1804), (170, 1843), (174, 1873), (175, 1903), (176, 1912), (178, 1945), (182, 1978), (185, 2005), (188, 2038), (191, 2068), (193, 2089), (195, 2113), (196, 2122), (197, 2125), (203, 2182),

Gene: Zerg_2 Start: 572, Stop: 2209, Start Num: 36

Candidate Starts for Zerg_2:

(Start: 36 @572 has 147 MA's), (40, 581), (Start: 43 @596 has 3 MA's), (Start: 47 @629 has 1 MA's), (Start: 50 @653 has 2 MA's), (51, 656), (60, 719), (67, 758), (78, 845), (84, 905), (87, 929), (89, 938), (90, 941), (91, 962), (93, 983), (99, 998), (106, 1055), (108, 1094), (112, 1163), (113, 1169), (115, 1199), (116, 1202), (117, 1211), (119, 1226), (120, 1244), (121, 1295), (125, 1346), (127, 1388), (128, 1397), (138, 1568), (140, 1580), (149, 1664), (152, 1694), (153, 1697), (154, 1700), (159, 1757), (162, 1772), (163, 1778), (164, 1781), (165, 1796), (166, 1805), (174, 1874), (175, 1904), (176, 1913), (178, 1946), (180, 1964), (182, 1979), (185, 2006), (187, 2030), (188, 2039), (191, 2069), (193, 2090), (195, 2114), (196, 2123), (197, 2126), (203, 2183),

Gene: Zion_12 Start: 6676, Stop: 8742, Start Num: 12

Candidate Starts for Zion_12:

(Start: 12 @6676 has 5 MA's), (14, 6733), (18, 6871), (21, 6901), (25, 6925), (30, 7042), (31, 7063), (39, 7087), (48, 7150), (52, 7174), (71, 7336), (72, 7351), (73, 7369), (74, 7372), (79, 7396), (80, 7414), (85, 7471), (86, 7474), (91, 7516), (95, 7543), (101, 7561), (103, 7588), (104, 7606), (105, 7609), (110, 7663), (115, 7747), (116, 7750), (118, 7771), (120, 7792), (123, 7864), (125, 7894), (128, 7945), (132, 8026), (133, 8059), (150, 8221), (161, 8323), (165, 8350), (166, 8359), (177, 8470), (184, 8533), (195, 8644), (196, 8653), (206, 8734),

Gene: Zizzle_2 Start: 587, Stop: 2224, Start Num: 36

Candidate Starts for Zizzle_2:

(Start: 36 @587 has 147 MA's), (42, 602), (Start: 43 @611 has 3 MA's), (44, 617), (Start: 47 @644 has 1 MA's), (Start: 50 @668 has 2 MA's), (51, 671), (60, 734), (61, 752), (67, 773), (78, 860), (79, 866), (84, 920), (85, 932), (87, 944), (89, 953), (90, 956), (91, 977), (93, 998), (99, 1013), (106, 1070), (108, 1109), (112, 1178), (113, 1184), (115, 1214), (116, 1217), (117, 1226), (119, 1241), (120, 1259), (121, 1310), (128, 1412), (138, 1583), (140, 1595), (143, 1613), (149, 1679), (152, 1709), (153, 1712), (154, 1715), (159, 1772), (162, 1787), (163, 1793), (164, 1796), (165, 1811), (166, 1820), (174, 1889), (175, 1919), (176, 1928), (178, 1961), (182, 1994), (185, 2021), (188, 2054), (190, 2081), (191, 2084), (193, 2105), (195, 2129), (196, 2138), (197, 2141), (203, 2198),