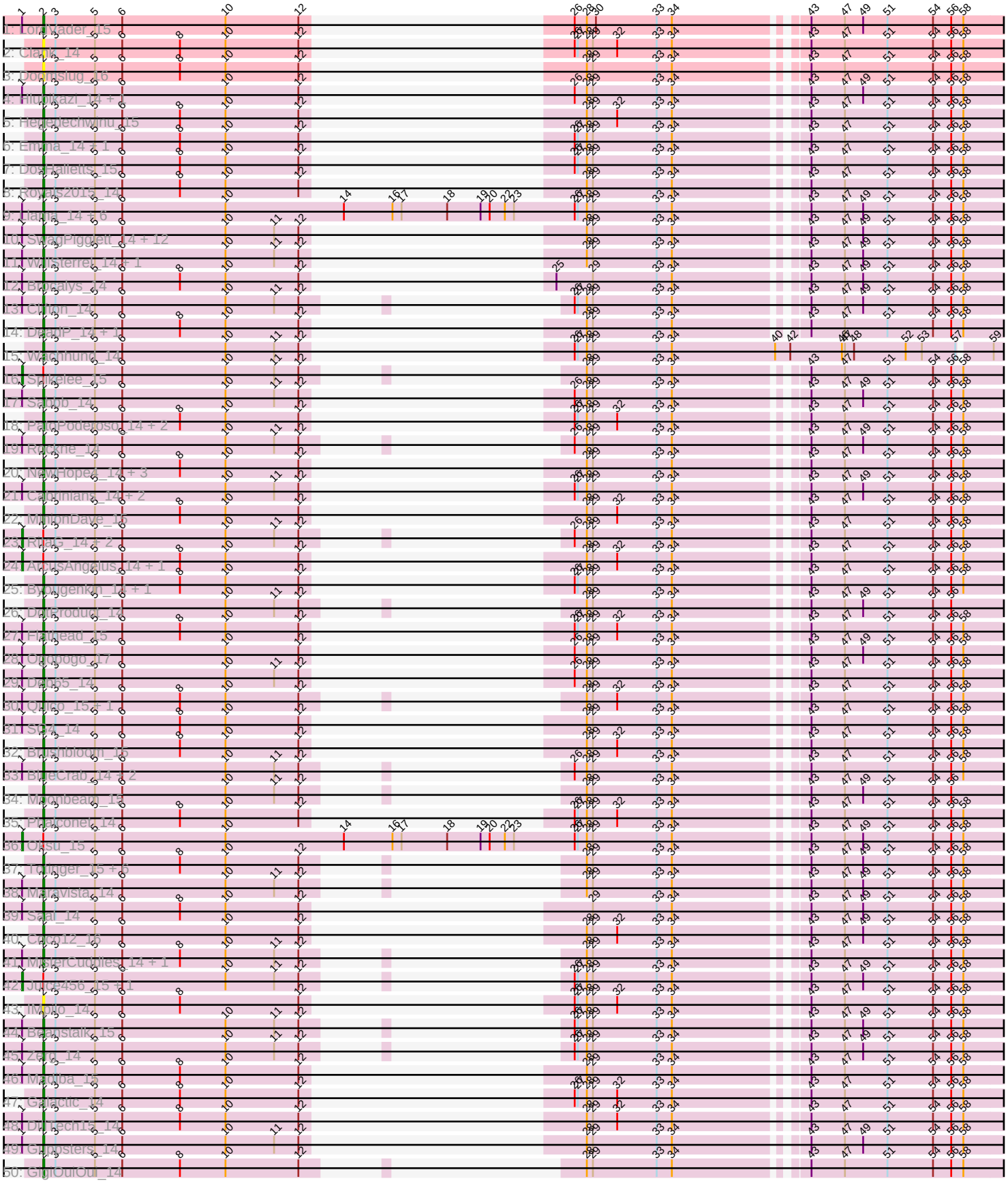
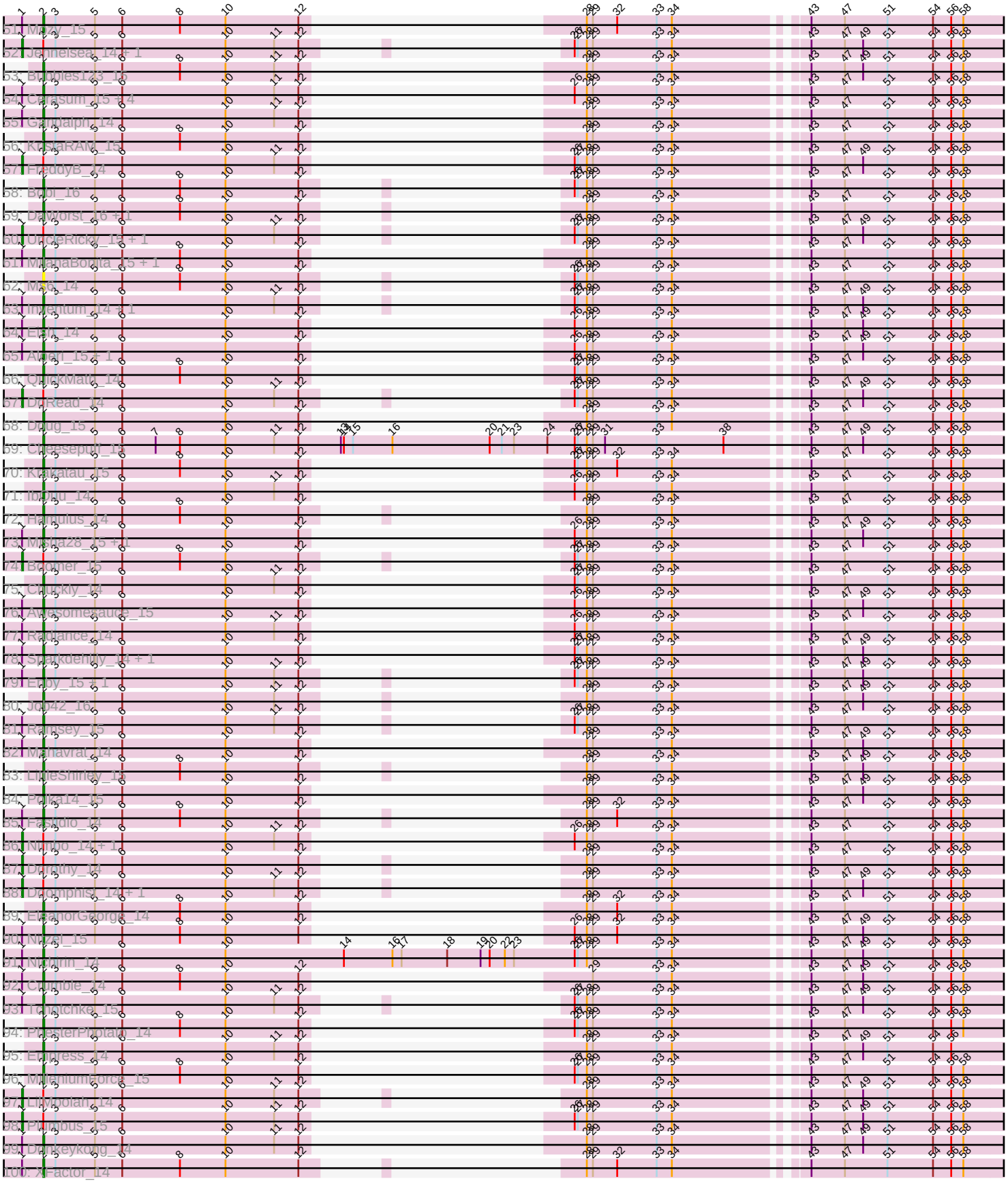
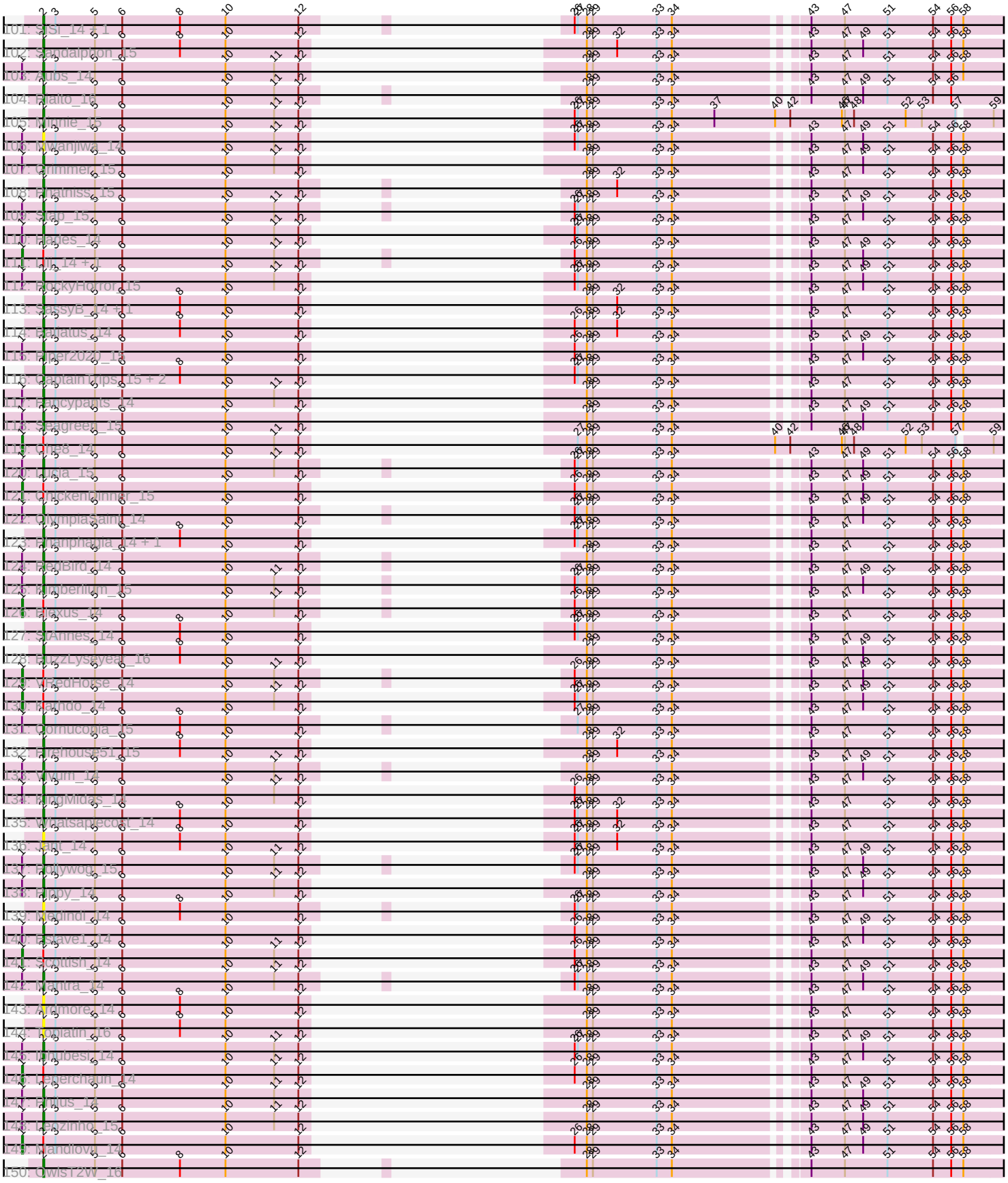
Zoomed Pham 347204



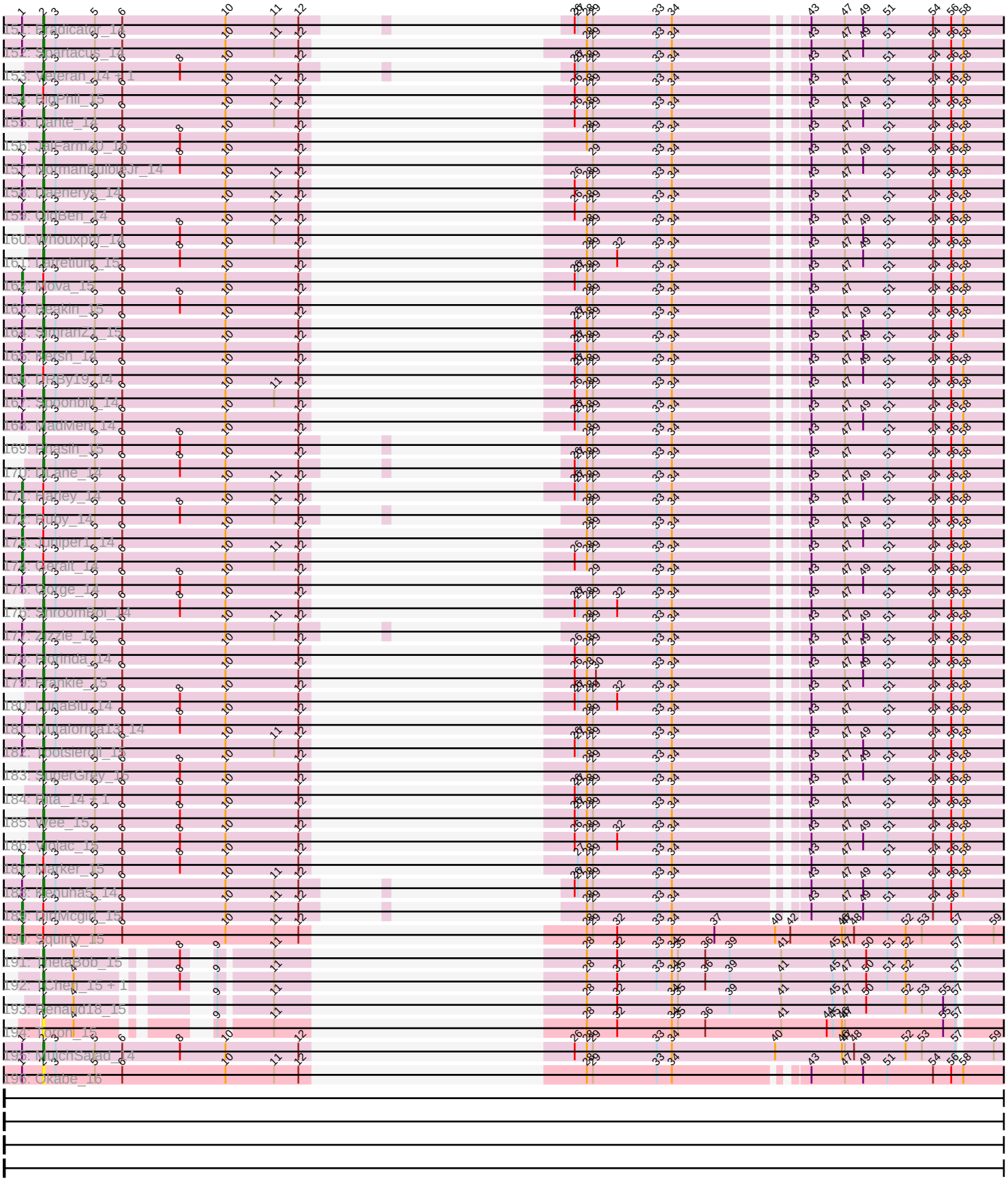
Zoomed Pham 347204



Zoomed Pham 347204



Zoomed Pham 347204



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 347204 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347204 has 264 members, 17 are drafts.

Phages represented in each track:
• Track 1 : LordVader_15
• Track 2 : Clank_14
• Track 3 : Doomslug_16
• Track 4 : Hlubikazi_14, Strokeseat_14
• Track 5 : Hegedechwinu_15
• Track 6 : Emma_14, Tweety_14
• Track 7 : DosHalletts_15
• Track 8 : Royals2015_14
• Track 9 : Llama_14, Modragons_14, Seabastian_14, AlpineSix_14, Jinglebell_13, OfUltron_14, Ochi17_14
• Track 10 : SwagPigglett_14, James_14, ShiLan_14, Burwell21_14, BobaPhett_14, LastJedi_14, ShowerHandel_14, Nivrat_14, Jarcob_14, Mattes_14, Lizziana_14, Martik_14, Yorick_14
• Track 11 : WillSterrel_14, IrishSherpFalk_14
• Track 12 : Brocalys_14
• Track 13 : Clifton_14
• Track 14 : DeadP_14, Taj_14
• Track 15 : Wachhund_14
• Track 16 : Spikelee_15
• Track 17 : Sabbb_14
• Track 18 : PatoPoderoso_14, Corium_14, KingJulian_14
• Track 19 : Rockne_14
• Track 20 : NewHope4_14, Enzomatic_15, Polo2Bam_15, SeaLumen_14
• Track 21 : Cabrinians_14, ByChance_14, Priscilla_14
• Track 22 : MinionDave_15
• Track 23 : RitaG_14, DaddyRickover_14, BodEinwohner17_14
• Track 24 : ArcusAngelus_14, Chevrolet_14
• Track 25 : Byougenkin_14, Ovechkin_14
• Track 26 : DotProduct_14
• Track 27 : Flathead_15
• Track 28 : Ogopogo_17
• Track 29 : Deb65_14
• Track 30 : Quico_15, Girafales_15
• Track 31 : SG4_14
• Track 32 : Brushbloom_15
• Track 33 : BlueCrab_14, Pacc40_14, JoeyJr_14
• Track 34 : Moonbeam_15

• Track 35 : Phalconet_14
• Track 36 : Oksu_15
• Track 37 : Totinger_15, EmiMonkey_14, Slim_15, Emmaloid_15, Starcevich_15, Peridot_15, PhlipPhlop_14
• Track 38 : Maravista_14
• Track 39 : Saal_14
• Track 40 : Coco12_16
• Track 41 : MisterCuddles_14, Girr_14
• Track 42 : Juice456_15, MulchExplorer_15
• Track 43 : IMpilo_14
• Track 44 : Beanstalk_15
• Track 45 : Zerg_14
• Track 46 : Madiba_15
• Track 47 : Galactic_14
• Track 48 : DillTech15_14
• Track 49 : Guppsters_14
• Track 50 : GigiOuiOui_14
• Track 51 : Mozy_15
• Track 52 : Jennelsea_14, Koella_14
• Track 53 : Bubbles123_15
• Track 54 : Cerasum_15, Sarma624_15, Velveteen_15, Kingsley_15, Brookers_15
• Track 55 : Gandalph_14
• Track 56 : KristaRAM_15
• Track 57 : FreddyB_14
• Track 58 : Bobi_16
• Track 59 : DaWorst_16, Alexphander_16
• Track 60 : UncleRicky_15, Drago_15
• Track 61 : MilanaBonita_15, Akhila_15
• Track 62 : Ms6_14
• Track 63 : Inventum_14, Sassafras_14
• Track 64 : Eish_14
• Track 65 : Aloeri_15, DocMcStuffins_15
• Track 66 : QuickMath_14
• Track 67 : DoRead_14
• Track 68 : Doug_15
• Track 69 : Cheesepuff_15
• Track 70 : Krakatau_15
• Track 71 : IbOuu_14
• Track 72 : Hamulus_14
• Track 73 : Misha28_15, TootsiePop_15
• Track 74 : Boomer_15
• Track 75 : Chuckly_14
• Track 76 : Awesomesauce_15
• Track 77 : Radiance_14
• Track 78 : Sparkdehlily_14, TDanisky_14
• Track 79 : Enby_15, Lorde_15
• Track 80 : Job42_16
• Track 81 : Ramsey_15
• Track 82 : Mahavrat_14
• Track 83 : LittleShirley_15
• Track 84 : Polka14_15
• Track 85 : Fastidio_14
• Track 86 : Nimbo_14, PHappiness_14

- Track 87 : Dorothy_14
- Track 88 : Doomphist_14, Poenanya_14
- Track 89 : EleanorGeorge_14
- Track 90 : Nitzel_15
- Track 91 : Nichirin_14
- Track 92 : Crumble_14
- Track 93 : Tchotchke_15
- Track 94 : PhesterPhotato_14
- Track 95 : Empress_14
- Track 96 : MilleniumForce_15
- Track 97 : LilMoolah_14
- Track 98 : Plumbus_15
- Track 99 : Donkeykong_14
- Track 100 : XFactor_14
- Track 101 : SiSi_14, Filuzino_14
- Track 102 : Sandalphon_15
- Track 103 : Aubs_14
- Track 104 : Rialto_16
- Track 105 : Minnie_15
- Track 106 : Mwanjiwa_14
- Track 107 : Grimmer_15
- Track 108 : Phatniss_15
- Track 109 : Stap_15
- Track 110 : Hades_14
- Track 111 : Llij_14, PMC_14
- Track 112 : RockyHorror_15
- Track 113 : SassyB_14, PopTart_14
- Track 114 : Batiatus_14
- Track 115 : Piper2020_15
- Track 116 : CaptainTrips_15, Fruitloop_14, Melissauren88_14
- Track 117 : Fancypants_14
- Track 118 : Seagreen_15
- Track 119 : Che8_14
- Track 120 : Lucia_15
- Track 121 : ChickenDinner_15
- Track 122 : OlympiaSaint_14
- Track 123 : Phanphagia_14, Shauna1_14
- Track 124 : RedBird_14
- Track 125 : Kimberlium_15
- Track 126 : Blexus_14
- Track 127 : StAnnes_14
- Track 128 : BuzzLyseyear_16
- Track 129 : VRedHorse_14
- Track 130 : Karhdo_14
- Track 131 : Cornucopia_15
- Track 132 : Firehouse51_15
- Track 133 : Vivum_14
- Track 134 : KingMidas_14
- Track 135 : Whatsapiecost_14
- Track 136 : Jant_14
- Track 137 : Pollywog_15
- Track 138 : Pippy_14
- Track 139 : Medindi_14

- Track 140 : Estave1_14
- Track 141 : Scottish_14
- Track 142 : Mantra_14
- Track 143 : Ardmore_14
- Track 144 : Topiatin_16
- Track 145 : Ibhubesi_14
- Track 146 : Leperchaun_14
- Track 147 : Philus_14
- Track 148 : Leozinho_15
- Track 149 : Mandlovu_14
- Track 150 : OwlsT2W_16
- Track 151 : Eradicator_14
- Track 152 : Spartacus_14
- Track 153 : Veteran_14, GUmbie_14
- Track 154 : BigPhil_15
- Track 155 : Dante_14
- Track 156 : JalFarm20_16
- Track 157 : NormanBulbieJr_14
- Track 158 : Daenerys_14
- Track 159 : OldBen_14
- Track 160 : Whouxphf_14
- Track 161 : Latretium_15
- Track 162 : Mova_15
- Track 163 : Beakin_15
- Track 164 : SimranZ1_15
- Track 165 : Kersh_14
- Track 166 : DRBy19_14
- Track 167 : Spoonbill_14
- Track 168 : MadMen_14
- Track 169 : Phasih_15
- Track 170 : DLane_14
- Track 171 : Harley_14
- Track 172 : Ruby_14
- Track 173 : Juniper1_14
- Track 174 : Geralt_14
- Track 175 : Gorge_14
- Track 176 : ShroomBoi_14
- Track 177 : Zizzle_14
- Track 178 : Florinda_14
- Track 179 : Frankie_15
- Track 180 : LunaBlu_14
- Track 181 : Mutaforma13_14
- Track 182 : Tootsieroll_15
- Track 183 : SuperGrey_15
- Track 184 : Rita_14, Bipolar_14
- Track 185 : Wee_15
- Track 186 : Violac_15
- Track 187 : Marker_15
- Track 188 : Kenuha5_14
- Track 189 : DirtMcgirt_15
- Track 190 : Squirty_15
- Track 191 : ThetaBob_15
- Track 192 : TChen_15, LunaStella_15

• Track 193 : Renaud18_15
• Track 194 : Toron_15
• Track 195 : MulchSalad_14
• Track 196 : Okabe_16

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

The start number called the most often in the published annotations is 2, it was called in 204 of the 247 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Akhila_15, Alexphander_16, Aloeri_15, AlpineSix_14, Ardmore_14, Aubs_14, Awesomesauce_15, Batiatus_14, Beakin_15, Beanstalk_15, Bipolar_14, BlueCrab_14, BobaPhett_14, Bobi_16, Brocalys_14, Brookers_15, Brushbloom_15, Bubbles123_15, Burwell21_14, BuzzLyseyear_16, ByChance_14, Byougenkin_14, Cabrinians_14, CaptainTrips_15, Cerasum_15, Cheesepuff_15, Chuckly_14, Clank_14, Clifton_14, Coco12_16, Corium_14, Cornucopia_15, Crumble_14, DLane_14, DaWorst_16, Daenerys_14, Dante_14, DeadP_14, Deb65_14, DillTech15_14, DocMcStuffins_15, Donkeykong_14, Doomslug_16, DosHalletts_15, DotProduct_14, Doug_15, Eish_14, EleanorGeorge_14, EmiMonkey_14, Emma_14, Emmaloid_15, Empress_14, Enby_15, Enzomatic_15, Eradicator_14, Estave1_14, Fancypants_14, Fastidio_14, Filuzino_14, Firehouse51_15, Flathead_15, Florinda_14, Frankie_15, Fruitloop_14, GUmbie_14, Galactic_14, Gandalph_14, GigiOuiOui_14, Girafales_15, Girr_14, Gorge_14, Grimmer_15, Guppsters_14, Hades_14, Hamulus_14, Hegedechwinu_15, Hlubikazi_14, IMpilo_14, IbOuu_14, Ibhubesi_14, Inventum_14, IrishSherpFalk_14, JalFarm20_16, James_14, Jant_14, Jarcob_14, Jinglebell_13, Job42_16, JoeyJr_14, Kenuha5_14, Kersh_14, Kimberlium_15, KingJulian_14, KingMidas_14, Kingsley_15, Krakatau_15, KristaRAM_15, LastJedi_14, Latretium_15, Leozinho_15, LittleShirley_15, Lizziana_14, Llama_14, LordVader_15, Lorde_15, Lucia_15, LunaBlu_14, LunaStella_15, MadMen_14, Madiba_15, Mahavrat_14, Mantra_14, Maravista_14, Martik_14, Mattes_14, Medindi_14, Melissauren88_14, MilanaBonita_15, MilleniumForce_15, MinionDave_15, Minnie_15, Misha28_15, MisterCuddles_14, Modragons_14, Moonbeam_15, Mozy_15, Ms6_14, MulchSalad_14, Mutaforma13_14, Mwanjiwa_14, NewHope4_14, Nichirin_14, Nitzel_15, Nivrat_14, NormanBulbieJr_14, Ochi17_14, OfUltron_14, Ogopogo_17, Okabe_16, OldBen_14, OlympiaSaint_14, Ovechkin_14, OwlsT2W_16, Pacc40_14, PatoPoderoso_14, Peridot_15, Phalconet_14, Phanphagia_14, Phasih_15, Phatniss_15, PhesterPhotato_14, Philus_14, PhlipPhlop_14, Piper2020_15, Pippy_14, Polka14_15, Pollywog_15, Polo2Bam_15, PopTart_14, Priscilla_14, QuickMath_14, Quico_15, Radiance_14, Ramsey_15, RedBird_14, Renaud18_15, Rialto_16, Rita_14, Rockne_14, RockyHorror_15, Royals2015_14, SG4_14, Saal_14, Sabbb_14, Sandalphon_15, Sarma624_15, Sassafras_14, SassyB_14, SeaLumen_14, Seabastian_14, Seagreen_15, Shauna1_14, ShiLan_14, ShowerHandel_14, ShroomBoi_14, SiSi_14, SimranZ1_15, Slim_15, Sparkdehlily_14, Spartacus_14, Spoonbill_14, StAnnes_14, Stap_15, Starcevich_15, Strokeseat_14, SuperGrey_15, SwagPigglett_14, TChen_15, TDanisky_14, Taj_14, Tchotchke_15, ThetaBob_15, TootsiePop_15, Tootsieroll_15, Topiatin_16, Toron_15, Totinger_15, Tweety_14, Velveteen_15, Veteran_14, Violac_15, Vivum_14, Wachhund_14, Wee_15, Whatsapiecost_14, Whouxphf_14, WillSterrel_14,

XFactor_14, Yorick_14, Zerg_14, Zizzle_14,

Genes that have the "Most Annotated" start but do not call it:
• ArcusAngelus_14, BigPhil_15, Blexus_14, BodEinwohner17_14, Boomer_15, Che8_14, Chevrolet_14, ChickenDinner_15, DRBy19_14, DaddyRickover_14, DirtMcgirt_15, DoRead_14, Doomphist_14, Dorothy_14, Drago_15, FreddyB_14, Geralt_14, Harley_14, Jennelsea_14, Juice456_15, Juniper1_14, Karhdo_14, Koella_14, Leperchaun_14, LilMoolah_14, Llij_14, Mandlovu_14, Marker_15, Mova_15, MulchExplorer_15, Nimbo_14, Oksu_15, PHappiness_14, PMC_14, Plumbus_15, Poenanya_14, RitaG_14, Ruby_14, Scottish_14, Spikelee_15, Squirty_15, UncleRicky_15, VRedHorse_14,

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

Summary by start number:

Start 1:
• Found in 167 of 264 (63.3%) of genes in pham
• Manual Annotations of this start: 43 of 247
• Called 25.7% of time when present
• Phage (with cluster) where this start called: ArcusAngelus_14 (F1), BigPhil_15 (F1), Blexus_14 (F1), BodEinwohner17_14 (F1), Boomer_15 (F1), Che8_14 (F1), Chevrolet_14 (F1), ChickenDinner_15 (F1), DRBy19_14 (F1), DaddyRickover_14 (F1), DirtMcgirt_15 (F1), DoRead_14 (F1), Doomphist_14 (F1), Dorothy_14 (F1), Drago_15 (F1), FreddyB_14 (F1), Geralt_14 (F1), Harley_14 (F1), Jennelsea_14 (F1), Juice456_15 (F1), Juniper1_14 (F1), Karhdo_14 (F1), Koella_14 (F1), Leperchaun_14 (F1), LilMoolah_14 (F1), Llij_14 (F1), Mandlovu_14 (F1), Marker_15 (F1), Mova_15 (F1), MulchExplorer_15 (F1), Nimbo_14 (F1), Oksu_15 (F1), PHappiness_14 (F1), PMC_14 (F1), Plumbus_15 (F1), Poenanya_14 (F1), RitaG_14 (F1), Ruby_14 (F1), Scottish_14 (F1), Spikelee_15 (F1), Squirty_15 (F3), UncleRicky_15 (F1), VRedHorse_14 (F1),

Start 2:
• Found in 264 of 264 (100.0%) of genes in pham
• Manual Annotations of this start: 204 of 247
• Called 83.7% of time when present
• Phage (with cluster) where this start called: Akhila_15 (F1), Alexphander_16 (F1), Aloeri_15 (F1), AlpineSix_14 (F1), Ardmore_14 (F1), Aubs_14 (F1), Awesomesauce_15 (F1), Batiatus_14 (F1), Beakin_15 (F1), Beanstalk_15 (F1), Bipolar_14 (F1), BlueCrab_14 (F1), BobaPhett_14 (F1), Bobi_16 (F1), Brocalys_14 (F1), Brookers_15 (F1), Brushbloom_15 (F1), Bubbles123_15 (F1), Burwell21_14 (F1), BuzzLyseyear_16 (F1), ByChance_14 (F1), Byougenkin_14 (F1), Cabrinians_14 (F1), CaptainTrips_15 (F1), Cerasum_15 (F1), Cheesepuff_15 (F1), Chuckly_14 (F1), Clank_14 (F), Clifton_14 (F1), Coco12_16 (F1), Corium_14 (F1), Cornucopia_15 (F1), Crumble_14 (F1), DLane_14 (F1), DaWorst_16 (F1), Daenerys_14 (F1), Dante_14 (F1), DeadP_14 (F1), Deb65_14 (F1), DillTech15_14 (F1), DocMcStuffins_15 (F1), Donkeykong_14 (F1), Doomslug_16 (F), DosHalletts_15 (F1), DotProduct_14 (F1), Doug_15 (F1), Eish_14 (F1), EleanorGeorge_14 (F1), EmiMonkey_14 (F1), Emma_14 (F1), Emmaloid_15 (F1), Empress_14 (F1), Enby_15 (F1), Enzomatic_15 (F1), Eradicator_14 (F1), Estave1_14 (F1), Fancypants_14 (F1), Fastidio_14 (F1), Filuzino_14 (F1), Firehouse51_15 (F1), Flathead_15 (F1), Florinda_14 (F1), Frankie_15 (F1), Fruitloop_14 (F1), GUmbie_14 (F1), Galactic_14 (F1), Gandalph_14

(F1), GigiOuiOui_14 (F1), Girafales_15 (F1), Girr_14 (F1), Gorge_14 (F1), Grimmer_15 (F1), Guppsters_14 (F1), Hades_14 (F1), Hamulus_14 (F1), Hegedechwinu_15 (F1), Hlubikazi_14 (F1), IMpilo_14 (F1), IbOuu_14 (F1), Ibhubesi_14 (F1), Inventum_14 (F1), IrishSherpFalk_14 (F1), JalFarm20_16 (F1), James_14 (F1), Jant_14 (F1), Jarcob_14 (F1), Jinglebell_13 (F1), Job42_16 (F1), JoeyJr_14 (F1), Kenuha5_14 (F1), Kersh_14 (F1), Kimberlium_15 (F1), KingJulian_14 (F1), KingMidas_14 (F1), Kingsley_15 (F1), Krakatau_15 (F1), KristaRAM_15 (F1), LastJedi_14 (F1), Latretium_15 (F1), Leozinho_15 (F1), LittleShirley_15 (F1), Lizziana_14 (F1), Llama_14 (F1), LordVader_15 (F), Lorde_15 (F1), Lucia_15 (F1), LunaBlu_14 (F1), LunaStella_15 (F4), MadMen_14 (F1), Madiba_15 (F1), Mahavrat_14 (F1), Mantra_14 (F1), Maravista_14 (F1), Martik_14 (F1), Mattes_14 (F1), Medindi_14 (F1), Melissauren88_14 (F1), MilanaBonita_15 (F1), MilleniumForce_15 (F1), MinionDave_15 (F1), Minnie_15 (F1), Misha28_15 (F1), MisterCuddles_14 (F1), Modragons_14 (F1), Moonbeam_15 (F1), Mozy_15 (F1), Ms6_14 (F1), MulchSalad_14 (F7), Mutaforma13_14 (F1), Mwanjiwa_14 (F1), NewHope4_14 (F1), Nichirin_14 (F1), Nitzel_15 (F1), Nivrat_14 (F1), NormanBulbieJr_14 (F1), Ochi17_14 (F1), OfUltron_14 (F1), Ogopogo_17 (F1), Okabe_16 (F8), OldBen_14 (F1), OlympiaSaint_14 (F1), Ovechkin_14 (F1), OwlsT2W_16 (F1), Pacc40_14 (F1), PatoPoderoso_14 (F1), Peridot_15 (F1), Phalconet_14 (F1), Phanphagia_14 (F1), Phasih_15 (F1), Phatniss_15 (F1), PhesterPhotato_14 (F1), Philus_14 (F1), PhlipPhlop_14 (F1), Piper2020_15 (F1), Pippy_14 (F1), Polka14_15 (F1), Pollywog_15 (F1), Polo2Bam_15 (F1), PopTart_14 (F1), Priscilla_14 (F1), QuickMath_14 (F1), Quico_15 (F1), Radiance_14 (F1), Ramsey_15 (F1), RedBird_14 (F1), Renaud18_15 (F4), Rialto_16 (F1), Rita_14 (F1), Rockne_14 (F1), RockyHorror_15 (F1), Royals2015_14 (F1), SG4_14 (F1), Saal_14 (F1), Sabbb_14 (F1), Sandalphon_15 (F1), Sarma624_15 (F1), Sassafras_14 (F1), SassyB_14 (F1), SeaLumen_14 (F1), Seabastian_14 (F1), Seagreen_15 (F1), Shauna1_14 (F1), ShiLan_14 (F1), ShowerHandel_14 (F1), ShroomBoi_14 (F1), SiSi_14 (F1), SimranZ1_15 (F1), Slim_15 (F1), Sparkdehlily_14 (F1), Spartacus_14 (F1), Spoonbill_14 (F1), StAnnes_14 (F1), Stap_15 (F1), Starcevich_15 (F1), Strokeseat_14 (F1), SuperGrey_15 (F1), SwagPigglett_14 (F1), TChen_15 (F4), TDanisky_14 (F1), Taj_14 (F1), Tchotchke_15 (F1), ThetaBob_15 (F4), TootsiePop_15 (F1), Tootsieroll_15 (F1), Topiatin_16 (F1), Toron_15 (F6), Totinger_15 (F1), Tweety_14 (F1), Velveteen_15 (F1), Veteran_14 (F1), Violac_15 (F1), Vivum_14 (F1), Wachhund_14 (F1), Wee_15 (F1), Whatsapiecost_14 (F1), Whouxphf_14 (F1), WillSterrel_14 (F1), XFactor_14 (F1), Yorick_14 (F1), Zerg_14 (F1), Zizzle_14 (F1),

Summary by clusters:

There are 7 clusters represented in this pham: F1, F3, F4, F6, F7, F8, F,

Info for manual annotations of cluster F:
•Start number 2 was manually annotated 1 time for cluster F.

Info for manual annotations of cluster F1:
•Start number 1 was manually annotated 42 times for cluster F1.
•Start number 2 was manually annotated 198 times for cluster F1.

Info for manual annotations of cluster F3:
•Start number 1 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

•Start number 2 was manually annotated 4 times for cluster F4.

Info for manual annotations of cluster F7:
•Start number 2 was manually annotated 1 time for cluster F7.

Gene Information:

Gene: Akhila_15 Start: 10181, Stop: 13708, Start Num: 2
Candidate Starts for Akhila_15:
(Start: 1 @10160 has 43 MA's), (Start: 2 @10181 has 204 MA's), (3, 10193), (5, 10232), (6, 10259), (8, 10316), (10, 10361), (12, 10433), (28, 10487), (29, 10493), (33, 10556), (34, 10571), (43, 10688), (47, 10721), (51, 10763), (54, 10808), (56, 10826), (58, 10838), (62, 10910), (65, 10943), (66, 10946), (70, 10985), (73, 11027), (75, 11057), (77, 11063), (79, 11093), (81, 11129), (82, 11138), (83, 11150), (85, 11183), (90, 11246), (96, 11342), (98, 11372), (101, 11405), (102, 11408), (103, 11420), (109, 11474), (112, 11486), (120, 11540), (121, 11549), (137, 11669), (151, 11813), (154, 11873), (156, 11885), (160, 11954), (163, 11978), (164, 12017), (165, 12032), (166, 12035), (168, 12074), (169, 12092), (173, 12164), (175, 12218), (176, 12254), (177, 12260), (180, 12326), (184, 12377), (186, 12410), (187, 12434), (188, 12437), (189, 12446), (191, 12491), (192, 12494), (193, 12500), (195, 12518), (198, 12587), (199, 12593), (214, 12692), (219, 12731), (220, 12734), (227, 12764), (232, 12791), (236, 12818), (239, 12863), (255, 12986), (270, 13034), (277, 13064), (281, 13085), (286, 13151), (291, 13259), (293, 13283), (294, 13289), (296, 13304), (299, 13319), (300, 13355), (302, 13418), (303, 13421), (304, 13433), (305, 13454), (307, 13514), (313, 13694),

Gene: Alexphander_16 Start: 9879, Stop: 13538, Start Num: 2
Candidate Starts for Alexphander_16:
(Start: 2 @9879 has 204 MA's), (5, 9930), (6, 9957), (8, 10014), (10, 10059), (12, 10131), (28, 10185), (29, 10191), (33, 10254), (34, 10269), (43, 10386), (47, 10419), (51, 10461), (54, 10506), (56, 10524), (58, 10536), (61, 10593), (62, 10608), (63, 10626), (65, 10641), (66, 10644), (70, 10683), (72, 10701), (73, 10725), (75, 10755), (77, 10761), (79, 10791), (81, 10827), (82, 10836), (83, 10848), (85, 10881), (86, 10896), (87, 10923), (90, 10944), (91, 10956), (92, 10965), (94, 11007), (96, 11040), (99, 11082), (100, 11094), (104, 11139), (106, 11151), (116, 11202), (117, 11211), (125, 11244), (126, 11247), (128, 11253), (132, 11265), (136, 11328), (139, 11376), (145, 11439), (146, 11442), (148, 11451), (160, 11616), (161, 11625), (164, 11676), (165, 11691), (166, 11694), (167, 11712), (168, 11733), (169, 11751), (173, 11823), (175, 11877), (176, 11913), (177, 11919), (178, 11952), (180, 11985), (184, 12036), (186, 12069), (187, 12093), (188, 12096), (189, 12105), (191, 12150), (192, 12153), (195, 12177), (200, 12267), (217, 12414), (221, 12435), (239, 12576), (244, 12600), (246, 12627), (268, 12807), (270, 12837), (280, 12909), (287, 12996), (291, 13089), (293, 13113), (294, 13119), (296, 13134), (299, 13149), (300, 13185), (302, 13248), (303, 13251), (305, 13284), (307, 13344), (313, 13524),

Gene: Aloeri_15 Start: 9353, Stop: 12883, Start Num: 2
Candidate Starts for Aloeri_15:
(Start: 1 @9332 has 43 MA's), (Start: 2 @9353 has 204 MA's), (3, 9365), (5, 9404), (6, 9431), (10, 9533), (12, 9605), (26, 9647), (28, 9659), (29, 9665), (33, 9728), (34, 9743), (43, 9860), (47, 9893), (49, 9911), (51, 9935), (54, 9980), (56, 9998), (58, 10010), (61, 10067), (62, 10082), (63, 10100), (65, 10115), (66, 10118), (70, 10157), (73, 10199), (75, 10229), (77, 10235), (79, 10265), (81, 10301), (82, 10310), (83, 10322), (85, 10355), (86, 10370), (87, 10397), (90, 10418), (92, 10439), (97, 10535), (98, 10544), (102, 10580), (103, 10592), (106, 10625), (109, 10646), (121, 10721), (122, 10727), (126, 10739), (137, 10841), (142, 10916), (154, 11045), (156, 11057), (160, 11126), (161, 11135), (164,

11186), (165, 11201), (166, 11204), (167, 11222), (168, 11243), (169, 11261), (173, 11333), (175, 11387), (176, 11423), (177, 11429), (178, 11462), (180, 11495), (184, 11546), (186, 11579), (187, 11603), (188, 11606), (189, 11615), (191, 11660), (192, 11663), (195, 11687), (198, 11759), (199, 11765), (232, 11963), (235, 11981), (238, 12014), (239, 12035), (250, 12137), (255, 12161), (270, 12209), (278, 12260), (286, 12326), (291, 12434), (293, 12458), (294, 12464), (296, 12479), (297, 12485), (299, 12494), (300, 12530), (302, 12593), (303, 12596), (305, 12629), (306, 12668), (307, 12689), (313, 12869),

Gene: AlpineSix_14 Start: 9489, Stop: 13247, Start Num: 2
Candidate Starts for AlpineSix_14:
(Start: 1 @9468 has 43 MA's), (Start: 2 @9489 has 204 MA's), (3, 9501), (5, 9540), (6, 9567), (10, 9669), (14, 9786), (16, 9834), (17, 9843), (18, 9888), (19, 9921), (20, 9930), (22, 9945), (23, 9954), (26, 10014), (27, 10017), (28, 10026), (29, 10032), (33, 10095), (34, 10110), (43, 10227), (47, 10260), (49, 10278), (51, 10302), (54, 10347), (56, 10365), (58, 10377), (61, 10434), (62, 10449), (65, 10482), (66, 10485), (70, 10524), (73, 10566), (75, 10596), (77, 10602), (79, 10632), (81, 10668), (82, 10677), (83, 10689), (85, 10722), (86, 10737), (90, 10785), (92, 10806), (97, 10902), (98, 10911), (102, 10947), (103, 10959), (106, 10992), (109, 11013), (112, 11025), (121, 11088), (122, 11094), (126, 11106), (137, 11208), (142, 11283), (154, 11412), (156, 11424), (160, 11493), (161, 11502), (164, 11553), (165, 11568), (166, 11571), (167, 11589), (168, 11610), (169, 11628), (173, 11700), (175, 11754), (176, 11790), (177, 11796), (178, 11829), (180, 11862), (184, 11913), (186, 11946), (187, 11970), (188, 11973), (189, 11982), (191, 12027), (192, 12030), (195, 12054), (198, 12126), (199, 12132), (205, 12180), (214, 12231), (219, 12270), (220, 12273), (227, 12303), (232, 12330), (236, 12357), (239, 12402), (242, 12414), (250, 12501), (255, 12525), (270, 12573), (281, 12624), (286, 12690), (291, 12798), (293, 12822), (294, 12828), (296, 12843), (297, 12849), (299, 12858), (300, 12894), (302, 12957), (303, 12960), (305, 12993), (306, 13032), (307, 13053), (313, 13233),

Gene: ArcusAngelus_14 Start: 9500, Stop: 13048, Start Num: 1
Candidate Starts for ArcusAngelus_14:
(Start: 1 @9500 has 43 MA's), (Start: 2 @9521 has 204 MA's), (3, 9533), (5, 9572), (6, 9599), (8, 9656), (10, 9701), (12, 9773), (28, 9827), (29, 9833), (32, 9857), (33, 9896), (34, 9911), (43, 10028), (47, 10061), (51, 10103), (54, 10148), (56, 10166), (58, 10178), (62, 10250), (65, 10283), (66, 10286), (70, 10325), (73, 10367), (75, 10397), (77, 10403), (79, 10433), (81, 10469), (82, 10478), (83, 10490), (87, 10565), (90, 10586), (96, 10682), (97, 10703), (98, 10712), (101, 10745), (102, 10748), (103, 10760), (109, 10814), (112, 10826), (120, 10880), (121, 10889), (130, 10919), (137, 11009), (151, 11153), (154, 11213), (156, 11225), (160, 11294), (163, 11318), (164, 11357), (165, 11372), (166, 11375), (167, 11393), (168, 11414), (169, 11432), (173, 11504), (175, 11558), (176, 11594), (177, 11600), (180, 11666), (184, 11717), (186, 11750), (187, 11774), (188, 11777), (189, 11786), (191, 11831), (192, 11834), (193, 11840), (195, 11858), (198, 11927), (199, 11933), (214, 12032), (219, 12071), (220, 12074), (227, 12104), (236, 12158), (239, 12203), (255, 12326), (270, 12374), (277, 12404), (281, 12425), (286, 12491), (291, 12599), (293, 12623), (294, 12629), (296, 12644), (299, 12659), (300, 12695), (302, 12758), (303, 12761), (304, 12773), (305, 12794), (307, 12854), (313, 13034),

Gene: Ardmore_14 Start: 9532, Stop: 13059, Start Num: 2
Candidate Starts for Ardmore_14:
(Start: 2 @9532 has 204 MA's), (3, 9544), (5, 9583), (6, 9610), (8, 9667), (10, 9712), (12, 9784), (28, 9838), (29, 9844), (33, 9907), (34, 9922), (43, 10039), (47, 10072), (51, 10114), (54, 10159), (56, 10177), (58, 10189), (62, 10261), (65, 10294), (66, 10297), (70, 10336), (73, 10378), (75, 10408), (77, 10414), (79, 10444), (81, 10480), (82, 10489), (83, 10501), (90, 10597), (96, 10693), (98, 10723), (101, 10756), (102, 10759), (103, 10771), (109, 10825), (112, 10837), (120, 10891), (121, 10900), (137, 11020), (151, 11164), (156, 11236), (160, 11305), (163, 11329), (165, 11383), (166, 11386), (168, 11425), (169, 11443), (173, 11515), (175, 11569), (176, 11605), (177, 11611), (180, 11677), (184, 11728), (186, 11761), (187, 11785), (189, 11797), (191, 11842), (192, 11845), (193, 11851), (195,

11869), (198, 11938), (199, 11944), (214, 12043), (219, 12082), (220, 12085), (227, 12115), (232, 12142), (239, 12214), (242, 12226), (250, 12313), (255, 12337), (270, 12385), (277, 12415), (281, 12436), (286, 12502), (291, 12610), (293, 12634), (294, 12640), (296, 12655), (299, 12670), (300, 12706), (302, 12769), (303, 12772), (304, 12784), (305, 12805), (307, 12865), (313, 13045),

Gene: Aubs_14 Start: 9530, Stop: 13198, Start Num: 2
Candidate Starts for Aubs_14:
(Start: 1 @9509 has 43 MA's), (Start: 2 @9530 has 204 MA's), (3, 9542), (5, 9581), (6, 9608), (10, 9710), (11, 9758), (12, 9782), (28, 9836), (29, 9842), (33, 9905), (34, 9920), (43, 10037), (47, 10070), (51, 10112), (54, 10157), (56, 10175), (58, 10187), (62, 10259), (65, 10292), (66, 10295), (70, 10334), (73, 10376), (75, 10406), (77, 10412), (79, 10442), (81, 10478), (82, 10487), (83, 10499), (90, 10595), (96, 10691), (98, 10721), (101, 10754), (102, 10757), (103, 10769), (109, 10823), (112, 10835), (120, 10889), (121, 10898), (137, 11018), (151, 11162), (154, 11222), (156, 11234), (160, 11303), (163, 11327), (164, 11366), (165, 11381), (166, 11384), (168, 11423), (169, 11441), (173, 11513), (175, 11567), (176, 11603), (177, 11609), (180, 11675), (184, 11726), (186, 11759), (187, 11783), (188, 11786), (189, 11795), (191, 11840), (192, 11843), (195, 11867), (198, 11933), (199, 11939), (227, 12110), (236, 12164), (239, 12209), (257, 12368), (259, 12407), (265, 12431), (267, 12437), (268, 12443), (271, 12479), (286, 12641), (291, 12749), (293, 12773), (296, 12794), (297, 12800), (300, 12845), (302, 12908), (303, 12911), (305, 12944), (306, 12983), (307, 13004), (313, 13184),

Gene: Awesomesauce_15 Start: 9354, Stop: 12878, Start Num: 2
Candidate Starts for Awesomesauce_15:
(Start: 1 @9333 has 43 MA's), (Start: 2 @9354 has 204 MA's), (3, 9366), (5, 9405), (6, 9432), (10, 9534), (12, 9606), (26, 9648), (28, 9660), (29, 9666), (33, 9729), (34, 9744), (43, 9861), (47, 9894), (49, 9912), (51, 9936), (54, 9981), (56, 9999), (58, 10011), (61, 10068), (62, 10083), (63, 10101), (65, 10116), (66, 10119), (70, 10158), (73, 10200), (75, 10230), (77, 10236), (79, 10266), (81, 10302), (82, 10311), (83, 10323), (85, 10356), (86, 10371), (87, 10398), (90, 10419), (92, 10440), (97, 10536), (98, 10545), (102, 10581), (103, 10593), (106, 10626), (109, 10647), (121, 10722), (122, 10728), (126, 10740), (137, 10842), (142, 10917), (154, 11046), (156, 11058), (160, 11127), (161, 11136), (164, 11187), (165, 11202), (166, 11205), (167, 11223), (168, 11244), (169, 11262), (173, 11334), (175, 11388), (176, 11424), (177, 11430), (180, 11496), (184, 11547), (186, 11580), (187, 11604), (188, 11607), (189, 11616), (191, 11661), (192, 11664), (195, 11688), (198, 11754), (199, 11760), (232, 11958), (235, 11976), (238, 12009), (239, 12030), (250, 12132), (255, 12156), (270, 12204), (278, 12255), (286, 12321), (291, 12429), (293, 12453), (294, 12459), (296, 12474), (297, 12480), (299, 12489), (300, 12525), (302, 12588), (303, 12591), (305, 12624), (306, 12663), (307, 12684), (313, 12864),

Gene: Batiatus_14 Start: 9531, Stop: 13061, Start Num: 2
Candidate Starts for Batiatus_14:
(Start: 2 @9531 has 204 MA's), (3, 9543), (5, 9582), (6, 9609), (8, 9666), (10, 9711), (12, 9783), (26, 9825), (28, 9837), (29, 9843), (32, 9867), (33, 9906), (34, 9921), (43, 10038), (47, 10071), (51, 10113), (54, 10158), (56, 10176), (58, 10188), (62, 10260), (65, 10293), (66, 10296), (70, 10335), (73, 10377), (75, 10407), (77, 10413), (79, 10443), (81, 10479), (82, 10488), (83, 10500), (85, 10533), (90, 10596), (96, 10692), (98, 10722), (101, 10755), (102, 10758), (103, 10770), (109, 10824), (112, 10836), (120, 10890), (121, 10899), (137, 11019), (151, 11163), (154, 11223), (156, 11235), (160, 11304), (163, 11328), (164, 11367), (165, 11382), (166, 11385), (168, 11424), (169, 11442), (173, 11514), (175, 11568), (176, 11604), (177, 11610), (180, 11676), (184, 11727), (186, 11760), (187, 11784), (188, 11787), (189, 11796), (191, 11841), (192, 11844), (193, 11850), (195, 11868), (198, 11937), (199, 11943), (214, 12042), (232, 12141), (239, 12213), (250, 12315), (255, 12339), (270, 12387), (277, 12417), (281, 12438), (286, 12504), (291, 12612), (293, 12636), (294, 12642), (296, 12657), (299, 12672), (300, 12708), (302, 12771), (303, 12774), (304, 12786), (305, 12807), (307, 12867), (313, 13047),

Gene: Beakin_15 Start: 9346, Stop: 12870, Start Num: 2
Candidate Starts for Beakin_15:
(Start: 1 @9325 has 43 MA's), (Start: 2 @9346 has 204 MA's), (5, 9397), (6, 9424), (8, 9481), (10, 9526), (12, 9598), (28, 9652), (29, 9658), (33, 9721), (34, 9736), (43, 9853), (47, 9886), (51, 9928), (54, 9973), (56, 9991), (58, 10003), (62, 10075), (65, 10108), (66, 10111), (70, 10150), (73, 10192), (75, 10222), (77, 10228), (79, 10258), (81, 10294), (82, 10303), (83, 10315), (85, 10348), (90, 10411), (96, 10507), (98, 10537), (101, 10570), (102, 10573), (103, 10585), (109, 10639), (112, 10651), (120, 10705), (121, 10714), (137, 10834), (142, 10909), (154, 11038), (156, 11050), (160, 11119), (161, 11128), (164, 11179), (165, 11194), (166, 11197), (167, 11215), (168, 11236), (169, 11254), (173, 11326), (175, 11380), (176, 11416), (177, 11422), (180, 11488), (184, 11539), (186, 11572), (187, 11596), (188, 11599), (189, 11608), (191, 11653), (192, 11656), (193, 11662), (195, 11680), (198, 11749), (199, 11755), (214, 11854), (219, 11893), (220, 11896), (227, 11926), (236, 11980), (239, 12025), (255, 12148), (270, 12196), (277, 12226), (281, 12247), (286, 12313), (291, 12421), (293, 12445), (294, 12451), (296, 12466), (299, 12481), (300, 12517), (302, 12580), (303, 12583), (304, 12595), (305, 12616), (307, 12676), (313, 12856),

Gene: Beanstalk_15 Start: 9338, Stop: 13039, Start Num: 2
Candidate Starts for Beanstalk_15:
(Start: 1 @9317 has 43 MA's), (Start: 2 @9338 has 204 MA's), (3, 9350), (5, 9389), (6, 9416), (10, 9518), (11, 9566), (12, 9590), (26, 9632), (27, 9635), (28, 9644), (29, 9650), (33, 9713), (34, 9728), (43, 9845), (47, 9878), (49, 9896), (51, 9920), (54, 9965), (56, 9983), (58, 9995), (62, 10067), (65, 10100), (66, 10103), (70, 10142), (72, 10160), (73, 10184), (75, 10214), (77, 10220), (79, 10250), (81, 10286), (82, 10295), (83, 10307), (85, 10340), (90, 10403), (91, 10415), (92, 10424), (97, 10520), (98, 10529), (101, 10562), (102, 10565), (103, 10577), (109, 10631), (112, 10643), (120, 10697), (121, 10706), (137, 10826), (151, 10970), (154, 11030), (156, 11042), (160, 11111), (163, 11135), (165, 11189), (166, 11192), (167, 11210), (168, 11231), (169, 11249), (173, 11321), (175, 11375), (176, 11411), (177, 11417), (180, 11483), (184, 11534), (186, 11567), (187, 11591), (188, 11594), (189, 11603), (191, 11648), (192, 11651), (195, 11675), (200, 11768), (217, 11915), (221, 11936), (239, 12077), (244, 12101), (246, 12128), (268, 12308), (270, 12338), (280, 12410), (287, 12497), (291, 12590), (293, 12614), (294, 12620), (296, 12635), (299, 12650), (300, 12686), (302, 12749), (303, 12752), (304, 12764), (305, 12785), (307, 12845), (313, 13025),

Gene: BigPhil_15 Start: 9316, Stop: 12867, Start Num: 1
Candidate Starts for BigPhil_15:
(Start: 1 @9316 has 43 MA's), (Start: 2 @9337 has 204 MA's), (3, 9349), (5, 9388), (6, 9415), (10, 9517), (11, 9565), (12, 9589), (26, 9631), (28, 9643), (29, 9649), (33, 9712), (34, 9727), (43, 9844), (47, 9877), (51, 9919), (54, 9964), (56, 9982), (58, 9994), (62, 10066), (65, 10099), (66, 10102), (70, 10141), (73, 10183), (75, 10213), (77, 10219), (79, 10249), (81, 10285), (82, 10294), (83, 10306), (90, 10402), (96, 10498), (98, 10528), (101, 10561), (102, 10564), (103, 10576), (109, 10630), (112, 10642), (120, 10696), (121, 10705), (137, 10825), (151, 10969), (154, 11029), (156, 11041), (160, 11110), (161, 11119), (164, 11173), (165, 11188), (166, 11191), (168, 11230), (169, 11248), (173, 11320), (175, 11374), (176, 11410), (177, 11416), (178, 11449), (180, 11482), (184, 11533), (186, 11566), (187, 11590), (188, 11593), (189, 11602), (191, 11647), (192, 11650), (193, 11656), (195, 11674), (198, 11743), (199, 11749), (214, 11848), (232, 11947), (235, 11965), (239, 12019), (250, 12121), (255, 12145), (270, 12193), (277, 12223), (281, 12244), (286, 12310), (291, 12418), (293, 12442), (294, 12448), (296, 12463), (299, 12478), (300, 12514), (302, 12577), (303, 12580), (304, 12592), (305, 12613), (307, 12673), (313, 12853),

Gene: Bipolar_14 Start: 9500, Stop: 13027, Start Num: 2
Candidate Starts for Bipolar_14:
(Start: 2 @9500 has 204 MA's), (3, 9512), (5, 9551), (6, 9578), (8, 9635), (10, 9680), (12, 9752), (26, 9794), (27, 9797), (28, 9806), (29, 9812), (33, 9875), (34, 9890), (43, 10007), (47, 10040), (51, 10082), (54, 10127), (56, 10145), (58, 10157), (62, 10229), (65, 10262), (66, 10265), (70, 10304), (73, 10346),

(75, 10376), (77, 10382), (79, 10412), (81, 10448), (82, 10457), (83, 10469), (90, 10565), (96, 10661), (98, 10691), (101, 10724), (102, 10727), (103, 10739), (109, 10793), (112, 10805), (120, 10859), (121, 10868), (137, 10988), (151, 11132), (154, 11192), (156, 11204), (160, 11273), (163, 11297), (165, 11351), (166, 11354), (168, 11393), (169, 11411), (173, 11483), (175, 11537), (176, 11573), (177, 11579), (180, 11645), (184, 11696), (186, 11729), (187, 11753), (188, 11756), (189, 11765), (191, 11810), (192, 11813), (193, 11819), (195, 11837), (198, 11906), (199, 11912), (214, 12011), (216, 12032), (232, 12110), (235, 12128), (239, 12182), (242, 12194), (250, 12281), (255, 12305), (270, 12353), (277, 12383), (281, 12404), (286, 12470), (291, 12578), (293, 12602), (294, 12608), (296, 12623), (299, 12638), (300, 12674), (302, 12737), (303, 12740), (304, 12752), (305, 12773), (307, 12833), (313, 13013),

Gene: Blexus_14 Start: 9481, Stop: 13197, Start Num: 1
Candidate Starts for Blexus_14:
(Start: 1 @9481 has 43 MA's), (Start: 2 @9502 has 204 MA's), (3, 9514), (5, 9553), (6, 9580), (10, 9682), (11, 9730), (12, 9754), (26, 9796), (28, 9808), (29, 9814), (33, 9877), (34, 9892), (43, 10009), (47, 10042), (51, 10084), (54, 10129), (56, 10147), (58, 10159), (62, 10231), (65, 10264), (66, 10267), (70, 10306), (73, 10348), (75, 10378), (77, 10384), (79, 10414), (81, 10450), (82, 10459), (83, 10471), (85, 10504), (90, 10567), (92, 10588), (97, 10684), (98, 10693), (102, 10729), (103, 10741), (106, 10774), (109, 10795), (120, 10861), (121, 10870), (126, 10888), (137, 10990), (142, 11065), (151, 11134), (154, 11194), (156, 11206), (160, 11275), (161, 11284), (164, 11338), (165, 11353), (166, 11356), (167, 11374), (168, 11395), (169, 11413), (172, 11458), (173, 11485), (175, 11539), (176, 11575), (177, 11581), (178, 11614), (180, 11647), (184, 11698), (186, 11731), (187, 11755), (188, 11758), (189, 11767), (191, 11812), (192, 11815), (195, 11839), (200, 11929), (217, 12076), (221, 12097), (239, 12238), (244, 12262), (246, 12289), (268, 12469), (270, 12499), (280, 12571), (287, 12658), (291, 12751), (293, 12775), (294, 12781), (296, 12796), (297, 12802), (299, 12811), (300, 12847), (302, 12910), (303, 12913), (305, 12946), (306, 12985), (307, 13006), (313, 13183),

Gene: BlueCrab_14 Start: 9486, Stop: 13181, Start Num: 2
Candidate Starts for BlueCrab_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (26, 9780), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (90, 10551), (92, 10572), (97, 10668), (98, 10677), (102, 10713), (103, 10725), (106, 10758), (109, 10779), (120, 10845), (121, 10854), (126, 10872), (137, 10974), (142, 11049), (151, 11118), (154, 11178), (156, 11190), (160, 11259), (161, 11268), (164, 11322), (165, 11337), (166, 11340), (167, 11358), (168, 11379), (169, 11397), (173, 11469), (175, 11523), (176, 11559), (177, 11565), (178, 11598), (180, 11631), (184, 11682), (186, 11715), (187, 11739), (188, 11742), (189, 11751), (191, 11796), (192, 11799), (195, 11823), (200, 11913), (217, 12060), (221, 12081), (239, 12222), (244, 12246), (246, 12273), (268, 12453), (270, 12483), (280, 12555), (287, 12642), (291, 12735), (293, 12759), (294, 12765), (296, 12780), (297, 12786), (299, 12795), (300, 12831), (302, 12894), (303, 12897), (305, 12930), (306, 12969), (307, 12990), (313, 13167),

Gene: BobaPhett_14 Start: 9483, Stop: 13010, Start Num: 2
Candidate Starts for BobaPhett_14:
(Start: 1 @9462 has 43 MA's), (Start: 2 @9483 has 204 MA's), (3, 9495), (5, 9534), (6, 9561), (10, 9663), (11, 9711), (12, 9735), (28, 9789), (29, 9795), (33, 9858), (34, 9873), (43, 9990), (47, 10023), (49, 10041), (51, 10065), (54, 10110), (56, 10128), (58, 10140), (62, 10212), (65, 10245), (66, 10248), (70, 10287), (73, 10329), (75, 10359), (77, 10365), (79, 10395), (81, 10431), (82, 10440), (83, 10452), (85, 10485), (86, 10500), (87, 10527), (90, 10548), (91, 10560), (92, 10569), (97, 10665), (98, 10674), (102, 10710), (103, 10722), (106, 10755), (109, 10776), (121, 10851), (126, 10869), (137, 10971), (142, 11046), (154, 11175), (156, 11187), (160, 11256), (164, 11319), (165, 11334), (166, 11337), (167, 11355), (168, 11376), (169, 11394), (173, 11466), (175, 11520), (176, 11556), (177, 11562),

(180, 11628), (184, 11679), (186, 11712), (187, 11736), (188, 11739), (189, 11748), (191, 11793), (192, 11796), (193, 11802), (195, 11820), (198, 11889), (199, 11895), (214, 11994), (219, 12033), (220, 12036), (227, 12066), (236, 12120), (239, 12165), (255, 12288), (270, 12336), (277, 12366), (281, 12387), (286, 12453), (288, 12477), (291, 12561), (293, 12585), (294, 12591), (296, 12606), (299, 12621), (300, 12657), (302, 12720), (303, 12723), (304, 12735), (305, 12756), (307, 12816), (313, 12996),

Gene: Bobi_16 Start: 9900, Stop: 13598, Start Num: 2
Candidate Starts for Bobi_16:
(Start: 2 @9900 has 204 MA's), (5, 9951), (6, 9978), (8, 10035), (10, 10080), (12, 10152), (26, 10194), (27, 10197), (28, 10206), (29, 10212), (33, 10275), (34, 10290), (43, 10407), (47, 10440), (51, 10482), (54, 10527), (56, 10545), (58, 10557), (62, 10629), (65, 10662), (66, 10665), (70, 10704), (73, 10746), (75, 10776), (77, 10782), (79, 10812), (81, 10848), (82, 10857), (83, 10869), (90, 10965), (96, 11061), (98, 11091), (101, 11124), (102, 11127), (103, 11139), (109, 11193), (112, 11205), (120, 11259), (121, 11268), (137, 11388), (151, 11532), (154, 11592), (156, 11604), (160, 11673), (163, 11697), (164, 11736), (165, 11751), (166, 11754), (167, 11772), (168, 11793), (169, 11811), (173, 11883), (175, 11937), (176, 11973), (177, 11979), (178, 12012), (180, 12045), (182, 12066), (184, 12096), (186, 12129), (187, 12153), (188, 12156), (189, 12165), (191, 12210), (192, 12213), (195, 12237), (200, 12327), (217, 12474), (221, 12495), (239, 12636), (244, 12660), (246, 12687), (268, 12867), (270, 12897), (280, 12969), (287, 13056), (291, 13149), (293, 13173), (294, 13179), (296, 13194), (299, 13209), (300, 13245), (302, 13308), (303, 13311), (304, 13323), (305, 13344), (307, 13404), (313, 13584),

Gene: BodEinwohner17_14 Start: 9465, Stop: 13181, Start Num: 1
Candidate Starts for BodEinwohner17_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (26, 9780), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (90, 10551), (92, 10572), (97, 10668), (98, 10677), (102, 10713), (103, 10725), (106, 10758), (109, 10779), (120, 10845), (121, 10854), (126, 10872), (137, 10974), (142, 11049), (151, 11118), (154, 11178), (156, 11190), (160, 11259), (161, 11268), (164, 11322), (165, 11337), (166, 11340), (167, 11358), (168, 11379), (169, 11397), (173, 11469), (175, 11523), (176, 11559), (177, 11565), (178, 11598), (180, 11631), (184, 11682), (186, 11715), (187, 11739), (188, 11742), (189, 11751), (191, 11796), (192, 11799), (195, 11823), (200, 11913), (217, 12060), (221, 12081), (239, 12222), (244, 12246), (246, 12273), (268, 12453), (270, 12483), (280, 12555), (287, 12642), (291, 12735), (293, 12759), (294, 12765), (296, 12780), (297, 12786), (299, 12795), (300, 12831), (302, 12894), (303, 12897), (305, 12930), (306, 12969), (307, 12990), (313, 13167),

Gene: Boomer_15 Start: 9322, Stop: 12828, Start Num: 1
Candidate Starts for Boomer_15:
(Start: 1 @9322 has 43 MA's), (Start: 2 @9343 has 204 MA's), (3, 9355), (5, 9394), (6, 9421), (8, 9478), (10, 9523), (12, 9595), (26, 9637), (27, 9640), (28, 9649), (29, 9655), (33, 9718), (34, 9733), (43, 9850), (47, 9883), (51, 9925), (54, 9970), (56, 9988), (58, 10000), (62, 10072), (65, 10105), (66, 10108), (70, 10147), (73, 10189), (75, 10219), (77, 10225), (79, 10255), (81, 10291), (82, 10300), (83, 10312), (90, 10408), (94, 10471), (99, 10546), (104, 10603), (106, 10615), (112, 10636), (116, 10666), (125, 10708), (126, 10711), (128, 10717), (132, 10729), (148, 10915), (158, 11062), (160, 11077), (163, 11101), (165, 11152), (166, 11155), (167, 11173), (168, 11194), (169, 11212), (173, 11284), (175, 11338), (176, 11374), (177, 11380), (180, 11446), (184, 11497), (186, 11530), (187, 11554), (188, 11557), (189, 11566), (191, 11611), (192, 11614), (193, 11620), (195, 11638), (198, 11707), (199, 11713), (214, 11812), (219, 11851), (220, 11854), (227, 11884), (232, 11911), (236, 11938), (239, 11983), (255, 12106), (270, 12154), (277, 12184), (281, 12205), (286, 12271), (291, 12379), (293, 12403), (294, 12409), (296, 12424), (299, 12439), (300, 12475), (302, 12538), (303, 12541),

(304, 12553), (305, 12574), (307, 12634), (313, 12814),

Gene: Brocalys_14 Start: 9475, Stop: 12996, Start Num: 2
Candidate Starts for Brocalys_14:
(Start: 1 @9454 has 43 MA's), (Start: 2 @9475 has 204 MA's), (3, 9487), (5, 9526), (6, 9553), (8, 9610), (10, 9655), (12, 9727), (25, 9751), (29, 9787), (33, 9850), (34, 9865), (43, 9982), (47, 10015), (49, 10033), (51, 10057), (54, 10102), (56, 10120), (58, 10132), (62, 10204), (65, 10237), (66, 10240), (70, 10279), (73, 10321), (75, 10351), (77, 10357), (79, 10387), (81, 10423), (82, 10432), (83, 10444), (85, 10477), (86, 10492), (87, 10519), (90, 10540), (91, 10552), (92, 10561), (97, 10657), (98, 10666), (101, 10699), (102, 10702), (103, 10714), (106, 10747), (109, 10768), (121, 10843), (122, 10849), (126, 10861), (137, 10963), (142, 11038), (154, 11167), (156, 11179), (160, 11245), (164, 11305), (165, 11320), (166, 11323), (167, 11341), (168, 11362), (169, 11380), (173, 11452), (175, 11506), (176, 11542), (177, 11548), (178, 11581), (180, 11614), (184, 11665), (186, 11698), (187, 11722), (188, 11725), (189, 11734), (191, 11779), (192, 11782), (193, 11788), (195, 11806), (198, 11875), (199, 11881), (214, 11980), (219, 12019), (220, 12022), (227, 12052), (232, 12079), (236, 12106), (239, 12151), (255, 12274), (270, 12322), (277, 12352), (281, 12373), (286, 12439), (291, 12547), (293, 12571), (294, 12577), (296, 12592), (299, 12607), (300, 12643), (302, 12706), (303, 12709), (304, 12721), (305, 12742), (307, 12802), (313, 12982),

Gene: Brookers_15 Start: 9337, Stop: 12867, Start Num: 2
Candidate Starts for Brookers_15:
(Start: 1 @9316 has 43 MA's), (Start: 2 @9337 has 204 MA's), (3, 9349), (5, 9388), (6, 9415), (10, 9517), (11, 9565), (12, 9589), (26, 9631), (28, 9643), (29, 9649), (33, 9712), (34, 9727), (43, 9844), (47, 9877), (51, 9919), (54, 9964), (56, 9982), (58, 9994), (62, 10066), (65, 10099), (66, 10102), (70, 10141), (73, 10183), (75, 10213), (77, 10219), (79, 10249), (81, 10285), (82, 10294), (83, 10306), (90, 10402), (96, 10498), (98, 10528), (101, 10561), (102, 10564), (103, 10576), (109, 10630), (112, 10642), (120, 10696), (121, 10705), (137, 10825), (151, 10969), (154, 11029), (156, 11041), (160, 11110), (161, 11119), (164, 11173), (165, 11188), (166, 11191), (168, 11230), (169, 11248), (173, 11320), (175, 11374), (176, 11410), (177, 11416), (178, 11449), (180, 11482), (184, 11533), (186, 11566), (187, 11590), (188, 11593), (189, 11602), (191, 11647), (192, 11650), (193, 11656), (195, 11674), (198, 11743), (199, 11749), (214, 11848), (232, 11947), (235, 11965), (239, 12019), (250, 12121), (255, 12145), (270, 12193), (277, 12223), (281, 12244), (286, 12310), (291, 12418), (293, 12442), (294, 12448), (296, 12463), (299, 12478), (300, 12514), (302, 12577), (303, 12580), (304, 12592), (305, 12613), (307, 12673), (313, 12853),

Gene: Brushbloom_15 Start: 9364, Stop: 12891, Start Num: 2
Candidate Starts for Brushbloom_15:
(Start: 2 @9364 has 204 MA's), (3, 9376), (5, 9415), (6, 9442), (8, 9499), (10, 9544), (12, 9616), (28, 9670), (29, 9676), (32, 9700), (33, 9739), (34, 9754), (43, 9871), (47, 9904), (51, 9946), (54, 9991), (56, 10009), (58, 10021), (62, 10093), (65, 10126), (66, 10129), (70, 10168), (73, 10210), (75, 10240), (77, 10246), (79, 10276), (81, 10312), (82, 10321), (83, 10333), (90, 10429), (96, 10525), (98, 10555), (101, 10588), (102, 10591), (103, 10603), (109, 10657), (112, 10669), (120, 10723), (121, 10732), (137, 10852), (151, 10996), (154, 11056), (156, 11068), (160, 11137), (163, 11161), (165, 11215), (166, 11218), (167, 11236), (168, 11257), (169, 11275), (173, 11347), (175, 11401), (176, 11437), (177, 11443), (180, 11509), (184, 11560), (186, 11593), (187, 11617), (188, 11620), (189, 11629), (191, 11674), (192, 11677), (193, 11683), (195, 11701), (198, 11770), (199, 11776), (214, 11875), (219, 11914), (220, 11917), (227, 11947), (236, 12001), (239, 12046), (255, 12169), (270, 12217), (277, 12247), (281, 12268), (286, 12334), (291, 12442), (293, 12466), (294, 12472), (296, 12487), (299, 12502), (300, 12538), (302, 12601), (303, 12604), (304, 12616), (305, 12637), (307, 12697), (313, 12877),

Gene: Bubbles123_15 Start: 10056, Stop: 13727, Start Num: 2
Candidate Starts for Bubbles123_15:

(Start: 2 @10056 has 204 MA's), (5, 10107), (6, 10134), (8, 10191), (10, 10236), (11, 10284), (12, 10308), (28, 10362), (29, 10368), (33, 10431), (34, 10446), (43, 10563), (47, 10596), (49, 10614), (51, 10638), (54, 10683), (56, 10701), (58, 10713), (61, 10770), (62, 10785), (63, 10803), (65, 10818), (66, 10821), (70, 10860), (73, 10902), (75, 10932), (77, 10938), (79, 10968), (81, 11004), (82, 11013), (83, 11025), (85, 11058), (90, 11121), (91, 11133), (97, 11238), (98, 11247), (101, 11280), (102, 11283), (103, 11295), (106, 11328), (109, 11349), (112, 11361), (121, 11424), (122, 11430), (126, 11442), (137, 11544), (142, 11619), (154, 11748), (156, 11760), (160, 11826), (164, 11886), (165, 11901), (166, 11904), (167, 11922), (168, 11943), (169, 11961), (175, 12087), (176, 12123), (177, 12129), (178, 12162), (180, 12195), (184, 12246), (186, 12279), (187, 12303), (188, 12306), (189, 12315), (191, 12360), (192, 12363), (195, 12387), (198, 12456), (199, 12462), (227, 12633), (236, 12687), (239, 12732), (257, 12891), (259, 12930), (265, 12954), (267, 12960), (268, 12966), (271, 13002), (286, 13170), (291, 13278), (293, 13302), (294, 13308), (296, 13323), (299, 13338), (300, 13374), (302, 13437), (303, 13440), (304, 13452), (305, 13473), (307, 13533), (313, 13713),

Gene: Burwell21_14 Start: 9490, Stop: 13017, Start Num: 2
Candidate Starts for Burwell21_14:
(Start: 1 @9469 has 43 MA's), (Start: 2 @9490 has 204 MA's), (3, 9502), (5, 9541), (6, 9568), (10, 9670), (11, 9718), (12, 9742), (28, 9796), (29, 9802), (33, 9865), (34, 9880), (43, 9997), (47, 10030), (49, 10048), (51, 10072), (54, 10117), (56, 10135), (58, 10147), (62, 10219), (65, 10252), (66, 10255), (70, 10294), (73, 10336), (75, 10366), (77, 10372), (79, 10402), (81, 10438), (82, 10447), (83, 10459), (85, 10492), (86, 10507), (87, 10534), (90, 10555), (91, 10567), (92, 10576), (97, 10672), (98, 10681), (102, 10717), (103, 10729), (106, 10762), (109, 10783), (121, 10858), (126, 10876), (137, 10978), (142, 11053), (154, 11182), (156, 11194), (160, 11263), (164, 11326), (165, 11341), (166, 11344), (167, 11362), (168, 11383), (169, 11401), (173, 11473), (175, 11527), (176, 11563), (177, 11569), (180, 11635), (184, 11686), (186, 11719), (187, 11743), (188, 11746), (189, 11755), (191, 11800), (192, 11803), (193, 11809), (195, 11827), (198, 11896), (199, 11902), (214, 12001), (219, 12040), (220, 12043), (227, 12073), (236, 12127), (239, 12172), (255, 12295), (270, 12343), (277, 12373), (281, 12394), (286, 12460), (288, 12484), (291, 12568), (293, 12592), (294, 12598), (296, 12613), (299, 12628), (300, 12664), (302, 12727), (303, 12730), (304, 12742), (305, 12763), (307, 12823), (313, 13003),

Gene: BuzzLyseyear_16 Start: 9879, Stop: 13403, Start Num: 2
Candidate Starts for BuzzLyseyear_16:
(Start: 2 @9879 has 204 MA's), (5, 9930), (6, 9957), (8, 10014), (10, 10059), (12, 10131), (28, 10185), (29, 10191), (33, 10254), (34, 10269), (43, 10386), (47, 10419), (49, 10437), (51, 10461), (54, 10506), (56, 10524), (58, 10536), (62, 10608), (65, 10641), (66, 10644), (70, 10683), (73, 10725), (75, 10755), (77, 10761), (79, 10791), (81, 10827), (82, 10836), (83, 10848), (90, 10944), (97, 11061), (98, 11070), (101, 11103), (102, 11106), (103, 11118), (109, 11172), (112, 11184), (120, 11238), (121, 11247), (137, 11367), (151, 11511), (154, 11571), (156, 11583), (160, 11652), (163, 11676), (165, 11730), (166, 11733), (168, 11772), (169, 11790), (173, 11862), (175, 11916), (176, 11952), (177, 11958), (180, 12024), (184, 12075), (186, 12108), (187, 12132), (188, 12135), (189, 12144), (191, 12189), (192, 12192), (193, 12198), (195, 12216), (198, 12285), (199, 12291), (214, 12390), (232, 12489), (235, 12507), (239, 12561), (250, 12660), (255, 12684), (270, 12732), (277, 12762), (281, 12783), (286, 12849), (291, 12957), (293, 12981), (294, 12987), (296, 13002), (299, 13017), (300, 13053), (302, 13116), (303, 13119), (305, 13152), (306, 13191), (307, 13212), (313, 13389),

Gene: ByChance_14 Start: 9493, Stop: 13020, Start Num: 2
Candidate Starts for ByChance_14:
(Start: 1 @9472 has 43 MA's), (Start: 2 @9493 has 204 MA's), (3, 9505), (5, 9544), (6, 9571), (10, 9673), (11, 9721), (12, 9745), (26, 9787), (27, 9790), (28, 9799), (29, 9805), (33, 9868), (34, 9883), (43, 10000), (47, 10033), (49, 10051), (51, 10075), (54, 10120), (56, 10138), (58, 10150), (62, 10222), (65, 10255), (66, 10258), (70, 10297), (73, 10339), (75, 10369), (77, 10375), (79, 10405), (81, 10441), (82, 10450), (83, 10462), (85, 10495), (86, 10510), (90, 10558), (91, 10570), (97, 10675), (98, 10684), (102,

10720), (103, 10732), (106, 10765), (109, 10786), (121, 10861), (126, 10879), (137, 10981), (142, 11056), (154, 11185), (156, 11197), (160, 11266), (164, 11329), (165, 11344), (166, 11347), (167, 11365), (168, 11386), (169, 11404), (173, 11476), (175, 11530), (176, 11566), (177, 11572), (178, 11605), (180, 11638), (184, 11689), (186, 11722), (187, 11746), (188, 11749), (189, 11758), (191, 11803), (192, 11806), (193, 11812), (195, 11830), (198, 11899), (199, 11905), (214, 12004), (219, 12043), (220, 12046), (227, 12076), (236, 12130), (239, 12175), (255, 12298), (270, 12346), (277, 12376), (281, 12397), (286, 12463), (291, 12571), (293, 12595), (294, 12601), (296, 12616), (299, 12631), (300, 12667), (302, 12730), (303, 12733), (304, 12745), (305, 12766), (306, 12805), (307, 12826), (313, 13006),

Gene: Byougenkin_14 Start: 9503, Stop: 13030, Start Num: 2
Candidate Starts for Byougenkin_14:
(Start: 2 @9503 has 204 MA's), (3, 9515), (5, 9554), (6, 9581), (8, 9638), (10, 9683), (12, 9755), (26, 9797), (27, 9800), (28, 9809), (29, 9815), (33, 9878), (34, 9893), (43, 10010), (47, 10043), (51, 10085), (54, 10130), (56, 10148), (58, 10160), (62, 10232), (65, 10265), (66, 10268), (70, 10307), (73, 10349), (75, 10379), (77, 10385), (79, 10415), (81, 10451), (82, 10460), (83, 10472), (90, 10568), (96, 10664), (98, 10694), (101, 10727), (102, 10730), (103, 10742), (109, 10796), (112, 10808), (120, 10862), (121, 10871), (137, 10991), (151, 11135), (154, 11195), (156, 11207), (160, 11276), (163, 11300), (165, 11354), (166, 11357), (168, 11396), (169, 11414), (175, 11540), (176, 11576), (177, 11582), (180, 11648), (184, 11699), (186, 11732), (187, 11756), (188, 11759), (189, 11768), (191, 11813), (192, 11816), (193, 11822), (195, 11840), (198, 11909), (199, 11915), (214, 12014), (219, 12053), (220, 12056), (227, 12086), (232, 12113), (239, 12185), (242, 12197), (250, 12284), (255, 12308), (270, 12356), (277, 12386), (281, 12407), (286, 12473), (291, 12581), (293, 12605), (294, 12611), (296, 12626), (299, 12641), (300, 12677), (302, 12740), (303, 12743), (304, 12755), (305, 12776), (307, 12836), (313, 13016),

Gene: Cabrinians_14 Start: 9483, Stop: 13010, Start Num: 2
Candidate Starts for Cabrinians_14:
(Start: 1 @9462 has 43 MA's), (Start: 2 @9483 has 204 MA's), (3, 9495), (5, 9534), (6, 9561), (10, 9663), (11, 9711), (12, 9735), (26, 9777), (27, 9780), (28, 9789), (29, 9795), (33, 9858), (34, 9873), (43, 9990), (47, 10023), (49, 10041), (51, 10065), (54, 10110), (56, 10128), (58, 10140), (62, 10212), (65, 10245), (66, 10248), (70, 10287), (73, 10329), (75, 10359), (77, 10365), (79, 10395), (81, 10431), (82, 10440), (83, 10452), (85, 10485), (86, 10500), (90, 10548), (91, 10560), (97, 10665), (98, 10674), (102, 10710), (103, 10722), (106, 10755), (109, 10776), (121, 10851), (126, 10869), (137, 10971), (142, 11046), (154, 11175), (156, 11187), (160, 11256), (164, 11319), (165, 11334), (166, 11337), (167, 11355), (168, 11376), (169, 11394), (173, 11466), (175, 11520), (176, 11556), (177, 11562), (178, 11595), (180, 11628), (184, 11679), (186, 11712), (187, 11736), (188, 11739), (189, 11748), (191, 11793), (192, 11796), (193, 11802), (195, 11820), (198, 11889), (199, 11895), (214, 11994), (219, 12033), (220, 12036), (227, 12066), (236, 12120), (239, 12165), (255, 12288), (270, 12336), (277, 12366), (281, 12387), (286, 12453), (291, 12561), (293, 12585), (294, 12591), (296, 12606), (299, 12621), (300, 12657), (302, 12720), (303, 12723), (304, 12735), (305, 12756), (306, 12795), (307, 12816), (313, 12996),

Gene: CaptainTrips_15 Start: 10180, Stop: 13704, Start Num: 2
Candidate Starts for CaptainTrips_15:
(Start: 2 @10180 has 204 MA's), (3, 10192), (5, 10231), (6, 10258), (8, 10315), (10, 10360), (12, 10432), (26, 10474), (27, 10477), (28, 10486), (29, 10492), (33, 10555), (34, 10570), (43, 10687), (47, 10720), (51, 10762), (54, 10807), (56, 10825), (58, 10837), (62, 10909), (65, 10942), (66, 10945), (70, 10984), (73, 11026), (75, 11056), (77, 11062), (79, 11092), (81, 11128), (82, 11137), (83, 11149), (90, 11245), (96, 11341), (98, 11371), (101, 11404), (102, 11407), (103, 11419), (109, 11473), (112, 11485), (120, 11539), (121, 11548), (137, 11668), (151, 11812), (154, 11872), (156, 11884), (160, 11953), (163, 11977), (165, 12028), (166, 12031), (168, 12070), (169, 12088), (175, 12214), (176, 12250), (177, 12256), (180, 12322), (184, 12373), (186, 12406), (187, 12430), (188, 12433), (189,

12442), (191, 12487), (192, 12490), (193, 12496), (195, 12514), (198, 12583), (199, 12589), (214, 12688), (219, 12727), (220, 12730), (227, 12760), (232, 12787), (236, 12814), (239, 12859), (255, 12982), (270, 13030), (277, 13060), (281, 13081), (286, 13147), (291, 13255), (293, 13279), (294, 13285), (296, 13300), (299, 13315), (300, 13351), (302, 13414), (303, 13417), (304, 13429), (305, 13450), (307, 13510), (313, 13690),

Gene: Cerasum_15 Start: 9337, Stop: 12867, Start Num: 2
Candidate Starts for Cerasum_15:
(Start: 1 @9316 has 43 MA's), (Start: 2 @9337 has 204 MA's), (3, 9349), (5, 9388), (6, 9415), (10, 9517), (11, 9565), (12, 9589), (26, 9631), (28, 9643), (29, 9649), (33, 9712), (34, 9727), (43, 9844), (47, 9877), (51, 9919), (54, 9964), (56, 9982), (58, 9994), (62, 10066), (65, 10099), (66, 10102), (70, 10141), (73, 10183), (75, 10213), (77, 10219), (79, 10249), (81, 10285), (82, 10294), (83, 10306), (90, 10402), (96, 10498), (98, 10528), (101, 10561), (102, 10564), (103, 10576), (109, 10630), (112, 10642), (120, 10696), (121, 10705), (137, 10825), (151, 10969), (154, 11029), (156, 11041), (160, 11110), (161, 11119), (164, 11173), (165, 11188), (166, 11191), (168, 11230), (169, 11248), (173, 11320), (175, 11374), (176, 11410), (177, 11416), (178, 11449), (180, 11482), (184, 11533), (186, 11566), (187, 11590), (188, 11593), (189, 11602), (191, 11647), (192, 11650), (193, 11656), (195, 11674), (198, 11743), (199, 11749), (214, 11848), (232, 11947), (235, 11965), (239, 12019), (250, 12121), (255, 12145), (270, 12193), (277, 12223), (281, 12244), (286, 12310), (291, 12418), (293, 12442), (294, 12448), (296, 12463), (299, 12478), (300, 12514), (302, 12577), (303, 12580), (304, 12592), (305, 12613), (307, 12673), (313, 12853),

Gene: Che8_14 Start: 9469, Stop: 13035, Start Num: 1
Candidate Starts for Che8_14:
(Start: 1 @9469 has 43 MA's), (Start: 2 @9490 has 204 MA's), (3, 9502), (5, 9541), (6, 9568), (10, 9670), (11, 9718), (12, 9742), (27, 9787), (28, 9796), (29, 9802), (33, 9865), (34, 9880), (40, 9982), (42, 9997), (46, 10048), (47, 10051), (48, 10060), (52, 10111), (53, 10126), (57, 10159), (59, 10189), (64, 10255), (65, 10264), (67, 10276), (68, 10291), (73, 10342), (74, 10345), (82, 10453), (85, 10498), (91, 10564), (92, 10573), (98, 10678), (99, 10690), (102, 10714), (111, 10789), (122, 10864), (129, 10885), (152, 11062), (164, 11227), (165, 11242), (166, 11245), (167, 11263), (168, 11284), (169, 11302), (173, 11374), (175, 11428), (176, 11464), (177, 11470), (178, 11503), (180, 11536), (182, 11557), (184, 11587), (186, 11620), (187, 11644), (188, 11647), (189, 11656), (191, 11701), (192, 11704), (195, 11728), (198, 11797), (199, 11803), (210, 11869), (211, 11872), (212, 11875), (214, 11893), (226, 11962), (233, 11995), (237, 12022), (243, 12085), (256, 12205), (262, 12259), (267, 12268), (268, 12274), (271, 12310), (281, 12415), (286, 12481), (291, 12589), (293, 12613), (294, 12619), (296, 12634), (299, 12649), (300, 12685), (302, 12748), (303, 12751), (306, 12823), (307, 12844), (313, 13021),

Gene: Cheesepuff_15 Start: 10047, Stop: 13805, Start Num: 2
Candidate Starts for Cheesepuff_15:
(Start: 2 @10047 has 204 MA's), (5, 10098), (6, 10125), (7, 10158), (8, 10182), (10, 10227), (11, 10275), (12, 10299), (13, 10341), (14, 10344), (15, 10353), (16, 10392), (20, 10488), (21, 10500), (23, 10512), (24, 10545), (26, 10572), (27, 10575), (28, 10584), (29, 10590), (31, 10602), (33, 10653), (38, 10719), (43, 10785), (47, 10818), (49, 10836), (51, 10860), (54, 10905), (56, 10923), (58, 10935), (62, 11007), (65, 11040), (66, 11043), (70, 11082), (73, 11124), (75, 11154), (77, 11160), (79, 11190), (81, 11226), (82, 11235), (83, 11247), (85, 11280), (87, 11322), (90, 11343), (92, 11364), (97, 11460), (98, 11469), (101, 11502), (102, 11505), (106, 11550), (109, 11571), (121, 11646), (126, 11664), (137, 11766), (154, 11970), (156, 11982), (160, 12051), (161, 12060), (164, 12111), (165, 12126), (166, 12129), (167, 12147), (168, 12168), (169, 12186), (173, 12258), (175, 12312), (176, 12348), (177, 12354), (180, 12420), (184, 12471), (186, 12504), (187, 12528), (188, 12531), (189, 12540), (191, 12585), (192, 12588), (195, 12612), (198, 12684), (199, 12690), (205, 12738), (214, 12789), (219, 12828), (220, 12831), (227, 12861), (232, 12888), (236, 12915), (239, 12960), (242, 12972), (250, 13059), (255, 13083), (270, 13131), (277, 13161), (281, 13182), (286, 13248), (291, 13356), (293,

13380), (294, 13386), (296, 13401), (299, 13416), (300, 13452), (302, 13515), (303, 13518), (304, 13530), (305, 13551), (307, 13611), (313, 13791),

Gene: Chevrolet_14 Start: 9500, Stop: 13048, Start Num: 1
Candidate Starts for Chevrolet_14:
(Start: 1 @9500 has 43 MA's), (Start: 2 @9521 has 204 MA's), (3, 9533), (5, 9572), (6, 9599), (8, 9656), (10, 9701), (12, 9773), (28, 9827), (29, 9833), (32, 9857), (33, 9896), (34, 9911), (43, 10028), (47, 10061), (51, 10103), (54, 10148), (56, 10166), (58, 10178), (62, 10250), (65, 10283), (66, 10286), (70, 10325), (73, 10367), (75, 10397), (77, 10403), (79, 10433), (81, 10469), (82, 10478), (83, 10490), (87, 10565), (90, 10586), (96, 10682), (97, 10703), (98, 10712), (101, 10745), (102, 10748), (103, 10760), (109, 10814), (112, 10826), (120, 10880), (121, 10889), (130, 10919), (137, 11009), (151, 11153), (154, 11213), (156, 11225), (160, 11294), (163, 11318), (164, 11357), (165, 11372), (166, 11375), (167, 11393), (168, 11414), (169, 11432), (173, 11504), (175, 11558), (176, 11594), (177, 11600), (180, 11666), (184, 11717), (186, 11750), (187, 11774), (188, 11777), (189, 11786), (191, 11831), (192, 11834), (193, 11840), (195, 11858), (198, 11927), (199, 11933), (214, 12032), (219, 12071), (220, 12074), (227, 12104), (236, 12158), (239, 12203), (255, 12326), (270, 12374), (277, 12404), (281, 12425), (286, 12491), (291, 12599), (293, 12623), (294, 12629), (296, 12644), (299, 12659), (300, 12695), (302, 12758), (303, 12761), (304, 12773), (305, 12794), (307, 12854), (313, 13034),

Gene: ChickenDinner_15 Start: 9332, Stop: 12883, Start Num: 1
Candidate Starts for ChickenDinner_15:
(Start: 1 @9332 has 43 MA's), (Start: 2 @9353 has 204 MA's), (3, 9365), (5, 9404), (6, 9431), (10, 9533), (12, 9605), (26, 9647), (28, 9659), (29, 9665), (33, 9728), (34, 9743), (43, 9860), (47, 9893), (49, 9911), (51, 9935), (54, 9980), (56, 9998), (58, 10010), (61, 10067), (62, 10082), (63, 10100), (65, 10115), (66, 10118), (70, 10157), (73, 10199), (75, 10229), (77, 10235), (79, 10265), (81, 10301), (82, 10310), (83, 10322), (85, 10355), (86, 10370), (87, 10397), (90, 10418), (92, 10439), (97, 10535), (98, 10544), (102, 10580), (103, 10592), (106, 10625), (109, 10646), (121, 10721), (122, 10727), (126, 10739), (137, 10841), (142, 10916), (154, 11045), (156, 11057), (160, 11126), (161, 11135), (164, 11186), (165, 11201), (166, 11204), (167, 11222), (168, 11243), (169, 11261), (173, 11333), (175, 11387), (176, 11423), (177, 11429), (178, 11462), (180, 11495), (184, 11546), (186, 11579), (187, 11603), (188, 11606), (189, 11615), (191, 11660), (192, 11663), (195, 11687), (198, 11759), (199, 11765), (232, 11963), (235, 11981), (238, 12014), (239, 12035), (250, 12137), (255, 12161), (270, 12209), (278, 12260), (286, 12326), (291, 12434), (293, 12458), (294, 12464), (296, 12479), (297, 12485), (299, 12494), (300, 12530), (302, 12593), (303, 12596), (305, 12629), (306, 12668), (307, 12689), (313, 12869),

Gene: Chuckly_14 Start: 9533, Stop: 13183, Start Num: 2
Candidate Starts for Chuckly_14:
(Start: 2 @9533 has 204 MA's), (3, 9545), (5, 9584), (6, 9611), (10, 9713), (11, 9761), (12, 9785), (26, 9827), (27, 9830), (28, 9839), (29, 9845), (33, 9908), (34, 9923), (43, 10040), (47, 10073), (51, 10115), (54, 10160), (56, 10178), (58, 10190), (62, 10262), (65, 10295), (66, 10298), (70, 10337), (73, 10379), (75, 10409), (77, 10415), (79, 10445), (81, 10481), (82, 10490), (83, 10502), (90, 10598), (96, 10694), (98, 10724), (101, 10757), (102, 10760), (103, 10772), (109, 10826), (112, 10838), (120, 10892), (121, 10901), (137, 11021), (151, 11165), (154, 11225), (156, 11237), (160, 11306), (163, 11330), (165, 11384), (166, 11387), (167, 11405), (168, 11426), (169, 11444), (175, 11570), (176, 11606), (177, 11612), (178, 11645), (180, 11678), (184, 11729), (186, 11762), (187, 11786), (188, 11789), (189, 11798), (191, 11843), (192, 11846), (193, 11852), (195, 11870), (199, 11945), (207, 12011), (208, 12014), (211, 12035), (213, 12047), (220, 12095), (222, 12104), (234, 12164), (241, 12227), (252, 12332), (255, 12347), (261, 12401), (263, 12404), (265, 12410), (267, 12416), (269, 12452), (281, 12560), (286, 12626), (291, 12734), (293, 12758), (294, 12764), (296, 12779), (299, 12794), (300, 12830), (302, 12893), (303, 12896), (304, 12908), (305, 12929), (307, 12989), (313, 13169),

Gene: Clank_14 Start: 9500, Stop: 13180, Start Num: 2
Candidate Starts for Clank_14:
(Start: 2 @9500 has 204 MA's), (3, 9512), (5, 9551), (6, 9578), (8, 9635), (10, 9680), (12, 9752), (26, 9794), (27, 9797), (28, 9806), (29, 9812), (32, 9836), (33, 9875), (34, 9890), (43, 10007), (47, 10040), (51, 10082), (54, 10127), (56, 10145), (58, 10157), (62, 10229), (65, 10262), (66, 10265), (70, 10304), (73, 10346), (75, 10376), (77, 10382), (79, 10412), (81, 10448), (82, 10457), (83, 10469), (90, 10565), (97, 10682), (98, 10691), (101, 10724), (102, 10727), (103, 10739), (106, 10772), (109, 10793), (121, 10868), (126, 10886), (137, 10988), (154, 11192), (156, 11204), (160, 11273), (164, 11333), (165, 11348), (166, 11351), (167, 11369), (168, 11390), (169, 11408), (173, 11480), (175, 11534), (176, 11570), (177, 11576), (178, 11609), (180, 11642), (184, 11693), (186, 11726), (187, 11750), (188, 11753), (189, 11762), (191, 11807), (192, 11810), (195, 11834), (198, 11906), (199, 11912), (227, 12083), (236, 12137), (239, 12182), (257, 12341), (259, 12380), (264, 12407), (267, 12416), (268, 12422), (271, 12458), (286, 12626), (291, 12734), (293, 12758), (294, 12764), (296, 12779), (297, 12785), (299, 12794), (300, 12830), (303, 12896), (304, 12908), (305, 12929), (306, 12968), (307, 12989), (313, 13166),

Gene: Clifton_14 Start: 9474, Stop: 12965, Start Num: 2
Candidate Starts for Clifton_14:
(Start: 1 @9453 has 43 MA's), (Start: 2 @9474 has 204 MA's), (3, 9486), (5, 9525), (6, 9552), (10, 9654), (11, 9702), (12, 9726), (26, 9768), (27, 9771), (28, 9780), (29, 9786), (33, 9849), (34, 9864), (43, 9981), (47, 10014), (49, 10032), (51, 10056), (54, 10101), (56, 10119), (58, 10131), (61, 10188), (62, 10203), (63, 10221), (65, 10236), (66, 10239), (70, 10278), (73, 10320), (75, 10350), (77, 10356), (79, 10386), (81, 10422), (82, 10431), (83, 10443), (85, 10476), (86, 10491), (87, 10518), (90, 10539), (92, 10560), (94, 10602), (96, 10635), (99, 10677), (100, 10689), (104, 10734), (106, 10746), (116, 10797), (117, 10806), (126, 10842), (128, 10848), (132, 10860), (136, 10923), (139, 10971), (145, 11034), (146, 11037), (148, 11046), (160, 11211), (164, 11274), (165, 11289), (166, 11292), (167, 11310), (168, 11331), (169, 11349), (173, 11421), (175, 11475), (176, 11511), (177, 11517), (178, 11550), (180, 11583), (184, 11634), (186, 11667), (187, 11691), (188, 11694), (189, 11703), (191, 11748), (192, 11751), (195, 11775), (198, 11844), (199, 11850), (214, 11949), (219, 11988), (220, 11991), (227, 12021), (232, 12048), (236, 12075), (239, 12120), (255, 12243), (270, 12291), (277, 12321), (281, 12342), (286, 12408), (291, 12516), (293, 12540), (294, 12546), (296, 12561), (299, 12576), (300, 12612), (302, 12675), (303, 12678), (304, 12690), (305, 12711), (306, 12750), (307, 12771), (313, 12951),

Gene: Coco12_16 Start: 9878, Stop: 13408, Start Num: 2
Candidate Starts for Coco12_16:
(Start: 2 @9878 has 204 MA's), (5, 9929), (6, 9956), (10, 10058), (12, 10130), (28, 10184), (29, 10190), (32, 10214), (33, 10253), (34, 10268), (43, 10385), (47, 10418), (49, 10436), (51, 10460), (54, 10505), (56, 10523), (58, 10535), (62, 10607), (65, 10640), (66, 10643), (70, 10682), (73, 10724), (75, 10754), (77, 10760), (79, 10790), (81, 10826), (82, 10835), (83, 10847), (90, 10943), (96, 11039), (98, 11069), (101, 11102), (102, 11105), (103, 11117), (109, 11171), (112, 11183), (120, 11237), (121, 11246), (137, 11366), (151, 11510), (154, 11570), (156, 11582), (160, 11651), (163, 11675), (165, 11729), (166, 11732), (167, 11750), (168, 11771), (169, 11789), (173, 11861), (175, 11915), (176, 11951), (177, 11957), (180, 12023), (184, 12074), (186, 12107), (187, 12131), (188, 12134), (189, 12143), (191, 12188), (192, 12191), (193, 12197), (195, 12215), (198, 12284), (199, 12290), (214, 12389), (232, 12488), (235, 12506), (239, 12560), (250, 12662), (255, 12686), (270, 12734), (277, 12764), (281, 12785), (286, 12851), (291, 12959), (293, 12983), (294, 12989), (296, 13004), (299, 13019), (300, 13055), (302, 13118), (303, 13121), (304, 13133), (305, 13154), (307, 13214), (313, 13394),

Gene: Corium_14 Start: 9533, Stop: 13063, Start Num: 2
Candidate Starts for Corium_14:
(Start: 2 @9533 has 204 MA's), (3, 9545), (5, 9584), (6, 9611), (8, 9668), (10, 9713), (12, 9785), (26, 9827), (27, 9830), (28, 9839), (29, 9845), (32, 9869), (33, 9908), (34, 9923), (43, 10040), (47, 10073),

(51, 10115), (54, 10160), (56, 10178), (58, 10190), (62, 10262), (65, 10295), (66, 10298), (70, 10337), (73, 10379), (75, 10409), (77, 10415), (79, 10445), (81, 10481), (82, 10490), (83, 10502), (90, 10598), (96, 10694), (98, 10724), (101, 10757), (102, 10760), (103, 10772), (109, 10826), (112, 10838), (120, 10892), (121, 10901), (137, 11021), (151, 11165), (154, 11225), (156, 11237), (160, 11306), (163, 11330), (165, 11384), (166, 11387), (168, 11426), (169, 11444), (173, 11516), (175, 11570), (176, 11606), (177, 11612), (180, 11678), (184, 11729), (186, 11762), (187, 11786), (188, 11789), (189, 11798), (191, 11843), (192, 11846), (193, 11852), (195, 11870), (198, 11939), (199, 11945), (214, 12044), (232, 12143), (235, 12161), (239, 12215), (250, 12317), (255, 12341), (270, 12389), (277, 12419), (281, 12440), (286, 12506), (291, 12614), (293, 12638), (294, 12644), (296, 12659), (299, 12674), (300, 12710), (302, 12773), (303, 12776), (304, 12788), (305, 12809), (307, 12869), (313, 13049),

Gene: Cornucopia_15 Start: 9372, Stop: 13064, Start Num: 2
Candidate Starts for Cornucopia_15:
(Start: 1 @9351 has 43 MA's), (Start: 2 @9372 has 204 MA's), (3, 9384), (5, 9423), (6, 9450), (8, 9507), (10, 9552), (12, 9624), (27, 9669), (28, 9678), (29, 9684), (33, 9747), (34, 9762), (43, 9879), (47, 9912), (51, 9954), (54, 9999), (56, 10017), (58, 10029), (62, 10101), (65, 10134), (66, 10137), (70, 10176), (73, 10218), (75, 10248), (77, 10254), (79, 10284), (81, 10320), (82, 10329), (83, 10341), (87, 10416), (90, 10437), (91, 10449), (92, 10458), (96, 10533), (97, 10554), (98, 10563), (102, 10599), (103, 10611), (106, 10644), (109, 10665), (121, 10740), (126, 10758), (130, 10770), (137, 10860), (151, 11004), (154, 11064), (156, 11076), (160, 11145), (163, 11169), (164, 11205), (165, 11220), (166, 11223), (168, 11262), (169, 11280), (173, 11352), (175, 11406), (176, 11442), (177, 11448), (180, 11514), (184, 11565), (186, 11598), (187, 11622), (188, 11625), (189, 11634), (191, 11679), (192, 11682), (193, 11688), (195, 11706), (200, 11796), (217, 11943), (221, 11964), (239, 12105), (244, 12129), (246, 12156), (268, 12336), (270, 12366), (287, 12525), (291, 12618), (293, 12642), (294, 12648), (296, 12663), (297, 12669), (299, 12678), (300, 12714), (302, 12777), (303, 12780), (305, 12813), (306, 12852), (307, 12873), (313, 13050),

Gene: Crumble_14 Start: 9491, Stop: 13012, Start Num: 2
Candidate Starts for Crumble_14:
(Start: 1 @9470 has 43 MA's), (Start: 2 @9491 has 204 MA's), (3, 9503), (5, 9542), (6, 9569), (8, 9626), (10, 9671), (12, 9743), (29, 9803), (33, 9866), (34, 9881), (43, 9998), (47, 10031), (49, 10049), (51, 10073), (54, 10118), (56, 10136), (58, 10148), (62, 10220), (65, 10253), (66, 10256), (70, 10295), (73, 10337), (75, 10367), (77, 10373), (79, 10403), (81, 10439), (82, 10448), (83, 10460), (85, 10493), (86, 10508), (87, 10535), (90, 10556), (91, 10568), (92, 10577), (97, 10673), (98, 10682), (101, 10715), (102, 10718), (103, 10730), (106, 10763), (109, 10784), (121, 10859), (122, 10865), (126, 10877), (137, 10979), (142, 11054), (154, 11183), (156, 11195), (160, 11261), (164, 11321), (165, 11336), (166, 11339), (167, 11357), (168, 11378), (169, 11396), (173, 11468), (175, 11522), (176, 11558), (177, 11564), (178, 11597), (180, 11630), (184, 11681), (186, 11714), (187, 11738), (188, 11741), (189, 11750), (191, 11795), (192, 11798), (193, 11804), (195, 11822), (198, 11891), (199, 11897), (214, 11996), (219, 12035), (220, 12038), (227, 12068), (232, 12095), (236, 12122), (239, 12167), (255, 12290), (270, 12338), (277, 12368), (281, 12389), (286, 12455), (291, 12563), (293, 12587), (294, 12593), (296, 12608), (299, 12623), (300, 12659), (302, 12722), (303, 12725), (304, 12737), (305, 12758), (306, 12797), (307, 12818), (313, 12998),

Gene: DLane_14 Start: 9531, Stop: 13013, Start Num: 2
Candidate Starts for DLane_14:
(Start: 2 @9531 has 204 MA's), (3, 9543), (5, 9582), (6, 9609), (8, 9666), (10, 9711), (12, 9783), (26, 9825), (27, 9828), (28, 9837), (29, 9843), (33, 9906), (34, 9921), (43, 10038), (47, 10071), (51, 10113), (54, 10158), (56, 10176), (58, 10188), (62, 10260), (65, 10293), (66, 10296), (70, 10335), (73, 10377), (75, 10407), (77, 10413), (79, 10443), (81, 10479), (82, 10488), (83, 10500), (90, 10596), (94, 10659), (99, 10734), (104, 10791), (106, 10803), (112, 10824), (116, 10854), (125, 10896), (126, 10899), (128, 10905), (132, 10917), (146, 11094), (148, 11103), (158, 11250), (160, 11265), (163, 11289), (165,

11340), (166, 11343), (167, 11361), (168, 11382), (169, 11400), (173, 11472), (175, 11526), (176, 11562), (177, 11568), (180, 11634), (184, 11685), (186, 11718), (187, 11742), (188, 11745), (189, 11754), (191, 11799), (192, 11802), (193, 11808), (195, 11826), (198, 11895), (199, 11901), (214, 12000), (219, 12039), (227, 12072), (232, 12099), (239, 12171), (255, 12294), (270, 12339), (277, 12369), (281, 12390), (286, 12456), (291, 12564), (293, 12588), (294, 12594), (296, 12609), (299, 12624), (300, 12660), (302, 12723), (303, 12726), (304, 12738), (305, 12759), (307, 12819), (313, 12999),

Gene: DRBy19_14 Start: 9494, Stop: 13042, Start Num: 1
Candidate Starts for DRBy19_14:
(Start: 1 @9494 has 43 MA's), (Start: 2 @9515 has 204 MA's), (3, 9527), (5, 9566), (6, 9593), (10, 9695), (12, 9767), (26, 9809), (27, 9812), (28, 9821), (29, 9827), (33, 9890), (34, 9905), (43, 10022), (47, 10055), (49, 10073), (51, 10097), (54, 10142), (56, 10160), (58, 10172), (61, 10229), (62, 10244), (63, 10262), (65, 10277), (66, 10280), (70, 10319), (73, 10361), (75, 10391), (77, 10397), (79, 10427), (81, 10463), (82, 10472), (83, 10484), (85, 10517), (86, 10532), (87, 10559), (90, 10580), (91, 10592), (92, 10601), (97, 10697), (98, 10706), (101, 10739), (102, 10742), (103, 10754), (106, 10787), (109, 10808), (112, 10820), (121, 10883), (122, 10889), (126, 10901), (137, 11003), (154, 11207), (156, 11219), (160, 11288), (161, 11297), (164, 11351), (165, 11366), (166, 11369), (167, 11387), (168, 11408), (169, 11426), (173, 11498), (175, 11552), (176, 11588), (177, 11594), (180, 11660), (184, 11711), (186, 11744), (187, 11768), (188, 11771), (189, 11780), (191, 11825), (192, 11828), (193, 11834), (195, 11852), (198, 11921), (199, 11927), (214, 12026), (219, 12065), (220, 12068), (227, 12098), (236, 12152), (239, 12197), (255, 12320), (270, 12368), (277, 12398), (281, 12419), (286, 12485), (288, 12509), (291, 12593), (293, 12617), (294, 12623), (296, 12638), (299, 12653), (300, 12689), (302, 12752), (303, 12755), (304, 12767), (305, 12788), (307, 12848), (313, 13028),

Gene: DaWorst_16 Start: 9884, Stop: 13543, Start Num: 2
Candidate Starts for DaWorst_16:
(Start: 2 @9884 has 204 MA's), (5, 9935), (6, 9962), (8, 10019), (10, 10064), (12, 10136), (28, 10190), (29, 10196), (33, 10259), (34, 10274), (43, 10391), (47, 10424), (51, 10466), (54, 10511), (56, 10529), (58, 10541), (61, 10598), (62, 10613), (63, 10631), (65, 10646), (66, 10649), (70, 10688), (72, 10706), (73, 10730), (75, 10760), (77, 10766), (79, 10796), (81, 10832), (82, 10841), (83, 10853), (85, 10886), (86, 10901), (87, 10928), (90, 10949), (91, 10961), (92, 10970), (94, 11012), (96, 11045), (99, 11087), (100, 11099), (104, 11144), (106, 11156), (116, 11207), (117, 11216), (125, 11249), (126, 11252), (128, 11258), (132, 11270), (136, 11333), (139, 11381), (145, 11444), (146, 11447), (148, 11456), (160, 11621), (161, 11630), (164, 11681), (165, 11696), (166, 11699), (167, 11717), (168, 11738), (169, 11756), (173, 11828), (175, 11882), (176, 11918), (177, 11924), (178, 11957), (180, 11990), (184, 12041), (186, 12074), (187, 12098), (188, 12101), (189, 12110), (191, 12155), (192, 12158), (195, 12182), (200, 12272), (217, 12419), (221, 12440), (239, 12581), (244, 12605), (246, 12632), (268, 12812), (270, 12842), (280, 12914), (287, 13001), (291, 13094), (293, 13118), (294, 13124), (296, 13139), (299, 13154), (300, 13190), (302, 13253), (303, 13256), (305, 13289), (307, 13349), (313, 13529),

Gene: DaddyRickover_14 Start: 9465, Stop: 13181, Start Num: 1
Candidate Starts for DaddyRickover_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (26, 9780), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (90, 10551), (92, 10572), (97, 10668), (98, 10677), (102, 10713), (103, 10725), (106, 10758), (109, 10779), (120, 10845), (121, 10854), (126, 10872), (137, 10974), (142, 11049), (151, 11118), (154, 11178), (156, 11190), (160, 11259), (161, 11268), (164, 11322), (165, 11337), (166, 11340), (167, 11358), (168, 11379), (169, 11397), (173, 11469), (175, 11523), (176, 11559), (177, 11565), (178, 11598), (180, 11631), (184, 11682), (186, 11715), (187, 11739), (188, 11742), (189, 11751),

(191, 11796), (192, 11799), (195, 11823), (200, 11913), (217, 12060), (221, 12081), (239, 12222), (244, 12246), (246, 12273), (268, 12453), (270, 12483), (280, 12555), (287, 12642), (291, 12735), (293, 12759), (294, 12765), (296, 12780), (297, 12786), (299, 12795), (300, 12831), (302, 12894), (303, 12897), (305, 12930), (306, 12969), (307, 12990), (313, 13167),

Gene: Daenerys_14 Start: 9486, Stop: 13013, Start Num: 2
Candidate Starts for Daenerys_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (26, 9780), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (90, 10551), (92, 10572), (97, 10668), (98, 10677), (102, 10713), (103, 10725), (106, 10758), (109, 10779), (120, 10845), (121, 10854), (126, 10872), (137, 10974), (142, 11049), (151, 11118), (154, 11178), (156, 11190), (160, 11259), (161, 11268), (164, 11322), (165, 11337), (166, 11340), (167, 11358), (168, 11379), (169, 11397), (173, 11469), (175, 11523), (176, 11559), (177, 11565), (178, 11598), (180, 11631), (184, 11682), (186, 11715), (187, 11739), (188, 11742), (189, 11751), (191, 11796), (192, 11799), (193, 11805), (195, 11823), (198, 11892), (199, 11898), (214, 11997), (219, 12036), (220, 12039), (227, 12069), (236, 12123), (239, 12168), (255, 12291), (270, 12339), (277, 12369), (281, 12390), (286, 12456), (291, 12564), (293, 12588), (294, 12594), (296, 12609), (299, 12624), (300, 12660), (302, 12723), (303, 12726), (304, 12738), (305, 12759), (306, 12798), (307, 12819), (313, 12999),

Gene: Dante_14 Start: 9517, Stop: 13044, Start Num: 2
Candidate Starts for Dante_14:
(Start: 1 @9496 has 43 MA's), (Start: 2 @9517 has 204 MA's), (3, 9529), (5, 9568), (6, 9595), (10, 9697), (11, 9745), (12, 9769), (26, 9811), (28, 9823), (29, 9829), (33, 9892), (34, 9907), (43, 10024), (47, 10057), (49, 10075), (51, 10099), (54, 10144), (56, 10162), (58, 10174), (61, 10231), (62, 10246), (63, 10264), (65, 10279), (66, 10282), (70, 10321), (73, 10363), (75, 10393), (77, 10399), (79, 10429), (81, 10465), (82, 10474), (83, 10486), (85, 10519), (86, 10534), (87, 10561), (90, 10582), (92, 10603), (97, 10699), (98, 10708), (102, 10744), (103, 10756), (106, 10789), (109, 10810), (121, 10885), (126, 10903), (137, 11005), (142, 11080), (154, 11209), (156, 11221), (160, 11290), (164, 11353), (165, 11368), (166, 11371), (167, 11389), (168, 11410), (169, 11428), (173, 11500), (175, 11554), (176, 11590), (177, 11596), (180, 11662), (184, 11713), (186, 11746), (187, 11770), (188, 11773), (189, 11782), (191, 11827), (192, 11830), (195, 11854), (198, 11926), (199, 11932), (214, 12031), (219, 12070), (220, 12073), (227, 12103), (236, 12157), (239, 12202), (255, 12325), (270, 12373), (277, 12403), (281, 12424), (286, 12490), (291, 12598), (293, 12622), (294, 12628), (296, 12643), (299, 12658), (300, 12694), (302, 12757), (303, 12760), (305, 12793), (306, 12832), (307, 12853), (313, 13030),

Gene: DeadP_14 Start: 9532, Stop: 13059, Start Num: 2
Candidate Starts for DeadP_14:
(Start: 2 @9532 has 204 MA's), (3, 9544), (5, 9583), (6, 9610), (8, 9667), (10, 9712), (12, 9784), (28, 9838), (29, 9844), (33, 9907), (34, 9922), (43, 10039), (47, 10072), (51, 10114), (54, 10159), (56, 10177), (58, 10189), (62, 10261), (65, 10294), (66, 10297), (70, 10336), (73, 10378), (75, 10408), (77, 10414), (79, 10444), (81, 10480), (82, 10489), (83, 10501), (90, 10597), (96, 10693), (98, 10723), (101, 10756), (102, 10759), (103, 10771), (109, 10825), (112, 10837), (120, 10891), (121, 10900), (137, 11020), (151, 11164), (154, 11224), (156, 11236), (160, 11305), (163, 11329), (165, 11383), (166, 11386), (167, 11404), (168, 11425), (169, 11443), (175, 11569), (176, 11605), (177, 11611), (180, 11677), (184, 11728), (186, 11761), (187, 11785), (188, 11788), (189, 11797), (191, 11842), (192, 11845), (193, 11851), (195, 11869), (198, 11938), (199, 11944), (214, 12043), (219, 12082), (220, 12085), (227, 12115), (232, 12142), (236, 12169), (239, 12214), (255, 12337), (270, 12385), (277, 12415), (281, 12436), (286, 12502), (291, 12610), (293, 12634), (294, 12640), (296, 12655), (299, 12670), (300, 12706), (302, 12769), (303, 12772), (304, 12784), (305, 12805), (307, 12865), (313,

13045),

Gene: Deb65_14 Start: 9486, Stop: 13010, Start Num: 2
Candidate Starts for Deb65_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (26, 9780), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (90, 10551), (92, 10572), (97, 10668), (98, 10677), (102, 10713), (103, 10725), (106, 10758), (109, 10779), (120, 10845), (121, 10854), (126, 10872), (137, 10974), (142, 11049), (151, 11118), (154, 11178), (156, 11190), (160, 11259), (161, 11268), (164, 11322), (165, 11337), (166, 11340), (167, 11358), (168, 11379), (169, 11397), (173, 11469), (175, 11523), (176, 11559), (177, 11565), (178, 11598), (180, 11631), (184, 11682), (186, 11715), (187, 11739), (188, 11742), (189, 11751), (191, 11796), (192, 11799), (193, 11805), (195, 11823), (198, 11892), (199, 11898), (214, 11997), (219, 12036), (220, 12039), (227, 12069), (236, 12123), (239, 12168), (255, 12291), (270, 12339), (277, 12369), (281, 12390), (286, 12456), (291, 12564), (293, 12588), (294, 12594), (296, 12609), (297, 12615), (299, 12624), (300, 12660), (302, 12723), (303, 12726), (305, 12759), (306, 12798), (307, 12819), (313, 12996),

Gene: DillTech15_14 Start: 9530, Stop: 13060, Start Num: 2
Candidate Starts for DillTech15_14:
(Start: 1 @9509 has 43 MA's), (Start: 2 @9530 has 204 MA's), (3, 9542), (5, 9581), (6, 9608), (8, 9665), (10, 9710), (12, 9782), (28, 9836), (29, 9842), (32, 9866), (33, 9905), (34, 9920), (43, 10037), (47, 10070), (51, 10112), (54, 10157), (56, 10175), (58, 10187), (62, 10259), (65, 10292), (66, 10295), (70, 10334), (73, 10376), (75, 10406), (77, 10412), (79, 10442), (81, 10478), (82, 10487), (83, 10499), (90, 10595), (96, 10691), (98, 10721), (101, 10754), (102, 10757), (103, 10769), (109, 10823), (112, 10835), (120, 10889), (121, 10898), (137, 11018), (151, 11162), (154, 11222), (156, 11234), (160, 11303), (163, 11327), (165, 11381), (166, 11384), (167, 11402), (168, 11423), (169, 11441), (173, 11513), (175, 11567), (176, 11603), (177, 11609), (180, 11675), (184, 11726), (186, 11759), (187, 11783), (188, 11786), (189, 11795), (191, 11840), (192, 11843), (193, 11849), (195, 11867), (198, 11936), (199, 11942), (214, 12041), (232, 12140), (235, 12158), (239, 12212), (250, 12314), (255, 12338), (270, 12386), (277, 12416), (281, 12437), (286, 12503), (291, 12611), (293, 12635), (294, 12641), (296, 12656), (299, 12671), (300, 12707), (302, 12770), (303, 12773), (304, 12785), (305, 12806), (307, 12866), (313, 13046),

Gene: DirtMcgirt_15 Start: 9325, Stop: 12837, Start Num: 1
Candidate Starts for DirtMcgirt_15:
(Start: 1 @9325 has 43 MA's), (Start: 2 @9346 has 204 MA's), (3, 9358), (5, 9397), (6, 9424), (10, 9526), (11, 9574), (12, 9598), (28, 9652), (29, 9658), (33, 9721), (34, 9736), (43, 9853), (47, 9886), (49, 9904), (51, 9928), (54, 9973), (56, 9991), (62, 10075), (65, 10108), (66, 10111), (70, 10150), (73, 10192), (75, 10222), (77, 10228), (79, 10258), (81, 10294), (82, 10303), (83, 10315), (85, 10348), (86, 10363), (87, 10390), (90, 10411), (92, 10432), (94, 10474), (96, 10507), (99, 10549), (100, 10561), (104, 10606), (106, 10618), (116, 10669), (117, 10678), (126, 10714), (128, 10720), (132, 10732), (136, 10795), (139, 10843), (145, 10906), (146, 10909), (148, 10918), (160, 11083), (164, 11146), (165, 11161), (166, 11164), (167, 11182), (168, 11203), (169, 11221), (173, 11293), (175, 11347), (176, 11383), (177, 11389), (178, 11422), (180, 11455), (184, 11506), (186, 11539), (187, 11563), (189, 11575), (191, 11620), (192, 11623), (193, 11629), (195, 11647), (198, 11716), (199, 11722), (214, 11821), (216, 11842), (232, 11920), (235, 11938), (239, 11992), (250, 12091), (255, 12115), (270, 12163), (277, 12193), (281, 12214), (286, 12280), (291, 12388), (293, 12412), (294, 12418), (296, 12433), (299, 12448), (300, 12484), (302, 12547), (303, 12550), (304, 12562), (305, 12583), (306, 12622), (307, 12643), (313, 12823),

Gene: DoRead_14 Start: 9467, Stop: 12979, Start Num: 1

Candidate Starts for DoRead_14:
(Start: 1 @9467 has 43 MA's), (Start: 2 @9488 has 204 MA's), (3, 9500), (5, 9539), (6, 9566), (10, 9668), (11, 9716), (12, 9740), (26, 9782), (27, 9785), (28, 9794), (29, 9800), (33, 9863), (34, 9878), (43, 9995), (47, 10028), (49, 10046), (51, 10070), (54, 10115), (56, 10133), (58, 10145), (61, 10202), (62, 10217), (63, 10235), (65, 10250), (66, 10253), (70, 10292), (73, 10334), (75, 10364), (77, 10370), (79, 10400), (81, 10436), (82, 10445), (83, 10457), (85, 10490), (86, 10505), (87, 10532), (90, 10553), (91, 10565), (92, 10574), (94, 10616), (96, 10649), (99, 10691), (100, 10703), (104, 10748), (106, 10760), (116, 10811), (117, 10820), (125, 10853), (126, 10856), (128, 10862), (132, 10874), (136, 10937), (139, 10985), (145, 11048), (146, 11051), (160, 11225), (161, 11234), (164, 11288), (165, 11303), (166, 11306), (167, 11324), (168, 11345), (169, 11363), (173, 11435), (175, 11489), (176, 11525), (177, 11531), (178, 11564), (180, 11597), (184, 11648), (186, 11681), (187, 11705), (188, 11708), (189, 11717), (191, 11762), (192, 11765), (193, 11771), (195, 11789), (198, 11858), (199, 11864), (214, 11963), (218, 11996), (232, 12062), (235, 12080), (239, 12134), (242, 12146), (250, 12233), (255, 12257), (270, 12305), (277, 12335), (281, 12356), (286, 12422), (291, 12530), (293, 12554), (296, 12575), (297, 12581), (300, 12626), (302, 12689), (303, 12692), (304, 12704), (305, 12725), (307, 12785), (313, 12965),

Gene: DocMcStuffins_15 Start: 9353, Stop: 12883, Start Num: 2
Candidate Starts for DocMcStuffins_15:
(Start: 1 @9332 has 43 MA's), (Start: 2 @9353 has 204 MA's), (3, 9365), (5, 9404), (6, 9431), (10, 9533), (12, 9605), (26, 9647), (28, 9659), (29, 9665), (33, 9728), (34, 9743), (43, 9860), (47, 9893), (49, 9911), (51, 9935), (54, 9980), (56, 9998), (58, 10010), (61, 10067), (62, 10082), (63, 10100), (65, 10115), (66, 10118), (70, 10157), (73, 10199), (75, 10229), (77, 10235), (79, 10265), (81, 10301), (82, 10310), (83, 10322), (85, 10355), (86, 10370), (87, 10397), (90, 10418), (92, 10439), (97, 10535), (98, 10544), (102, 10580), (103, 10592), (106, 10625), (109, 10646), (121, 10721), (122, 10727), (126, 10739), (137, 10841), (142, 10916), (154, 11045), (156, 11057), (160, 11126), (161, 11135), (164, 11186), (165, 11201), (166, 11204), (167, 11222), (168, 11243), (169, 11261), (173, 11333), (175, 11387), (176, 11423), (177, 11429), (178, 11462), (180, 11495), (184, 11546), (186, 11579), (187, 11603), (188, 11606), (189, 11615), (191, 11660), (192, 11663), (195, 11687), (198, 11759), (199, 11765), (232, 11963), (235, 11981), (238, 12014), (239, 12035), (250, 12137), (255, 12161), (270, 12209), (278, 12260), (286, 12326), (291, 12434), (293, 12458), (294, 12464), (296, 12479), (297, 12485), (299, 12494), (300, 12530), (302, 12593), (303, 12596), (305, 12629), (306, 12668), (307, 12689), (313, 12869),

Gene: Donkeykong_14 Start: 9509, Stop: 13189, Start Num: 2
Candidate Starts for Donkeykong_14:
(Start: 1 @9488 has 43 MA's), (Start: 2 @9509 has 204 MA's), (3, 9521), (5, 9560), (6, 9587), (10, 9689), (11, 9737), (12, 9761), (28, 9815), (29, 9821), (33, 9884), (34, 9899), (43, 10016), (47, 10049), (49, 10067), (51, 10091), (54, 10136), (56, 10154), (58, 10166), (62, 10238), (65, 10271), (66, 10274), (70, 10313), (73, 10355), (75, 10385), (77, 10391), (79, 10421), (81, 10457), (82, 10466), (83, 10478), (85, 10511), (86, 10526), (87, 10553), (90, 10574), (91, 10586), (92, 10595), (97, 10691), (98, 10700), (102, 10736), (103, 10748), (106, 10781), (109, 10802), (121, 10877), (126, 10895), (137, 10997), (142, 11072), (154, 11201), (156, 11213), (160, 11282), (164, 11345), (165, 11360), (166, 11363), (167, 11381), (168, 11402), (169, 11420), (173, 11492), (175, 11546), (176, 11582), (177, 11588), (180, 11654), (184, 11705), (186, 11738), (187, 11762), (188, 11765), (189, 11774), (191, 11819), (192, 11822), (195, 11846), (198, 11918), (199, 11924), (227, 12095), (236, 12149), (239, 12194), (257, 12353), (259, 12392), (265, 12416), (267, 12422), (268, 12428), (271, 12464), (286, 12632), (291, 12740), (293, 12764), (294, 12770), (296, 12785), (299, 12800), (300, 12836), (302, 12899), (303, 12902), (304, 12914), (305, 12935), (307, 12995), (313, 13175),

Gene: Doomphist_14 Start: 9465, Stop: 13145, Start Num: 1
Candidate Starts for Doomphist_14:

(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (49, 10044), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (90, 10551), (92, 10572), (94, 10614), (96, 10647), (99, 10689), (100, 10701), (104, 10746), (106, 10758), (116, 10809), (117, 10818), (126, 10854), (128, 10860), (132, 10872), (136, 10935), (139, 10983), (145, 11046), (146, 11049), (148, 11058), (160, 11223), (164, 11286), (165, 11301), (166, 11304), (167, 11322), (168, 11343), (169, 11361), (173, 11433), (175, 11487), (176, 11523), (177, 11529), (178, 11562), (180, 11595), (184, 11646), (186, 11679), (187, 11703), (188, 11706), (189, 11715), (191, 11760), (192, 11763), (195, 11787), (200, 11877), (217, 12024), (221, 12045), (239, 12186), (244, 12210), (246, 12237), (268, 12417), (270, 12447), (280, 12519), (287, 12606), (291, 12699), (293, 12723), (294, 12729), (296, 12744), (297, 12750), (299, 12759), (300, 12795), (302, 12858), (303, 12861), (305, 12894), (306, 12933), (307, 12954), (313, 13131),

Gene: Doomslug_16 Start: 9366, Stop: 12896, Start Num: 2
Candidate Starts for Doomslug_16:
(Start: 2 @9366 has 204 MA's), (3, 9378), (5, 9417), (6, 9444), (8, 9501), (10, 9546), (12, 9618), (28, 9672), (29, 9678), (33, 9741), (34, 9756), (43, 9873), (47, 9906), (51, 9948), (54, 9993), (56, 10011), (58, 10023), (62, 10095), (65, 10128), (66, 10131), (70, 10170), (73, 10212), (75, 10242), (77, 10248), (79, 10278), (81, 10314), (82, 10323), (83, 10335), (90, 10431), (96, 10527), (98, 10557), (101, 10590), (102, 10593), (103, 10605), (109, 10659), (112, 10671), (120, 10725), (121, 10734), (137, 10854), (154, 11058), (156, 11070), (160, 11139), (163, 11163), (165, 11217), (166, 11220), (167, 11238), (168, 11259), (169, 11277), (173, 11349), (175, 11403), (176, 11439), (177, 11445), (180, 11511), (184, 11562), (186, 11595), (187, 11619), (188, 11622), (189, 11631), (191, 11676), (192, 11679), (193, 11685), (195, 11703), (198, 11772), (199, 11778), (214, 11877), (232, 11976), (235, 11994), (239, 12048), (250, 12150), (255, 12174), (270, 12222), (277, 12252), (281, 12273), (286, 12339), (291, 12447), (293, 12471), (294, 12477), (296, 12492), (299, 12507), (300, 12543), (302, 12606), (303, 12609), (304, 12621), (305, 12642), (307, 12702), (313, 12882),

Gene: Dorothy_14 Start: 9465, Stop: 12971, Start Num: 1
Candidate Starts for Dorothy_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (12, 9738), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (86, 10503), (87, 10530), (90, 10551), (92, 10572), (94, 10614), (96, 10647), (99, 10689), (100, 10701), (104, 10746), (106, 10758), (116, 10809), (117, 10818), (126, 10854), (128, 10860), (132, 10872), (136, 10935), (139, 10983), (145, 11046), (146, 11049), (148, 11058), (160, 11223), (164, 11286), (165, 11301), (166, 11304), (167, 11322), (168, 11343), (169, 11361), (173, 11433), (175, 11487), (176, 11523), (177, 11529), (180, 11595), (184, 11646), (186, 11679), (187, 11703), (188, 11706), (189, 11715), (191, 11760), (192, 11763), (193, 11769), (195, 11787), (198, 11856), (199, 11862), (214, 11961), (219, 12000), (220, 12003), (227, 12033), (232, 12060), (236, 12087), (239, 12132), (255, 12255), (270, 12300), (277, 12330), (281, 12351), (286, 12417), (291, 12525), (293, 12549), (294, 12555), (296, 12570), (299, 12585), (300, 12621), (302, 12684), (303, 12687), (305, 12720), (306, 12759), (307, 12780), (313, 12957),

Gene: DosHalletts_15 Start: 9340, Stop: 12945, Start Num: 2
Candidate Starts for DosHalletts_15:
(Start: 2 @9340 has 204 MA's), (5, 9391), (6, 9418), (8, 9475), (10, 9520), (12, 9592), (26, 9634), (27, 9637), (28, 9646), (29, 9652), (33, 9715), (34, 9730), (43, 9847), (47, 9880), (51, 9922), (54, 9967), (56, 9985), (58, 9997), (62, 10069), (65, 10102), (66, 10105), (70, 10144), (73, 10186), (75, 10216), (77, 10222), (79, 10252), (81, 10288), (82, 10297), (83, 10309), (90, 10405), (94, 10468), (99, 10543), (105, 10600), (107, 10612), (110, 10633), (115, 10663), (123, 10705), (124, 10708), (126, 10714), (130,

10726), (144, 10903), (147, 10912), (159, 11059), (160, 11074), (163, 11098), (165, 11149), (166, 11152), (168, 11191), (169, 11209), (175, 11335), (176, 11371), (177, 11377), (180, 11443), (184, 11494), (186, 11527), (187, 11551), (188, 11554), (189, 11563), (191, 11608), (192, 11611), (193, 11617), (195, 11635), (198, 11704), (199, 11710), (207, 11776), (208, 11779), (209, 11782), (211, 11800), (213, 11812), (220, 11860), (222, 11869), (229, 11902), (234, 11929), (241, 11992), (247, 12043), (252, 12097), (255, 12112), (261, 12166), (265, 12175), (267, 12181), (269, 12217), (272, 12244), (281, 12322), (286, 12388), (291, 12496), (293, 12520), (294, 12526), (296, 12541), (299, 12556), (300, 12592), (302, 12655), (303, 12658), (304, 12670), (305, 12691), (307, 12751), (313, 12931),

Gene: DotProduct_14 Start: 9533, Stop: 13021, Start Num: 2
Candidate Starts for DotProduct_14:
(Start: 2 @9533 has 204 MA's), (3, 9545), (5, 9584), (6, 9611), (10, 9713), (11, 9761), (12, 9785), (28, 9839), (29, 9845), (33, 9908), (34, 9923), (43, 10040), (47, 10073), (49, 10091), (51, 10115), (54, 10160), (56, 10178), (62, 10262), (65, 10295), (66, 10298), (70, 10337), (73, 10379), (75, 10409), (77, 10415), (79, 10445), (81, 10481), (82, 10490), (83, 10502), (85, 10535), (86, 10550), (87, 10577), (90, 10598), (91, 10610), (92, 10619), (94, 10661), (96, 10694), (99, 10736), (100, 10748), (104, 10793), (106, 10805), (116, 10856), (117, 10865), (125, 10898), (126, 10901), (128, 10907), (132, 10919), (136, 10982), (145, 11093), (146, 11096), (148, 11105), (160, 11270), (164, 11330), (165, 11345), (166, 11348), (167, 11366), (168, 11387), (169, 11405), (173, 11477), (175, 11531), (176, 11567), (177, 11573), (178, 11606), (180, 11639), (184, 11690), (186, 11723), (187, 11747), (188, 11750), (189, 11759), (191, 11804), (192, 11807), (193, 11813), (195, 11831), (198, 11900), (199, 11906), (214, 12005), (219, 12044), (220, 12047), (227, 12077), (236, 12131), (239, 12176), (242, 12188), (255, 12299), (270, 12347), (277, 12377), (281, 12398), (286, 12464), (291, 12572), (293, 12596), (294, 12602), (296, 12617), (299, 12632), (300, 12668), (302, 12731), (303, 12734), (304, 12746), (305, 12767), (307, 12827), (313, 13007),

Gene: Doug_15 Start: 10032, Stop: 13559, Start Num: 2
Candidate Starts for Doug_15:
(Start: 2 @10032 has 204 MA's), (5, 10083), (6, 10110), (10, 10212), (12, 10284), (28, 10338), (29, 10344), (33, 10407), (34, 10422), (43, 10539), (47, 10572), (51, 10614), (54, 10659), (56, 10677), (58, 10689), (62, 10761), (65, 10794), (66, 10797), (70, 10836), (73, 10878), (75, 10908), (77, 10914), (79, 10944), (81, 10980), (82, 10989), (83, 11001), (90, 11097), (96, 11193), (97, 11214), (98, 11223), (102, 11259), (103, 11271), (106, 11304), (109, 11325), (120, 11391), (121, 11400), (126, 11418), (137, 11520), (151, 11664), (154, 11724), (156, 11736), (160, 11805), (161, 11814), (164, 11868), (165, 11883), (166, 11886), (167, 11904), (168, 11925), (169, 11943), (173, 12015), (175, 12069), (176, 12105), (177, 12111), (178, 12144), (180, 12177), (184, 12228), (186, 12261), (187, 12285), (188, 12288), (189, 12297), (191, 12342), (192, 12345), (193, 12351), (195, 12369), (198, 12438), (199, 12444), (214, 12543), (219, 12582), (220, 12585), (227, 12615), (236, 12669), (239, 12714), (255, 12837), (270, 12885), (277, 12915), (281, 12936), (286, 13002), (291, 13110), (293, 13134), (294, 13140), (296, 13155), (299, 13170), (300, 13206), (302, 13269), (303, 13272), (304, 13284), (305, 13305), (307, 13365), (313, 13545),

Gene: Drago_15 Start: 9323, Stop: 12835, Start Num: 1
Candidate Starts for Drago_15:
(Start: 1 @9323 has 43 MA's), (Start: 2 @9344 has 204 MA's), (3, 9356), (5, 9395), (6, 9422), (10, 9524), (11, 9572), (12, 9596), (26, 9638), (27, 9641), (28, 9650), (29, 9656), (33, 9719), (34, 9734), (43, 9851), (47, 9884), (49, 9902), (51, 9926), (54, 9971), (56, 9989), (58, 10001), (61, 10058), (62, 10073), (63, 10091), (65, 10106), (66, 10109), (70, 10148), (73, 10190), (75, 10220), (77, 10226), (79, 10256), (81, 10292), (82, 10301), (83, 10313), (85, 10346), (87, 10388), (90, 10409), (91, 10421), (92, 10430), (94, 10472), (96, 10505), (99, 10547), (100, 10559), (104, 10604), (106, 10616), (116, 10667), (117, 10676), (126, 10712), (128, 10718), (132, 10730), (136, 10793), (139, 10841), (145, 10904), (146, 10907), (148, 10916), (160, 11081), (164, 11144), (165, 11159), (166, 11162), (167, 11180), (168,

11201), (169, 11219), (173, 11291), (175, 11345), (176, 11381), (177, 11387), (178, 11420), (180, 11453), (184, 11504), (186, 11537), (187, 11561), (188, 11564), (189, 11573), (191, 11618), (192, 11621), (195, 11645), (198, 11714), (199, 11720), (214, 11819), (219, 11858), (220, 11861), (227, 11891), (232, 11918), (236, 11945), (239, 11990), (255, 12113), (270, 12161), (277, 12191), (281, 12212), (286, 12278), (291, 12386), (293, 12410), (294, 12416), (296, 12431), (299, 12446), (300, 12482), (302, 12545), (303, 12548), (304, 12560), (305, 12581), (307, 12641), (313, 12821),

Gene: Eish_14 Start: 9482, Stop: 13153, Start Num: 2
Candidate Starts for Eish_14:
(Start: 1 @9461 has 43 MA's), (Start: 2 @9482 has 204 MA's), (3, 9494), (5, 9533), (6, 9560), (10, 9662), (12, 9734), (26, 9776), (28, 9788), (29, 9794), (33, 9857), (34, 9872), (43, 9989), (47, 10022), (49, 10040), (51, 10064), (54, 10109), (56, 10127), (58, 10139), (62, 10211), (65, 10244), (66, 10247), (70, 10286), (73, 10328), (75, 10358), (77, 10364), (79, 10394), (81, 10430), (82, 10439), (83, 10451), (85, 10484), (86, 10499), (87, 10526), (90, 10547), (92, 10568), (97, 10664), (98, 10673), (102, 10709), (103, 10721), (106, 10754), (109, 10775), (121, 10850), (122, 10856), (126, 10868), (137, 10970), (154, 11174), (156, 11186), (160, 11255), (164, 11315), (165, 11330), (166, 11333), (167, 11351), (168, 11372), (169, 11390), (173, 11462), (175, 11516), (176, 11552), (177, 11558), (180, 11624), (184, 11675), (186, 11708), (187, 11732), (188, 11735), (189, 11744), (191, 11789), (192, 11792), (195, 11816), (198, 11885), (199, 11891), (227, 12062), (236, 12116), (239, 12161), (257, 12320), (259, 12359), (265, 12383), (267, 12389), (268, 12395), (271, 12431), (286, 12599), (291, 12707), (293, 12731), (294, 12737), (296, 12752), (297, 12758), (299, 12767), (300, 12803), (302, 12866), (303, 12869), (305, 12902), (306, 12941), (307, 12962), (313, 13139),

Gene: EleanorGeorge_14 Start: 9534, Stop: 13178, Start Num: 2
Candidate Starts for EleanorGeorge_14:
(Start: 2 @9534 has 204 MA's), (3, 9546), (5, 9585), (6, 9612), (8, 9669), (10, 9714), (12, 9786), (28, 9840), (29, 9846), (32, 9870), (33, 9909), (34, 9924), (43, 10041), (47, 10074), (51, 10116), (54, 10161), (56, 10179), (58, 10191), (62, 10263), (65, 10296), (66, 10299), (70, 10338), (73, 10380), (75, 10410), (77, 10416), (79, 10446), (81, 10482), (82, 10491), (83, 10503), (90, 10599), (96, 10695), (98, 10725), (101, 10758), (102, 10761), (103, 10773), (109, 10827), (112, 10839), (120, 10893), (121, 10902), (137, 11022), (151, 11166), (154, 11226), (156, 11238), (160, 11307), (163, 11331), (165, 11382), (166, 11385), (168, 11424), (169, 11442), (173, 11514), (175, 11568), (176, 11604), (177, 11610), (180, 11676), (184, 11727), (186, 11760), (187, 11784), (188, 11787), (189, 11796), (191, 11841), (192, 11844), (193, 11850), (195, 11868), (199, 11943), (207, 12009), (208, 12012), (211, 12033), (213, 12045), (220, 12093), (222, 12102), (229, 12135), (234, 12162), (241, 12225), (252, 12330), (255, 12345), (261, 12399), (265, 12408), (267, 12414), (281, 12555), (286, 12621), (291, 12729), (293, 12753), (294, 12759), (296, 12774), (299, 12789), (300, 12825), (302, 12888), (303, 12891), (304, 12903), (305, 12924), (307, 12984), (313, 13164),

Gene: EmiMonkey_14 Start: 9504, Stop: 12992, Start Num: 2
Candidate Starts for EmiMonkey_14:
(Start: 2 @9504 has 204 MA's), (5, 9555), (6, 9582), (8, 9639), (10, 9684), (12, 9756), (28, 9810), (29, 9816), (33, 9879), (34, 9894), (43, 10011), (47, 10044), (49, 10062), (51, 10086), (54, 10131), (56, 10149), (58, 10161), (61, 10218), (62, 10233), (63, 10251), (65, 10266), (66, 10269), (70, 10308), (73, 10350), (75, 10380), (77, 10386), (79, 10416), (81, 10452), (82, 10461), (83, 10473), (85, 10506), (86, 10521), (87, 10548), (90, 10569), (91, 10581), (92, 10590), (94, 10632), (96, 10665), (99, 10707), (100, 10719), (104, 10764), (106, 10776), (116, 10827), (117, 10836), (125, 10869), (126, 10872), (128, 10878), (132, 10890), (136, 10953), (139, 11001), (145, 11064), (146, 11067), (148, 11076), (160, 11241), (161, 11250), (164, 11301), (165, 11316), (166, 11319), (167, 11337), (168, 11358), (169, 11376), (173, 11448), (175, 11502), (176, 11538), (177, 11544), (178, 11577), (180, 11610), (184, 11661), (186, 11694), (187, 11718), (188, 11721), (189, 11730), (191, 11775), (192, 11778), (193, 11784), (195, 11802), (198, 11871), (199, 11877), (214, 11976), (219, 12015), (220, 12018), (227, 12048), (232, 12075), (236, 12102), (239, 12147), (255, 12270), (270, 12318), (277, 12348), (281,

12369), (286, 12435), (291, 12543), (293, 12567), (294, 12573), (296, 12588), (299, 12603), (300, 12639), (302, 12702), (303, 12705), (304, 12717), (305, 12738), (307, 12798), (313, 12978),

Gene: Emma_14 Start: 9531, Stop: 13061, Start Num: 2
Candidate Starts for Emma_14:
(Start: 2 @9531 has 204 MA's), (3, 9543), (5, 9582), (6, 9609), (8, 9666), (10, 9711), (12, 9783), (26, 9825), (27, 9828), (28, 9837), (29, 9843), (33, 9906), (34, 9921), (43, 10038), (47, 10071), (51, 10113), (54, 10158), (56, 10176), (58, 10188), (62, 10260), (65, 10293), (66, 10296), (70, 10335), (73, 10377), (75, 10407), (77, 10413), (79, 10443), (81, 10479), (82, 10488), (83, 10500), (90, 10596), (92, 10617), (96, 10692), (97, 10713), (98, 10722), (101, 10755), (102, 10758), (103, 10770), (109, 10824), (112, 10836), (120, 10890), (121, 10899), (130, 10929), (137, 11019), (151, 11163), (154, 11223), (156, 11235), (160, 11304), (163, 11328), (164, 11364), (165, 11379), (166, 11382), (167, 11400), (168, 11421), (169, 11439), (173, 11511), (175, 11565), (176, 11601), (177, 11607), (178, 11640), (180, 11673), (182, 11694), (184, 11724), (186, 11757), (187, 11781), (188, 11784), (189, 11793), (191, 11838), (192, 11841), (195, 11865), (198, 11937), (199, 11943), (214, 12042), (216, 12063), (232, 12141), (235, 12159), (238, 12192), (239, 12213), (250, 12315), (255, 12339), (270, 12387), (277, 12417), (281, 12438), (286, 12504), (291, 12612), (293, 12636), (294, 12642), (296, 12657), (299, 12672), (300, 12708), (302, 12771), (303, 12774), (305, 12807), (306, 12846), (307, 12867), (313, 13047),

Gene: Emmaloid_15 Start: 9341, Stop: 12829, Start Num: 2
Candidate Starts for Emmaloid_15:
(Start: 2 @9341 has 204 MA's), (5, 9392), (6, 9419), (8, 9476), (10, 9521), (12, 9593), (28, 9647), (29, 9653), (33, 9716), (34, 9731), (43, 9848), (47, 9881), (49, 9899), (51, 9923), (54, 9968), (56, 9986), (58, 9998), (61, 10055), (62, 10070), (63, 10088), (65, 10103), (66, 10106), (70, 10145), (73, 10187), (75, 10217), (77, 10223), (79, 10253), (81, 10289), (82, 10298), (83, 10310), (85, 10343), (86, 10358), (87, 10385), (90, 10406), (91, 10418), (92, 10427), (94, 10469), (96, 10502), (99, 10544), (100, 10556), (104, 10601), (106, 10613), (116, 10664), (117, 10673), (125, 10706), (126, 10709), (128, 10715), (132, 10727), (136, 10790), (139, 10838), (145, 10901), (146, 10904), (148, 10913), (160, 11078), (161, 11087), (164, 11138), (165, 11153), (166, 11156), (167, 11174), (168, 11195), (169, 11213), (173, 11285), (175, 11339), (176, 11375), (177, 11381), (178, 11414), (180, 11447), (184, 11498), (186, 11531), (187, 11555), (188, 11558), (189, 11567), (191, 11612), (192, 11615), (193, 11621), (195, 11639), (198, 11708), (199, 11714), (214, 11813), (219, 11852), (220, 11855), (227, 11885), (232, 11912), (236, 11939), (239, 11984), (255, 12107), (270, 12155), (277, 12185), (281, 12206), (286, 12272), (291, 12380), (293, 12404), (294, 12410), (296, 12425), (299, 12440), (300, 12476), (302, 12539), (303, 12542), (304, 12554), (305, 12575), (307, 12635), (313, 12815),

Gene: Empress_14 Start: 9508, Stop: 13032, Start Num: 2
Candidate Starts for Empress_14:
(Start: 2 @9508 has 204 MA's), (3, 9520), (5, 9559), (6, 9586), (10, 9688), (11, 9736), (12, 9760), (28, 9814), (29, 9820), (33, 9883), (34, 9898), (43, 10015), (47, 10048), (49, 10066), (51, 10090), (54, 10135), (56, 10153), (62, 10237), (65, 10270), (66, 10273), (70, 10312), (73, 10354), (75, 10384), (77, 10390), (79, 10420), (81, 10456), (82, 10465), (83, 10477), (85, 10510), (87, 10552), (90, 10573), (91, 10585), (92, 10594), (97, 10690), (98, 10699), (101, 10732), (102, 10735), (103, 10747), (106, 10780), (109, 10801), (121, 10876), (122, 10882), (126, 10894), (137, 10996), (142, 11071), (154, 11200), (156, 11212), (160, 11284), (163, 11308), (164, 11344), (165, 11359), (166, 11362), (167, 11380), (168, 11401), (169, 11419), (173, 11491), (175, 11545), (176, 11581), (177, 11587), (178, 11620), (180, 11653), (184, 11704), (186, 11737), (187, 11761), (188, 11764), (189, 11773), (191, 11818), (192, 11821), (195, 11845), (198, 11914), (199, 11920), (216, 12040), (232, 12118), (235, 12136), (238, 12169), (239, 12190), (250, 12292), (255, 12316), (270, 12364), (275, 12394), (278, 12415), (286, 12478), (291, 12586), (293, 12610), (294, 12616), (296, 12631), (297, 12637), (299, 12646), (300, 12682), (302, 12745), (303, 12748), (305, 12781), (306, 12820), (307, 12841), (313, 13018),

Gene: Enby_15 Start: 9344, Stop: 12835, Start Num: 2
Candidate Starts for Enby_15:
(Start: 1 @9323 has 43 MA's), (Start: 2 @9344 has 204 MA's), (3, 9356), (5, 9395), (6, 9422), (10, 9524), (11, 9572), (12, 9596), (26, 9638), (27, 9641), (28, 9650), (29, 9656), (33, 9719), (34, 9734), (43, 9851), (47, 9884), (49, 9902), (51, 9926), (54, 9971), (56, 9989), (58, 10001), (61, 10058), (62, 10073), (63, 10091), (65, 10106), (66, 10109), (70, 10148), (73, 10190), (75, 10220), (77, 10226), (79, 10256), (81, 10292), (82, 10301), (83, 10313), (85, 10346), (87, 10388), (90, 10409), (91, 10421), (92, 10430), (94, 10472), (96, 10505), (99, 10547), (100, 10559), (104, 10604), (106, 10616), (116, 10667), (117, 10676), (126, 10712), (128, 10718), (132, 10730), (136, 10793), (139, 10841), (145, 10904), (146, 10907), (148, 10916), (160, 11081), (164, 11144), (165, 11159), (166, 11162), (167, 11180), (168, 11201), (169, 11219), (173, 11291), (175, 11345), (176, 11381), (177, 11387), (178, 11420), (180, 11453), (184, 11504), (186, 11537), (187, 11561), (188, 11564), (189, 11573), (191, 11618), (192, 11621), (195, 11645), (198, 11714), (199, 11720), (214, 11819), (219, 11858), (220, 11861), (227, 11891), (232, 11918), (236, 11945), (239, 11990), (255, 12113), (270, 12161), (277, 12191), (281, 12212), (286, 12278), (291, 12386), (293, 12410), (294, 12416), (296, 12431), (299, 12446), (300, 12482), (302, 12545), (303, 12548), (304, 12560), (305, 12581), (307, 12641), (313, 12821),

Gene: Enzomatic_15 Start: 9507, Stop: 13034, Start Num: 2
Candidate Starts for Enzomatic_15:
(Start: 2 @9507 has 204 MA's), (3, 9519), (5, 9558), (6, 9585), (8, 9642), (10, 9687), (12, 9759), (28, 9813), (29, 9819), (33, 9882), (34, 9897), (43, 10014), (47, 10047), (51, 10089), (54, 10134), (56, 10152), (58, 10164), (62, 10236), (65, 10269), (66, 10272), (70, 10311), (73, 10353), (75, 10383), (77, 10389), (79, 10419), (81, 10455), (82, 10464), (83, 10476), (90, 10572), (96, 10668), (97, 10689), (98, 10698), (101, 10731), (102, 10734), (103, 10746), (109, 10800), (112, 10812), (120, 10866), (121, 10875), (137, 10995), (151, 11139), (154, 11199), (156, 11211), (160, 11280), (163, 11304), (165, 11358), (166, 11361), (168, 11400), (169, 11418), (173, 11490), (175, 11544), (176, 11580), (177, 11586), (180, 11652), (184, 11703), (186, 11736), (187, 11760), (188, 11763), (189, 11772), (191, 11817), (192, 11820), (193, 11826), (195, 11844), (198, 11913), (199, 11919), (214, 12018), (219, 12057), (220, 12060), (227, 12090), (232, 12117), (236, 12144), (239, 12189), (242, 12201), (250, 12288), (255, 12312), (270, 12360), (277, 12390), (281, 12411), (286, 12477), (291, 12585), (293, 12609), (294, 12615), (296, 12630), (299, 12645), (300, 12681), (302, 12744), (303, 12747), (305, 12780), (307, 12840), (313, 13020),

Gene: Eradicator_14 Start: 9487, Stop: 12975, Start Num: 2
Candidate Starts for Eradicator_14:
(Start: 1 @9466 has 43 MA's), (Start: 2 @9487 has 204 MA's), (3, 9499), (5, 9538), (6, 9565), (10, 9667), (11, 9715), (12, 9739), (26, 9781), (27, 9784), (28, 9793), (29, 9799), (33, 9862), (34, 9877), (43, 9994), (47, 10027), (49, 10045), (51, 10069), (54, 10114), (56, 10132), (58, 10144), (61, 10201), (62, 10216), (63, 10234), (65, 10249), (66, 10252), (70, 10291), (73, 10333), (75, 10363), (77, 10369), (79, 10399), (81, 10435), (82, 10444), (83, 10456), (85, 10489), (86, 10504), (87, 10531), (90, 10552), (92, 10573), (94, 10615), (96, 10648), (99, 10690), (100, 10702), (104, 10747), (106, 10759), (116, 10810), (117, 10819), (126, 10855), (128, 10861), (132, 10873), (136, 10936), (139, 10984), (145, 11047), (146, 11050), (148, 11059), (160, 11224), (164, 11287), (165, 11302), (166, 11305), (167, 11323), (168, 11344), (169, 11362), (173, 11434), (175, 11488), (176, 11524), (177, 11530), (178, 11563), (180, 11596), (184, 11647), (186, 11680), (187, 11704), (188, 11707), (189, 11716), (191, 11761), (192, 11764), (193, 11770), (195, 11788), (198, 11857), (199, 11863), (214, 11962), (219, 12001), (220, 12004), (227, 12034), (236, 12088), (239, 12133), (255, 12256), (270, 12304), (277, 12334), (281, 12355), (286, 12421), (291, 12529), (293, 12553), (294, 12559), (296, 12574), (299, 12589), (300, 12625), (302, 12688), (303, 12691), (304, 12703), (305, 12724), (306, 12763), (307, 12784), (313, 12961),

Gene: Estave1_14 Start: 9502, Stop: 13137, Start Num: 2
Candidate Starts for Estave1_14:

(Start: 1 @9481 has 43 MA's), (Start: 2 @9502 has 204 MA's), (3, 9514), (5, 9553), (6, 9580), (10, 9682), (12, 9754), (26, 9796), (28, 9808), (29, 9814), (33, 9877), (34, 9892), (43, 10009), (47, 10042), (49, 10060), (51, 10084), (54, 10129), (56, 10147), (58, 10159), (61, 10216), (62, 10231), (63, 10249), (65, 10264), (66, 10267), (70, 10306), (73, 10348), (75, 10378), (77, 10384), (79, 10414), (81, 10450), (82, 10459), (83, 10471), (85, 10504), (86, 10519), (87, 10546), (90, 10567), (91, 10579), (92, 10588), (97, 10684), (98, 10693), (101, 10726), (102, 10729), (103, 10741), (106, 10774), (109, 10795), (112, 10807), (121, 10870), (122, 10876), (126, 10888), (137, 10990), (154, 11194), (156, 11206), (160, 11272), (161, 11281), (164, 11335), (165, 11350), (166, 11353), (167, 11371), (168, 11392), (169, 11410), (173, 11482), (175, 11536), (176, 11572), (177, 11578), (178, 11611), (180, 11644), (182, 11665), (184, 11695), (186, 11728), (187, 11752), (188, 11755), (189, 11764), (191, 11809), (192, 11812), (195, 11836), (198, 11905), (199, 11911), (207, 11977), (208, 11980), (211, 12001), (222, 12070), (229, 12103), (234, 12130), (240, 12190), (241, 12193), (245, 12235), (252, 12298), (254, 12304), (255, 12313), (263, 12367), (265, 12373), (267, 12379), (269, 12415), (276, 12475), (281, 12517), (286, 12583), (291, 12691), (293, 12715), (294, 12721), (296, 12736), (297, 12742), (299, 12751), (300, 12787), (302, 12850), (303, 12853), (305, 12886), (306, 12925), (307, 12946), (313, 13123),

Gene: Fancypants_14 Start: 9493, Stop: 13020, Start Num: 2
Candidate Starts for Fancypants_14:
(Start: 1 @9472 has 43 MA's), (Start: 2 @9493 has 204 MA's), (3, 9505), (5, 9544), (6, 9571), (10, 9673), (11, 9721), (12, 9745), (28, 9799), (29, 9805), (33, 9868), (34, 9883), (43, 10000), (47, 10033), (51, 10075), (54, 10120), (56, 10138), (58, 10150), (62, 10222), (65, 10255), (66, 10258), (70, 10297), (73, 10339), (75, 10369), (77, 10375), (79, 10405), (81, 10441), (82, 10450), (83, 10462), (87, 10537), (90, 10558), (91, 10570), (92, 10579), (97, 10675), (98, 10684), (102, 10720), (103, 10732), (109, 10786), (112, 10798), (120, 10852), (121, 10861), (137, 10981), (142, 11056), (154, 11185), (156, 11197), (160, 11269), (163, 11293), (164, 11329), (165, 11344), (166, 11347), (167, 11365), (168, 11386), (169, 11404), (173, 11476), (175, 11530), (176, 11566), (177, 11572), (178, 11605), (180, 11638), (182, 11659), (184, 11689), (186, 11722), (187, 11746), (188, 11749), (189, 11758), (191, 11803), (192, 11806), (193, 11812), (195, 11830), (198, 11899), (199, 11905), (214, 12004), (219, 12043), (220, 12046), (227, 12076), (232, 12103), (236, 12130), (239, 12175), (255, 12298), (270, 12346), (277, 12376), (281, 12397), (286, 12463), (291, 12571), (293, 12595), (294, 12601), (296, 12616), (299, 12631), (300, 12667), (302, 12730), (303, 12733), (304, 12745), (305, 12766), (307, 12826), (313, 13006),

Gene: Fastidio_14 Start: 9500, Stop: 12991, Start Num: 2
Candidate Starts for Fastidio_14:
(Start: 1 @9479 has 43 MA's), (Start: 2 @9500 has 204 MA's), (3, 9512), (5, 9551), (6, 9578), (8, 9635), (10, 9680), (12, 9752), (28, 9806), (29, 9812), (32, 9836), (33, 9875), (34, 9890), (43, 10007), (47, 10040), (51, 10082), (54, 10127), (56, 10145), (58, 10157), (62, 10229), (65, 10262), (66, 10265), (70, 10304), (73, 10346), (75, 10376), (77, 10382), (79, 10412), (81, 10448), (82, 10457), (83, 10469), (90, 10565), (94, 10628), (96, 10661), (99, 10703), (100, 10715), (104, 10760), (106, 10772), (116, 10823), (117, 10832), (125, 10865), (126, 10868), (128, 10874), (132, 10886), (136, 10949), (139, 10997), (145, 11060), (146, 11063), (148, 11072), (160, 11237), (161, 11246), (164, 11297), (165, 11312), (166, 11315), (167, 11333), (168, 11354), (169, 11372), (173, 11444), (175, 11498), (176, 11534), (177, 11540), (178, 11573), (180, 11606), (184, 11657), (186, 11690), (187, 11714), (188, 11717), (189, 11726), (191, 11771), (192, 11774), (193, 11780), (195, 11798), (198, 11867), (199, 11873), (214, 11972), (232, 12071), (235, 12089), (239, 12143), (250, 12245), (255, 12269), (270, 12317), (277, 12347), (281, 12368), (286, 12434), (291, 12542), (293, 12566), (294, 12572), (296, 12587), (299, 12602), (300, 12638), (302, 12701), (303, 12704), (304, 12716), (305, 12737), (307, 12797), (313, 12977),

Gene: Filuzino_14 Start: 9533, Stop: 13018, Start Num: 2
Candidate Starts for Filuzino_14:

(Start: 2 @9533 has 204 MA's), (3, 9545), (5, 9584), (6, 9611), (8, 9668), (10, 9713), (12, 9785), (26, 9827), (27, 9830), (28, 9839), (29, 9845), (33, 9908), (34, 9923), (43, 10040), (47, 10073), (51, 10115), (54, 10160), (56, 10178), (58, 10190), (62, 10262), (65, 10295), (66, 10298), (70, 10337), (73, 10379), (75, 10409), (77, 10415), (79, 10445), (81, 10481), (82, 10490), (83, 10502), (90, 10598), (94, 10661), (99, 10736), (104, 10793), (106, 10805), (112, 10826), (116, 10856), (125, 10898), (126, 10901), (128, 10907), (132, 10919), (146, 11096), (148, 11105), (158, 11252), (160, 11267), (163, 11291), (165, 11342), (166, 11345), (167, 11363), (168, 11384), (169, 11402), (173, 11474), (175, 11528), (176, 11564), (177, 11570), (180, 11636), (184, 11687), (186, 11720), (187, 11744), (188, 11747), (189, 11756), (191, 11801), (192, 11804), (193, 11810), (195, 11828), (198, 11897), (199, 11903), (214, 12002), (219, 12041), (220, 12044), (227, 12074), (232, 12101), (236, 12128), (239, 12173), (255, 12296), (270, 12344), (277, 12374), (281, 12395), (286, 12461), (291, 12569), (293, 12593), (294, 12599), (296, 12614), (299, 12629), (300, 12665), (302, 12728), (303, 12731), (304, 12743), (305, 12764), (307, 12824), (313, 13004),

Gene: Firehouse51_15 Start: 10071, Stop: 13598, Start Num: 2
Candidate Starts for Firehouse51_15:
(Start: 2 @10071 has 204 MA's), (5, 10122), (6, 10149), (8, 10206), (10, 10251), (12, 10323), (28, 10377), (29, 10383), (32, 10407), (33, 10446), (34, 10461), (43, 10578), (47, 10611), (51, 10653), (54, 10698), (56, 10716), (58, 10728), (62, 10800), (65, 10833), (66, 10836), (70, 10875), (73, 10917), (75, 10947), (77, 10953), (79, 10983), (81, 11019), (82, 11028), (83, 11040), (90, 11136), (96, 11232), (98, 11262), (101, 11295), (102, 11298), (103, 11310), (109, 11364), (112, 11376), (120, 11430), (121, 11439), (137, 11559), (151, 11703), (154, 11763), (156, 11775), (160, 11844), (163, 11868), (164, 11904), (165, 11919), (166, 11922), (167, 11940), (168, 11961), (169, 11979), (173, 12051), (175, 12105), (176, 12141), (177, 12147), (180, 12213), (184, 12264), (186, 12297), (187, 12321), (188, 12324), (189, 12333), (191, 12378), (192, 12381), (193, 12387), (195, 12405), (198, 12474), (199, 12480), (214, 12579), (232, 12678), (235, 12696), (239, 12750), (250, 12852), (255, 12876), (270, 12924), (277, 12954), (281, 12975), (286, 13041), (291, 13149), (293, 13173), (294, 13179), (296, 13194), (299, 13209), (300, 13245), (302, 13308), (303, 13311), (304, 13323), (305, 13344), (307, 13404), (313, 13584),

Gene: Flathead_15 Start: 9363, Stop: 12893, Start Num: 2
Candidate Starts for Flathead_15:
(Start: 1 @9342 has 43 MA's), (Start: 2 @9363 has 204 MA's), (3, 9375), (5, 9414), (6, 9441), (8, 9498), (10, 9543), (12, 9615), (26, 9657), (27, 9660), (28, 9669), (29, 9675), (32, 9699), (33, 9738), (34, 9753), (43, 9870), (47, 9903), (51, 9945), (54, 9990), (56, 10008), (58, 10020), (62, 10092), (65, 10125), (66, 10128), (70, 10167), (73, 10209), (75, 10239), (77, 10245), (79, 10275), (81, 10311), (82, 10320), (83, 10332), (90, 10428), (96, 10524), (98, 10554), (101, 10587), (102, 10590), (103, 10602), (109, 10656), (112, 10668), (120, 10722), (121, 10731), (137, 10851), (151, 10995), (154, 11055), (156, 11067), (160, 11136), (163, 11160), (165, 11214), (166, 11217), (167, 11235), (168, 11256), (169, 11274), (173, 11346), (175, 11400), (176, 11436), (177, 11442), (180, 11508), (184, 11559), (186, 11592), (187, 11616), (188, 11619), (189, 11628), (191, 11673), (192, 11676), (193, 11682), (195, 11700), (198, 11769), (199, 11775), (214, 11874), (232, 11973), (235, 11991), (239, 12045), (250, 12147), (255, 12171), (270, 12219), (277, 12249), (281, 12270), (286, 12336), (291, 12444), (293, 12468), (294, 12474), (296, 12489), (299, 12504), (300, 12540), (302, 12603), (303, 12606), (304, 12618), (305, 12639), (307, 12699), (313, 12879),

Gene: Florinda_14 Start: 9513, Stop: 13037, Start Num: 2
Candidate Starts for Florinda_14:
(Start: 1 @9492 has 43 MA's), (Start: 2 @9513 has 204 MA's), (3, 9525), (5, 9564), (6, 9591), (10, 9693), (12, 9765), (26, 9807), (28, 9819), (29, 9825), (33, 9888), (34, 9903), (43, 10020), (47, 10053), (49, 10071), (51, 10095), (54, 10140), (56, 10158), (58, 10170), (62, 10242), (65, 10275), (66, 10278), (70, 10317), (73, 10359), (75, 10389), (77, 10395), (79, 10425), (81, 10461), (82, 10470), (83, 10482), (90, 10578), (96, 10674), (98, 10704), (101, 10737), (102, 10740), (103, 10752), (106, 10785), (109,

10806), (121, 10881), (130, 10911), (137, 11001), (151, 11145), (154, 11205), (156, 11217), (160, 11286), (161, 11295), (164, 11346), (165, 11361), (166, 11364), (167, 11382), (168, 11403), (169, 11421), (173, 11493), (175, 11547), (176, 11583), (177, 11589), (180, 11655), (184, 11706), (186, 11739), (187, 11763), (188, 11766), (189, 11775), (191, 11820), (192, 11823), (195, 11847), (198, 11916), (199, 11922), (214, 12021), (219, 12060), (220, 12063), (227, 12093), (236, 12147), (239, 12192), (255, 12315), (270, 12363), (277, 12393), (281, 12414), (282, 12429), (286, 12480), (291, 12588), (293, 12612), (294, 12618), (296, 12633), (299, 12648), (300, 12684), (302, 12747), (303, 12750), (305, 12783), (307, 12843), (313, 13023),

Gene: Frankie_15 Start: 9542, Stop: 13117, Start Num: 2
Candidate Starts for Frankie_15:
(Start: 1 @9521 has 43 MA's), (Start: 2 @9542 has 204 MA's), (3, 9554), (5, 9593), (6, 9620), (10, 9722), (12, 9794), (26, 9836), (28, 9848), (30, 9857), (33, 9917), (34, 9932), (43, 10049), (47, 10082), (49, 10100), (51, 10124), (54, 10169), (56, 10187), (58, 10199), (62, 10271), (63, 10289), (65, 10304), (66, 10307), (70, 10346), (73, 10388), (75, 10418), (77, 10424), (79, 10454), (81, 10490), (82, 10499), (83, 10511), (85, 10544), (86, 10559), (87, 10586), (90, 10607), (92, 10628), (99, 10745), (101, 10766), (105, 10805), (112, 10847), (119, 10892), (127, 10922), (134, 10976), (138, 11030), (139, 11054), (141, 11081), (153, 11147), (160, 11258), (161, 11267), (164, 11315), (168, 11372), (169, 11390), (175, 11516), (176, 11552), (177, 11558), (180, 11624), (184, 11675), (186, 11708), (187, 11732), (188, 11735), (189, 11744), (191, 11789), (192, 11792), (195, 11816), (198, 11885), (199, 11891), (207, 11957), (208, 11960), (209, 11963), (211, 11981), (222, 12050), (229, 12083), (231, 12092), (241, 12173), (247, 12224), (252, 12278), (255, 12293), (263, 12347), (265, 12353), (267, 12359), (269, 12395), (279, 12479), (281, 12497), (286, 12563), (291, 12671), (293, 12695), (294, 12701), (296, 12716), (299, 12731), (300, 12767), (302, 12830), (303, 12833), (307, 12926), (313, 13103),

Gene: FreddyB_14 Start: 9471, Stop: 13019, Start Num: 1
Candidate Starts for FreddyB_14:
(Start: 1 @9471 has 43 MA's), (Start: 2 @9492 has 204 MA's), (3, 9504), (5, 9543), (6, 9570), (10, 9672), (11, 9720), (12, 9744), (26, 9786), (27, 9789), (28, 9798), (29, 9804), (33, 9867), (34, 9882), (43, 9999), (47, 10032), (49, 10050), (51, 10074), (54, 10119), (56, 10137), (58, 10149), (62, 10221), (65, 10254), (66, 10257), (70, 10296), (73, 10338), (75, 10368), (77, 10374), (79, 10404), (81, 10440), (82, 10449), (83, 10461), (85, 10494), (86, 10509), (90, 10557), (91, 10569), (97, 10674), (98, 10683), (102, 10719), (103, 10731), (106, 10764), (109, 10785), (121, 10860), (126, 10878), (137, 10980), (142, 11055), (154, 11184), (156, 11196), (160, 11265), (164, 11328), (165, 11343), (166, 11346), (167, 11364), (168, 11385), (169, 11403), (173, 11475), (175, 11529), (176, 11565), (177, 11571), (178, 11604), (180, 11637), (184, 11688), (186, 11721), (187, 11745), (188, 11748), (189, 11757), (191, 11802), (192, 11805), (193, 11811), (195, 11829), (198, 11898), (199, 11904), (214, 12003), (219, 12042), (220, 12045), (227, 12075), (236, 12129), (239, 12174), (255, 12297), (270, 12345), (277, 12375), (281, 12396), (286, 12462), (291, 12570), (293, 12594), (294, 12600), (296, 12615), (299, 12630), (300, 12666), (302, 12729), (303, 12732), (304, 12744), (305, 12765), (306, 12804), (307, 12825), (313, 13005),

Gene: Fruitloop_14 Start: 9533, Stop: 13057, Start Num: 2
Candidate Starts for Fruitloop_14:
(Start: 2 @9533 has 204 MA's), (3, 9545), (5, 9584), (6, 9611), (8, 9668), (10, 9713), (12, 9785), (26, 9827), (27, 9830), (28, 9839), (29, 9845), (33, 9908), (34, 9923), (43, 10040), (47, 10073), (51, 10115), (54, 10160), (56, 10178), (58, 10190), (62, 10262), (65, 10295), (66, 10298), (70, 10337), (73, 10379), (75, 10409), (77, 10415), (79, 10445), (81, 10481), (82, 10490), (83, 10502), (90, 10598), (96, 10694), (98, 10724), (101, 10757), (102, 10760), (103, 10772), (109, 10826), (112, 10838), (120, 10892), (121, 10901), (137, 11021), (151, 11165), (154, 11225), (156, 11237), (160, 11306), (163, 11330), (165, 11381), (166, 11384), (168, 11423), (169, 11441), (175, 11567), (176, 11603), (177, 11609), (180, 11675), (184, 11726), (186, 11759), (187, 11783), (188, 11786), (189, 11795), (191, 11840), (192, 11843), (193, 11849), (195, 11867), (198, 11936), (199, 11942), (214, 12041), (219, 12080), (220,

12083), (227, 12113), (232, 12140), (236, 12167), (239, 12212), (255, 12335), (270, 12383), (277, 12413), (281, 12434), (286, 12500), (291, 12608), (293, 12632), (294, 12638), (296, 12653), (299, 12668), (300, 12704), (302, 12767), (303, 12770), (304, 12782), (305, 12803), (307, 12863), (313, 13043),

Gene: GUmbie_14 Start: 9527, Stop: 13012, Start Num: 2
Candidate Starts for GUmbie_14:
(Start: 2 @9527 has 204 MA's), (3, 9539), (5, 9578), (6, 9605), (8, 9662), (10, 9707), (12, 9779), (26, 9821), (27, 9824), (28, 9833), (29, 9839), (33, 9902), (34, 9917), (43, 10034), (47, 10067), (51, 10109), (54, 10154), (56, 10172), (58, 10184), (62, 10256), (65, 10289), (66, 10292), (70, 10331), (73, 10373), (75, 10403), (77, 10409), (79, 10439), (81, 10475), (82, 10484), (83, 10496), (90, 10592), (94, 10655), (99, 10730), (104, 10787), (106, 10799), (112, 10820), (116, 10850), (125, 10892), (126, 10895), (128, 10901), (132, 10913), (148, 11099), (158, 11246), (160, 11261), (163, 11285), (165, 11339), (166, 11342), (168, 11381), (169, 11399), (173, 11471), (175, 11525), (176, 11561), (177, 11567), (180, 11633), (184, 11684), (186, 11717), (187, 11741), (188, 11744), (189, 11753), (191, 11798), (192, 11801), (193, 11807), (195, 11825), (198, 11894), (199, 11900), (214, 11999), (219, 12038), (220, 12041), (227, 12071), (232, 12098), (236, 12125), (239, 12170), (255, 12293), (270, 12341), (277, 12371), (281, 12392), (286, 12458), (291, 12566), (293, 12590), (294, 12596), (296, 12611), (299, 12626), (300, 12662), (302, 12725), (303, 12728), (305, 12761), (306, 12800), (307, 12821), (313, 12998),

Gene: Galactic_14 Start: 9507, Stop: 13034, Start Num: 2
Candidate Starts for Galactic_14:
(Start: 2 @9507 has 204 MA's), (3, 9519), (5, 9558), (6, 9585), (8, 9642), (10, 9687), (12, 9759), (26, 9801), (27, 9804), (28, 9813), (29, 9819), (32, 9843), (33, 9882), (34, 9897), (43, 10014), (47, 10047), (51, 10089), (54, 10134), (56, 10152), (58, 10164), (62, 10236), (65, 10269), (66, 10272), (70, 10311), (73, 10353), (75, 10383), (77, 10389), (79, 10419), (81, 10455), (82, 10464), (83, 10476), (90, 10572), (96, 10668), (98, 10698), (101, 10731), (102, 10734), (103, 10746), (109, 10800), (112, 10812), (120, 10866), (121, 10875), (137, 10995), (151, 11139), (154, 11199), (156, 11211), (160, 11280), (163, 11304), (164, 11343), (165, 11358), (166, 11361), (168, 11400), (169, 11418), (173, 11490), (175, 11544), (176, 11580), (177, 11586), (180, 11652), (184, 11703), (186, 11736), (187, 11760), (188, 11763), (189, 11772), (191, 11817), (192, 11820), (193, 11826), (195, 11844), (198, 11913), (199, 11919), (214, 12018), (219, 12057), (220, 12060), (227, 12090), (236, 12144), (239, 12189), (255, 12312), (270, 12360), (277, 12390), (281, 12411), (286, 12477), (291, 12585), (293, 12609), (294, 12615), (296, 12630), (299, 12645), (300, 12681), (302, 12744), (303, 12747), (304, 12759), (305, 12780), (307, 12840), (313, 13020),

Gene: Gandalph_14 Start: 9504, Stop: 13028, Start Num: 2
Candidate Starts for Gandalph_14:
(Start: 1 @9483 has 43 MA's), (Start: 2 @9504 has 204 MA's), (3, 9516), (5, 9555), (6, 9582), (10, 9684), (11, 9732), (12, 9756), (28, 9810), (29, 9816), (33, 9879), (34, 9894), (43, 10011), (47, 10044), (51, 10086), (54, 10131), (56, 10149), (58, 10161), (62, 10233), (65, 10266), (66, 10269), (70, 10308), (73, 10350), (75, 10380), (77, 10386), (79, 10416), (81, 10452), (82, 10461), (83, 10473), (90, 10569), (96, 10665), (98, 10695), (101, 10728), (102, 10731), (103, 10743), (109, 10797), (112, 10809), (120, 10863), (121, 10872), (137, 10992), (151, 11136), (154, 11196), (156, 11208), (160, 11277), (163, 11301), (165, 11355), (166, 11358), (167, 11376), (168, 11397), (169, 11415), (173, 11487), (175, 11541), (176, 11577), (177, 11583), (180, 11649), (184, 11700), (186, 11733), (187, 11757), (188, 11760), (189, 11769), (191, 11814), (192, 11817), (195, 11841), (198, 11910), (199, 11916), (214, 12015), (219, 12054), (220, 12057), (227, 12087), (232, 12114), (236, 12141), (239, 12186), (255, 12309), (270, 12354), (277, 12384), (281, 12405), (286, 12471), (291, 12579), (293, 12603), (294, 12609), (296, 12624), (299, 12639), (300, 12675), (302, 12738), (303, 12741), (304, 12753), (305, 12774), (307, 12834), (313, 13014),

Gene: Geralt_14 Start: 9465, Stop: 13010, Start Num: 1
Candidate Starts for Geralt_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (26, 9780), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (90, 10551), (92, 10572), (97, 10668), (98, 10677), (102, 10713), (103, 10725), (106, 10758), (109, 10779), (120, 10845), (121, 10854), (126, 10872), (137, 10974), (142, 11049), (151, 11118), (154, 11178), (156, 11190), (160, 11259), (161, 11268), (164, 11322), (165, 11337), (166, 11340), (167, 11358), (168, 11379), (169, 11397), (173, 11469), (175, 11523), (176, 11559), (177, 11565), (178, 11598), (180, 11631), (184, 11682), (186, 11715), (187, 11739), (188, 11742), (189, 11751), (191, 11796), (192, 11799), (193, 11805), (195, 11823), (198, 11892), (199, 11898), (214, 11997), (219, 12036), (220, 12039), (227, 12069), (236, 12123), (239, 12168), (255, 12291), (270, 12339), (277, 12369), (281, 12390), (286, 12456), (291, 12564), (293, 12588), (294, 12594), (296, 12609), (297, 12615), (299, 12624), (300, 12660), (302, 12723), (303, 12726), (305, 12759), (306, 12798), (307, 12819), (313, 12996),

Gene: GigiOuiOui_14 Start: 9504, Stop: 13136, Start Num: 2
Candidate Starts for GigiOuiOui_14:
(Start: 2 @9504 has 204 MA's), (3, 9516), (5, 9555), (6, 9582), (8, 9639), (10, 9684), (12, 9756), (28, 9810), (29, 9816), (33, 9879), (34, 9894), (43, 10011), (47, 10044), (51, 10086), (54, 10131), (56, 10149), (58, 10161), (62, 10233), (65, 10266), (66, 10269), (70, 10308), (73, 10350), (75, 10380), (77, 10386), (79, 10416), (81, 10452), (83, 10473), (90, 10569), (94, 10632), (96, 10665), (99, 10707), (100, 10719), (104, 10764), (106, 10776), (116, 10827), (117, 10836), (125, 10869), (126, 10872), (128, 10878), (132, 10890), (136, 10953), (139, 11001), (145, 11064), (146, 11067), (148, 11076), (160, 11241), (161, 11250), (164, 11301), (165, 11316), (166, 11319), (167, 11337), (168, 11358), (169, 11376), (173, 11448), (175, 11502), (176, 11538), (177, 11544), (178, 11577), (180, 11610), (184, 11661), (186, 11694), (187, 11718), (188, 11721), (189, 11730), (191, 11775), (192, 11778), (195, 11802), (198, 11871), (199, 11877), (227, 12048), (236, 12102), (239, 12147), (257, 12306), (259, 12345), (265, 12369), (267, 12375), (268, 12381), (271, 12417), (286, 12582), (291, 12690), (293, 12714), (294, 12720), (296, 12735), (297, 12741), (299, 12750), (300, 12786), (302, 12849), (303, 12852), (305, 12885), (306, 12924), (307, 12945), (313, 13122),

Gene: Girafales_15 Start: 9357, Stop: 12845, Start Num: 2
Candidate Starts for Girafales_15:
(Start: 1 @9336 has 43 MA's), (Start: 2 @9357 has 204 MA's), (3, 9369), (5, 9408), (6, 9435), (8, 9492), (10, 9537), (12, 9609), (28, 9663), (29, 9669), (32, 9693), (33, 9732), (34, 9747), (43, 9864), (47, 9897), (51, 9939), (54, 9984), (56, 10002), (58, 10014), (62, 10086), (65, 10119), (66, 10122), (70, 10161), (73, 10203), (75, 10233), (77, 10239), (79, 10269), (81, 10305), (82, 10314), (83, 10326), (85, 10359), (86, 10374), (90, 10422), (92, 10443), (94, 10485), (96, 10518), (99, 10560), (100, 10572), (104, 10617), (106, 10629), (116, 10680), (117, 10689), (125, 10722), (126, 10725), (128, 10731), (132, 10743), (136, 10806), (145, 10917), (146, 10920), (148, 10929), (161, 11103), (164, 11154), (165, 11169), (166, 11172), (167, 11190), (168, 11211), (169, 11229), (173, 11301), (175, 11355), (176, 11391), (177, 11397), (180, 11463), (184, 11514), (186, 11547), (187, 11571), (188, 11574), (189, 11583), (191, 11628), (192, 11631), (195, 11655), (198, 11724), (199, 11730), (214, 11829), (219, 11868), (220, 11871), (227, 11901), (236, 11955), (239, 12000), (255, 12123), (270, 12171), (277, 12201), (281, 12222), (282, 12237), (286, 12288), (291, 12396), (293, 12420), (294, 12426), (296, 12441), (299, 12456), (300, 12492), (302, 12555), (303, 12558), (305, 12591), (307, 12651), (313, 12831),

Gene: Girr_14 Start: 9496, Stop: 12981, Start Num: 2
Candidate Starts for Girr_14:

(Start: 1 @9475 has 43 MA's), (Start: 2 @9496 has 204 MA's), (3, 9508), (5, 9547), (6, 9574), (8, 9631), (10, 9676), (11, 9724), (12, 9748), (28, 9802), (29, 9808), (33, 9871), (34, 9886), (43, 10003), (47, 10036), (51, 10078), (54, 10123), (56, 10141), (58, 10153), (62, 10225), (65, 10258), (66, 10261), (70, 10300), (73, 10342), (75, 10372), (77, 10378), (79, 10408), (81, 10444), (82, 10453), (83, 10465), (90, 10561), (94, 10624), (99, 10699), (104, 10756), (106, 10768), (112, 10789), (116, 10819), (125, 10861), (126, 10864), (128, 10870), (132, 10882), (148, 11068), (158, 11215), (160, 11230), (163, 11254), (165, 11308), (166, 11311), (168, 11350), (169, 11368), (173, 11440), (175, 11494), (176, 11530), (177, 11536), (180, 11602), (184, 11653), (186, 11686), (187, 11710), (188, 11713), (189, 11722), (191, 11767), (192, 11770), (193, 11776), (195, 11794), (198, 11863), (199, 11869), (214, 11968), (219, 12007), (220, 12010), (227, 12040), (232, 12067), (236, 12094), (239, 12139), (255, 12262), (270, 12310), (277, 12340), (281, 12361), (286, 12427), (291, 12535), (293, 12559), (294, 12565), (296, 12580), (299, 12595), (300, 12631), (302, 12694), (303, 12697), (305, 12730), (306, 12769), (307, 12790), (313, 12967),

Gene: Gorge_14 Start: 9475, Stop: 12996, Start Num: 2
Candidate Starts for Gorge_14:
(Start: 1 @9454 has 43 MA's), (Start: 2 @9475 has 204 MA's), (3, 9487), (5, 9526), (6, 9553), (8, 9610), (10, 9655), (12, 9727), (29, 9787), (33, 9850), (34, 9865), (43, 9982), (47, 10015), (49, 10033), (51, 10057), (54, 10102), (56, 10120), (58, 10132), (62, 10204), (65, 10237), (66, 10240), (70, 10279), (73, 10321), (75, 10351), (77, 10357), (79, 10387), (81, 10423), (82, 10432), (83, 10444), (85, 10477), (86, 10492), (87, 10519), (90, 10540), (91, 10552), (92, 10561), (97, 10657), (98, 10666), (101, 10699), (102, 10702), (103, 10714), (106, 10747), (109, 10768), (121, 10843), (122, 10849), (126, 10861), (137, 10963), (142, 11038), (154, 11167), (156, 11179), (160, 11245), (164, 11305), (165, 11320), (166, 11323), (167, 11341), (168, 11362), (169, 11380), (173, 11452), (175, 11506), (176, 11542), (177, 11548), (178, 11581), (180, 11614), (184, 11665), (186, 11698), (187, 11722), (188, 11725), (189, 11734), (191, 11779), (192, 11782), (193, 11788), (195, 11806), (198, 11875), (199, 11881), (214, 11980), (219, 12019), (220, 12022), (227, 12052), (232, 12079), (236, 12106), (239, 12151), (255, 12274), (270, 12322), (277, 12352), (281, 12373), (286, 12439), (291, 12547), (293, 12571), (294, 12577), (296, 12592), (299, 12607), (300, 12643), (302, 12706), (303, 12709), (304, 12721), (305, 12742), (307, 12802), (313, 12982),

Gene: Grimmer_15 Start: 10145, Stop: 13672, Start Num: 2
Candidate Starts for Grimmer_15:
(Start: 1 @10124 has 43 MA's), (Start: 2 @10145 has 204 MA's), (3, 10157), (5, 10196), (6, 10223), (10, 10325), (11, 10373), (12, 10397), (28, 10451), (29, 10457), (33, 10520), (34, 10535), (43, 10652), (47, 10685), (49, 10703), (51, 10727), (54, 10772), (56, 10790), (58, 10802), (62, 10874), (65, 10907), (66, 10910), (70, 10949), (73, 10991), (75, 11021), (77, 11027), (79, 11057), (81, 11093), (82, 11102), (83, 11114), (85, 11147), (86, 11162), (90, 11210), (97, 11327), (98, 11336), (102, 11372), (106, 11417), (109, 11438), (121, 11513), (122, 11519), (126, 11531), (137, 11633), (154, 11837), (156, 11849), (160, 11918), (163, 11942), (164, 11978), (165, 11993), (166, 11996), (167, 12014), (168, 12035), (169, 12053), (173, 12125), (175, 12179), (176, 12215), (177, 12221), (178, 12254), (180, 12287), (182, 12308), (184, 12338), (186, 12371), (187, 12395), (188, 12398), (189, 12407), (191, 12452), (192, 12455), (195, 12479), (198, 12551), (199, 12557), (205, 12605), (214, 12656), (219, 12695), (220, 12698), (227, 12728), (232, 12755), (236, 12782), (239, 12827), (242, 12839), (250, 12926), (255, 12950), (270, 12998), (277, 13028), (281, 13049), (286, 13115), (291, 13223), (293, 13247), (294, 13253), (296, 13268), (297, 13274), (299, 13283), (300, 13319), (302, 13382), (303, 13385), (305, 13418), (306, 13457), (307, 13478), (313, 13658),

Gene: Guppsters_14 Start: 9531, Stop: 13169, Start Num: 2
Candidate Starts for Guppsters_14:
(Start: 1 @9510 has 43 MA's), (Start: 2 @9531 has 204 MA's), (3, 9543), (5, 9582), (6, 9609), (10, 9711), (11, 9759), (12, 9783), (28, 9837), (29, 9843), (33, 9906), (34, 9921), (43, 10038), (47, 10071), (49, 10089), (51, 10113), (54, 10158), (56, 10176), (58, 10188), (62, 10260), (65, 10293), (66, 10296),

(70, 10335), (72, 10353), (73, 10377), (75, 10407), (77, 10413), (79, 10443), (81, 10479), (82, 10488), (83, 10500), (85, 10533), (87, 10575), (90, 10596), (91, 10608), (92, 10617), (97, 10713), (98, 10722), (101, 10755), (102, 10758), (103, 10770), (106, 10803), (109, 10824), (121, 10899), (122, 10905), (126, 10917), (137, 11019), (142, 11094), (154, 11223), (156, 11235), (160, 11304), (161, 11313), (164, 11364), (165, 11379), (166, 11382), (167, 11400), (168, 11421), (169, 11439), (173, 11511), (175, 11565), (176, 11601), (177, 11607), (180, 11673), (184, 11724), (186, 11757), (187, 11781), (188, 11784), (189, 11793), (191, 11838), (192, 11841), (195, 11865), (196, 11883), (201, 11958), (204, 11982), (225, 12111), (230, 12132), (248, 12273), (249, 12297), (251, 12315), (253, 12324), (283, 12564), (286, 12615), (291, 12723), (293, 12747), (294, 12753), (296, 12768), (299, 12783), (300, 12819), (302, 12882), (303, 12885), (304, 12897), (305, 12918), (306, 12957), (307, 12978), (313, 13155),

Gene: Hades_14 Start: 9493, Stop: 13020, Start Num: 2
Candidate Starts for Hades_14:
(Start: 1 @9472 has 43 MA's), (Start: 2 @9493 has 204 MA's), (3, 9505), (5, 9544), (6, 9571), (10, 9673), (11, 9721), (12, 9745), (26, 9787), (27, 9790), (28, 9799), (29, 9805), (33, 9868), (34, 9883), (43, 10000), (47, 10033), (51, 10075), (54, 10120), (56, 10138), (58, 10150), (62, 10222), (65, 10255), (66, 10258), (70, 10297), (73, 10339), (75, 10369), (77, 10375), (79, 10405), (81, 10441), (82, 10450), (83, 10462), (85, 10495), (90, 10558), (96, 10654), (98, 10684), (101, 10717), (102, 10720), (103, 10732), (109, 10786), (112, 10798), (120, 10852), (121, 10861), (137, 10981), (151, 11125), (154, 11185), (156, 11197), (160, 11266), (163, 11290), (165, 11344), (166, 11347), (168, 11386), (169, 11404), (173, 11476), (175, 11530), (176, 11566), (177, 11572), (180, 11638), (184, 11689), (186, 11722), (187, 11746), (188, 11749), (189, 11758), (191, 11803), (192, 11806), (193, 11812), (195, 11830), (198, 11899), (199, 11905), (214, 12004), (219, 12043), (220, 12046), (227, 12076), (236, 12130), (239, 12175), (255, 12298), (270, 12346), (277, 12376), (281, 12397), (286, 12463), (291, 12571), (293, 12595), (294, 12601), (296, 12616), (299, 12631), (300, 12667), (302, 12730), (303, 12733), (304, 12745), (305, 12766), (307, 12826), (313, 13006),

Gene: Hamulus_14 Start: 9538, Stop: 13017, Start Num: 2
Candidate Starts for Hamulus_14:
(Start: 2 @9538 has 204 MA's), (3, 9550), (5, 9589), (6, 9616), (8, 9673), (10, 9718), (12, 9790), (28, 9844), (29, 9850), (33, 9913), (34, 9928), (43, 10045), (47, 10078), (51, 10120), (54, 10165), (56, 10183), (58, 10195), (62, 10267), (65, 10300), (66, 10303), (70, 10342), (73, 10384), (75, 10414), (77, 10420), (79, 10450), (81, 10486), (82, 10495), (83, 10507), (90, 10603), (94, 10666), (99, 10741), (104, 10798), (106, 10810), (112, 10831), (116, 10861), (125, 10903), (126, 10906), (128, 10912), (132, 10924), (146, 11101), (148, 11110), (158, 11257), (160, 11272), (163, 11296), (164, 11332), (165, 11347), (166, 11350), (167, 11368), (168, 11389), (169, 11407), (173, 11479), (175, 11533), (176, 11569), (177, 11575), (180, 11641), (184, 11692), (186, 11725), (187, 11749), (188, 11752), (189, 11761), (191, 11806), (192, 11809), (193, 11815), (195, 11833), (198, 11902), (199, 11908), (214, 12007), (232, 12106), (235, 12124), (239, 12178), (242, 12190), (250, 12277), (255, 12301), (270, 12343), (277, 12373), (281, 12394), (286, 12460), (291, 12568), (293, 12592), (294, 12598), (296, 12613), (299, 12628), (300, 12664), (302, 12727), (303, 12730), (304, 12742), (305, 12763), (307, 12823), (313, 13003),

Gene: Harley_14 Start: 9461, Stop: 13003, Start Num: 1
Candidate Starts for Harley_14:
(Start: 1 @9461 has 43 MA's), (Start: 2 @9482 has 204 MA's), (3, 9494), (5, 9533), (6, 9560), (10, 9662), (11, 9710), (12, 9734), (26, 9776), (27, 9779), (28, 9788), (29, 9794), (33, 9857), (34, 9872), (43, 9989), (47, 10022), (49, 10040), (51, 10064), (54, 10109), (56, 10127), (58, 10139), (62, 10211), (65, 10244), (66, 10247), (70, 10286), (73, 10328), (75, 10358), (77, 10364), (79, 10394), (81, 10430), (82, 10439), (83, 10451), (90, 10547), (91, 10559), (97, 10664), (98, 10673), (101, 10706), (102, 10709), (103, 10721), (106, 10754), (109, 10775), (112, 10787), (121, 10850), (126, 10868), (137, 10970), (154, 11174), (156, 11186), (160, 11255), (164, 11315), (165, 11330), (166, 11333), (167, 11351),

(168, 11372), (169, 11390), (173, 11462), (175, 11516), (176, 11552), (177, 11558), (180, 11624), (184, 11675), (186, 11708), (187, 11732), (188, 11735), (189, 11744), (191, 11789), (192, 11792), (193, 11798), (195, 11816), (198, 11885), (199, 11891), (214, 11990), (219, 12029), (220, 12032), (227, 12062), (236, 12116), (239, 12161), (255, 12284), (270, 12332), (277, 12362), (281, 12383), (286, 12449), (291, 12557), (293, 12581), (294, 12587), (296, 12602), (299, 12617), (300, 12653), (302, 12716), (303, 12719), (304, 12731), (305, 12752), (307, 12812), (313, 12989),

Gene: Hegedechwinu_15 Start: 9364, Stop: 12891, Start Num: 2
Candidate Starts for Hegedechwinu_15:
(Start: 2 @9364 has 204 MA's), (3, 9376), (5, 9415), (6, 9442), (8, 9499), (10, 9544), (12, 9616), (28, 9670), (29, 9676), (32, 9700), (33, 9739), (34, 9754), (43, 9871), (47, 9904), (51, 9946), (54, 9991), (56, 10009), (58, 10021), (62, 10093), (65, 10126), (66, 10129), (70, 10168), (73, 10210), (75, 10240), (77, 10246), (79, 10276), (81, 10312), (82, 10321), (83, 10333), (90, 10429), (96, 10525), (97, 10546), (98, 10555), (101, 10588), (102, 10591), (103, 10603), (109, 10657), (112, 10669), (120, 10723), (121, 10732), (137, 10852), (151, 10996), (154, 11056), (156, 11068), (160, 11137), (163, 11161), (165, 11215), (166, 11218), (168, 11257), (169, 11275), (173, 11347), (175, 11401), (176, 11437), (177, 11443), (180, 11509), (184, 11560), (186, 11593), (187, 11617), (188, 11620), (189, 11629), (191, 11674), (192, 11677), (193, 11683), (195, 11701), (198, 11770), (199, 11776), (214, 11875), (219, 11914), (220, 11917), (227, 11947), (232, 11974), (236, 12001), (239, 12046), (242, 12058), (250, 12145), (255, 12169), (270, 12217), (277, 12247), (281, 12268), (286, 12334), (291, 12442), (293, 12466), (294, 12472), (296, 12487), (299, 12502), (300, 12538), (302, 12601), (303, 12604), (305, 12637), (307, 12697), (313, 12877),

Gene: Hlubikazi_14 Start: 9488, Stop: 13123, Start Num: 2
Candidate Starts for Hlubikazi_14:
(Start: 1 @9467 has 43 MA's), (Start: 2 @9488 has 204 MA's), (3, 9500), (5, 9539), (6, 9566), (10, 9668), (12, 9740), (26, 9782), (28, 9794), (29, 9800), (33, 9863), (34, 9878), (43, 9995), (47, 10028), (49, 10046), (51, 10070), (54, 10115), (56, 10133), (58, 10145), (61, 10202), (62, 10217), (63, 10235), (65, 10250), (66, 10253), (70, 10292), (73, 10334), (75, 10364), (77, 10370), (79, 10400), (80, 10424), (81, 10436), (82, 10445), (83, 10457), (85, 10490), (86, 10505), (87, 10532), (90, 10553), (91, 10565), (92, 10574), (97, 10670), (98, 10679), (101, 10712), (102, 10715), (103, 10727), (106, 10760), (109, 10781), (112, 10793), (121, 10856), (122, 10862), (126, 10874), (137, 10976), (154, 11180), (156, 11192), (160, 11258), (161, 11267), (164, 11321), (165, 11336), (166, 11339), (167, 11357), (168, 11378), (169, 11396), (173, 11468), (175, 11522), (176, 11558), (177, 11564), (178, 11597), (180, 11630), (184, 11681), (186, 11714), (187, 11738), (188, 11741), (189, 11750), (191, 11795), (192, 11798), (195, 11822), (198, 11894), (199, 11900), (207, 11966), (208, 11969), (209, 11972), (211, 11990), (213, 12002), (222, 12059), (229, 12092), (234, 12119), (240, 12179), (241, 12182), (245, 12224), (247, 12233), (252, 12287), (254, 12293), (255, 12302), (263, 12356), (265, 12362), (267, 12368), (269, 12404), (281, 12500), (286, 12566), (291, 12674), (293, 12698), (294, 12704), (296, 12719), (299, 12734), (300, 12770), (302, 12833), (303, 12836), (305, 12869), (307, 12929), (313, 13109),

Gene: IMpilo_14 Start: 9517, Stop: 13041, Start Num: 2
Candidate Starts for IMpilo_14:
(Start: 2 @9517 has 204 MA's), (3, 9529), (5, 9568), (6, 9595), (8, 9652), (12, 9769), (26, 9811), (27, 9814), (28, 9823), (29, 9829), (32, 9853), (33, 9892), (34, 9907), (43, 10024), (47, 10057), (51, 10099), (54, 10144), (56, 10162), (58, 10174), (61, 10231), (62, 10246), (65, 10279), (66, 10282), (70, 10321), (73, 10363), (75, 10393), (77, 10399), (79, 10429), (81, 10465), (82, 10474), (83, 10486), (85, 10519), (86, 10534), (87, 10561), (90, 10582), (92, 10603), (97, 10699), (98, 10708), (101, 10741), (102, 10744), (103, 10756), (106, 10789), (109, 10810), (112, 10822), (121, 10885), (137, 11005), (151, 11149), (154, 11209), (156, 11221), (160, 11290), (163, 11314), (165, 11368), (166, 11371), (168, 11410), (169, 11428), (173, 11500), (175, 11554), (176, 11590), (177, 11596), (180, 11662), (184, 11713), (186, 11746), (187, 11770), (188, 11773), (191, 11827), (192, 11830), (193, 11836), (195,

11854), (198, 11923), (199, 11929), (214, 12028), (216, 12049), (232, 12127), (235, 12145), (239, 12199), (242, 12211), (250, 12298), (255, 12322), (270, 12367), (277, 12397), (281, 12418), (286, 12484), (291, 12592), (293, 12616), (294, 12622), (296, 12637), (299, 12652), (300, 12688), (302, 12751), (303, 12754), (304, 12766), (305, 12787), (307, 12847), (313, 13027),

Gene: IbOuu_14 Start: 9486, Stop: 13010, Start Num: 2
Candidate Starts for IbOuu_14:
(Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (26, 9780), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (90, 10551), (96, 10647), (97, 10668), (98, 10677), (101, 10710), (102, 10713), (103, 10725), (109, 10779), (112, 10791), (120, 10845), (121, 10854), (137, 10974), (151, 11118), (154, 11178), (156, 11190), (160, 11259), (163, 11283), (165, 11337), (166, 11340), (167, 11358), (168, 11379), (169, 11397), (173, 11469), (175, 11523), (176, 11559), (177, 11565), (180, 11631), (184, 11682), (186, 11715), (187, 11739), (188, 11742), (189, 11751), (191, 11796), (192, 11799), (193, 11805), (195, 11823), (198, 11892), (199, 11898), (214, 11997), (232, 12096), (235, 12114), (239, 12168), (242, 12180), (250, 12267), (255, 12291), (270, 12339), (277, 12369), (281, 12390), (286, 12456), (291, 12564), (293, 12588), (294, 12594), (296, 12609), (299, 12624), (300, 12660), (302, 12723), (303, 12726), (304, 12738), (305, 12759), (306, 12798), (307, 12819), (313, 12996),

Gene: Ibhubesi_14 Start: 9482, Stop: 13003, Start Num: 2
Candidate Starts for Ibhubesi_14:
(Start: 1 @9461 has 43 MA's), (Start: 2 @9482 has 204 MA's), (3, 9494), (5, 9533), (6, 9560), (10, 9662), (11, 9710), (12, 9734), (26, 9776), (27, 9779), (28, 9788), (29, 9794), (33, 9857), (34, 9872), (43, 9989), (47, 10022), (49, 10040), (51, 10064), (54, 10109), (56, 10127), (58, 10139), (62, 10211), (65, 10244), (66, 10247), (70, 10286), (73, 10328), (75, 10358), (77, 10364), (79, 10394), (81, 10430), (82, 10439), (83, 10451), (90, 10547), (91, 10559), (97, 10664), (98, 10673), (101, 10706), (102, 10709), (103, 10721), (106, 10754), (109, 10775), (112, 10787), (121, 10850), (126, 10868), (137, 10970), (154, 11174), (156, 11186), (160, 11255), (164, 11315), (165, 11330), (166, 11333), (167, 11351), (168, 11372), (169, 11390), (173, 11462), (175, 11516), (176, 11552), (177, 11558), (180, 11624), (184, 11675), (186, 11708), (187, 11732), (188, 11735), (189, 11744), (191, 11789), (192, 11792), (193, 11798), (195, 11816), (198, 11885), (199, 11891), (214, 11990), (219, 12029), (220, 12032), (227, 12062), (236, 12116), (239, 12161), (255, 12284), (270, 12332), (277, 12362), (281, 12383), (286, 12449), (291, 12557), (293, 12581), (294, 12587), (296, 12602), (299, 12617), (300, 12653), (302, 12716), (303, 12719), (304, 12731), (305, 12752), (307, 12812), (313, 12989),

Gene: Inventum_14 Start: 9486, Stop: 13145, Start Num: 2
Candidate Starts for Inventum_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (26, 9780), (27, 9783), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (49, 10044), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (61, 10200), (62, 10215), (63, 10233), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (86, 10503), (87, 10530), (90, 10551), (92, 10572), (94, 10614), (96, 10647), (99, 10689), (100, 10701), (104, 10746), (106, 10758), (116, 10809), (117, 10818), (126, 10854), (128, 10860), (132, 10872), (136, 10935), (139, 10983), (145, 11046), (146, 11049), (148, 11058), (160, 11223), (164, 11286), (165, 11301), (166, 11304), (167, 11322), (168, 11343), (169, 11361), (173, 11433), (175, 11487), (176, 11523), (177, 11529), (178, 11562), (180, 11595), (184, 11646), (186, 11679), (187, 11703), (188, 11706), (189, 11715), (191, 11760), (192, 11763), (195, 11787), (200, 11877), (217, 12024), (221, 12045), (239, 12186), (244, 12210), (246, 12237), (268, 12417), (270, 12447), (287, 12606), (291, 12699), (293, 12723), (294, 12729), (296, 12744), (297, 12750), (299, 12759), (300, 12795), (302, 12858), (303, 12861), (305, 12894), (306, 12933), (307, 12954), (313, 13131),

Gene: IrishSherpFalk_14 Start: 9517, Stop: 13038, Start Num: 2
Candidate Starts for IrishSherpFalk_14:
(Start: 1 @9496 has 43 MA's), (Start: 2 @9517 has 204 MA's), (3, 9529), (5, 9568), (6, 9595), (10, 9697), (11, 9745), (12, 9769), (28, 9823), (29, 9829), (33, 9892), (34, 9907), (43, 10024), (47, 10057), (49, 10075), (51, 10099), (54, 10144), (56, 10162), (58, 10174), (62, 10246), (65, 10279), (66, 10282), (70, 10321), (72, 10339), (73, 10363), (75, 10393), (77, 10399), (79, 10429), (81, 10465), (82, 10474), (83, 10486), (85, 10519), (86, 10534), (90, 10582), (92, 10603), (97, 10699), (98, 10708), (101, 10741), (102, 10744), (103, 10756), (106, 10789), (109, 10810), (112, 10822), (121, 10885), (122, 10891), (126, 10903), (137, 11005), (142, 11080), (154, 11209), (156, 11221), (160, 11290), (161, 11299), (164, 11350), (165, 11365), (166, 11368), (167, 11386), (168, 11407), (169, 11425), (173, 11497), (175, 11551), (176, 11587), (177, 11593), (178, 11626), (180, 11659), (182, 11680), (184, 11710), (186, 11743), (187, 11767), (188, 11770), (189, 11779), (191, 11824), (192, 11827), (195, 11851), (198, 11920), (199, 11926), (214, 12025), (219, 12064), (220, 12067), (227, 12097), (232, 12124), (236, 12151), (239, 12196), (255, 12319), (270, 12367), (277, 12397), (281, 12418), (286, 12484), (291, 12592), (293, 12616), (294, 12622), (296, 12637), (299, 12652), (300, 12688), (302, 12751), (303, 12754), (305, 12787), (306, 12826), (307, 12847), (313, 13024),

Gene: JalFarm20_16 Start: 9878, Stop: 13408, Start Num: 2
Candidate Starts for JalFarm20_16:
(Start: 2 @9878 has 204 MA's), (5, 9929), (6, 9956), (8, 10013), (10, 10058), (12, 10130), (28, 10184), (29, 10190), (33, 10253), (34, 10268), (43, 10385), (47, 10418), (51, 10460), (54, 10505), (56, 10523), (58, 10535), (62, 10607), (65, 10640), (66, 10643), (70, 10682), (73, 10724), (75, 10754), (77, 10760), (79, 10790), (81, 10826), (82, 10835), (83, 10847), (85, 10880), (90, 10943), (96, 11039), (98, 11069), (101, 11102), (102, 11105), (103, 11117), (109, 11171), (112, 11183), (120, 11237), (121, 11246), (137, 11366), (151, 11510), (154, 11570), (156, 11582), (160, 11651), (163, 11675), (164, 11714), (165, 11729), (166, 11732), (167, 11750), (168, 11771), (169, 11789), (173, 11861), (175, 11915), (176, 11951), (177, 11957), (180, 12023), (184, 12074), (186, 12107), (187, 12131), (188, 12134), (189, 12143), (191, 12188), (192, 12191), (193, 12197), (195, 12215), (198, 12284), (199, 12290), (214, 12389), (232, 12488), (235, 12506), (239, 12560), (250, 12662), (255, 12686), (270, 12734), (277, 12764), (281, 12785), (286, 12851), (291, 12959), (293, 12983), (294, 12989), (296, 13004), (299, 13019), (300, 13055), (302, 13118), (303, 13121), (304, 13133), (305, 13154), (307, 13214), (313, 13394),

Gene: James_14 Start: 9483, Stop: 13010, Start Num: 2
Candidate Starts for James_14:
(Start: 1 @9462 has 43 MA's), (Start: 2 @9483 has 204 MA's), (3, 9495), (5, 9534), (6, 9561), (10, 9663), (11, 9711), (12, 9735), (28, 9789), (29, 9795), (33, 9858), (34, 9873), (43, 9990), (47, 10023), (49, 10041), (51, 10065), (54, 10110), (56, 10128), (58, 10140), (62, 10212), (65, 10245), (66, 10248), (70, 10287), (73, 10329), (75, 10359), (77, 10365), (79, 10395), (81, 10431), (82, 10440), (83, 10452), (85, 10485), (86, 10500), (87, 10527), (90, 10548), (91, 10560), (92, 10569), (97, 10665), (98, 10674), (102, 10710), (103, 10722), (106, 10755), (109, 10776), (121, 10851), (126, 10869), (137, 10971), (142, 11046), (154, 11175), (156, 11187), (160, 11256), (164, 11319), (165, 11334), (166, 11337), (167, 11355), (168, 11376), (169, 11394), (173, 11466), (175, 11520), (176, 11556), (177, 11562), (180, 11628), (184, 11679), (186, 11712), (187, 11736), (188, 11739), (189, 11748), (191, 11793), (192, 11796), (193, 11802), (195, 11820), (198, 11889), (199, 11895), (214, 11994), (219, 12033), (220, 12036), (227, 12066), (236, 12120), (239, 12165), (255, 12288), (270, 12336), (277, 12366), (281, 12387), (286, 12453), (288, 12477), (291, 12561), (293, 12585), (294, 12591), (296, 12606), (299, 12621), (300, 12657), (302, 12720), (303, 12723), (304, 12735), (305, 12756), (307, 12816), (313, 12996),

Gene: Jant_14 Start: 9534, Stop: 13181, Start Num: 2
Candidate Starts for Jant_14:

(Start: 2 @9534 has 204 MA's), (3, 9546), (5, 9585), (6, 9612), (8, 9669), (10, 9714), (12, 9786), (26, 9828), (27, 9831), (28, 9840), (29, 9846), (32, 9870), (33, 9909), (34, 9924), (43, 10041), (47, 10074), (51, 10116), (54, 10161), (56, 10179), (58, 10191), (62, 10263), (65, 10296), (66, 10299), (70, 10338), (73, 10380), (75, 10410), (77, 10416), (79, 10446), (81, 10482), (82, 10491), (83, 10503), (90, 10599), (96, 10695), (98, 10725), (101, 10758), (102, 10761), (103, 10773), (109, 10827), (112, 10839), (120, 10893), (121, 10902), (137, 11022), (151, 11166), (154, 11226), (156, 11238), (160, 11307), (163, 11331), (164, 11370), (165, 11385), (166, 11388), (167, 11406), (168, 11427), (169, 11445), (173, 11517), (175, 11571), (176, 11607), (177, 11613), (180, 11679), (184, 11730), (186, 11763), (187, 11787), (188, 11790), (189, 11799), (191, 11844), (192, 11847), (193, 11853), (195, 11871), (198, 11940), (199, 11946), (207, 12012), (208, 12015), (209, 12018), (211, 12036), (213, 12048), (220, 12096), (222, 12105), (229, 12138), (234, 12165), (241, 12228), (247, 12279), (252, 12333), (255, 12348), (261, 12402), (265, 12411), (267, 12417), (269, 12453), (273, 12480), (281, 12558), (286, 12624), (291, 12732), (293, 12756), (294, 12762), (296, 12777), (299, 12792), (300, 12828), (302, 12891), (303, 12894), (304, 12906), (305, 12927), (307, 12987), (313, 13167),

Gene: Jarcob_14 Start: 9491, Stop: 13018, Start Num: 2
Candidate Starts for Jarcob_14:
(Start: 1 @9470 has 43 MA's), (Start: 2 @9491 has 204 MA's), (3, 9503), (5, 9542), (6, 9569), (10, 9671), (11, 9719), (12, 9743), (28, 9797), (29, 9803), (33, 9866), (34, 9881), (43, 9998), (47, 10031), (49, 10049), (51, 10073), (54, 10118), (56, 10136), (58, 10148), (62, 10220), (65, 10253), (66, 10256), (70, 10295), (73, 10337), (75, 10367), (77, 10373), (79, 10403), (81, 10439), (82, 10448), (83, 10460), (85, 10493), (86, 10508), (87, 10535), (90, 10556), (91, 10568), (92, 10577), (97, 10673), (98, 10682), (102, 10718), (103, 10730), (106, 10763), (109, 10784), (121, 10859), (126, 10877), (137, 10979), (142, 11054), (154, 11183), (156, 11195), (160, 11264), (164, 11327), (165, 11342), (166, 11345), (167, 11363), (168, 11384), (169, 11402), (173, 11474), (175, 11528), (176, 11564), (177, 11570), (180, 11636), (184, 11687), (186, 11720), (187, 11744), (188, 11747), (189, 11756), (191, 11801), (192, 11804), (193, 11810), (195, 11828), (198, 11897), (199, 11903), (214, 12002), (219, 12041), (220, 12044), (227, 12074), (236, 12128), (239, 12173), (255, 12296), (270, 12344), (277, 12374), (281, 12395), (286, 12461), (288, 12485), (291, 12569), (293, 12593), (294, 12599), (296, 12614), (299, 12629), (300, 12665), (302, 12728), (303, 12731), (304, 12743), (305, 12764), (307, 12824), (313, 13004),

Gene: Jennelsea_14 Start: 9453, Stop: 12965, Start Num: 1
Candidate Starts for Jennelsea_14:
(Start: 1 @9453 has 43 MA's), (Start: 2 @9474 has 204 MA's), (3, 9486), (5, 9525), (6, 9552), (10, 9654), (11, 9702), (12, 9726), (26, 9768), (27, 9771), (28, 9780), (29, 9786), (33, 9849), (34, 9864), (43, 9981), (47, 10014), (49, 10032), (51, 10056), (54, 10101), (56, 10119), (58, 10131), (61, 10188), (62, 10203), (63, 10221), (65, 10236), (66, 10239), (70, 10278), (73, 10320), (75, 10350), (77, 10356), (79, 10386), (81, 10422), (82, 10431), (83, 10443), (85, 10476), (86, 10491), (87, 10518), (90, 10539), (92, 10560), (94, 10602), (96, 10635), (99, 10677), (100, 10689), (104, 10734), (106, 10746), (116, 10797), (117, 10806), (126, 10842), (128, 10848), (132, 10860), (136, 10923), (139, 10971), (145, 11034), (146, 11037), (148, 11046), (160, 11211), (164, 11274), (165, 11289), (166, 11292), (167, 11310), (168, 11331), (169, 11349), (173, 11421), (175, 11475), (176, 11511), (177, 11517), (178, 11550), (180, 11583), (184, 11634), (186, 11667), (187, 11691), (188, 11694), (189, 11703), (191, 11748), (192, 11751), (195, 11775), (198, 11844), (199, 11850), (214, 11949), (219, 11988), (220, 11991), (227, 12021), (232, 12048), (236, 12075), (239, 12120), (255, 12243), (270, 12291), (277, 12321), (281, 12342), (286, 12408), (291, 12516), (293, 12540), (294, 12546), (296, 12561), (299, 12576), (300, 12612), (302, 12675), (303, 12678), (304, 12690), (305, 12711), (306, 12750), (307, 12771), (313, 12951),

Gene: Jinglebell_13 Start: 9489, Stop: 13247, Start Num: 2
Candidate Starts for Jinglebell_13:

(Start: 1 @9468 has 43 MA's), (Start: 2 @9489 has 204 MA's), (3, 9501), (5, 9540), (6, 9567), (10, 9669), (14, 9786), (16, 9834), (17, 9843), (18, 9888), (19, 9921), (20, 9930), (22, 9945), (23, 9954), (26, 10014), (27, 10017), (28, 10026), (29, 10032), (33, 10095), (34, 10110), (43, 10227), (47, 10260), (49, 10278), (51, 10302), (54, 10347), (56, 10365), (58, 10377), (61, 10434), (62, 10449), (65, 10482), (66, 10485), (70, 10524), (73, 10566), (75, 10596), (77, 10602), (79, 10632), (81, 10668), (82, 10677), (83, 10689), (85, 10722), (86, 10737), (90, 10785), (92, 10806), (97, 10902), (98, 10911), (102, 10947), (103, 10959), (106, 10992), (109, 11013), (112, 11025), (121, 11088), (122, 11094), (126, 11106), (137, 11208), (142, 11283), (154, 11412), (156, 11424), (160, 11493), (161, 11502), (164, 11553), (165, 11568), (166, 11571), (167, 11589), (168, 11610), (169, 11628), (173, 11700), (175, 11754), (176, 11790), (177, 11796), (178, 11829), (180, 11862), (184, 11913), (186, 11946), (187, 11970), (188, 11973), (189, 11982), (191, 12027), (192, 12030), (195, 12054), (198, 12126), (199, 12132), (205, 12180), (214, 12231), (219, 12270), (220, 12273), (227, 12303), (232, 12330), (236, 12357), (239, 12402), (242, 12414), (250, 12501), (255, 12525), (270, 12573), (281, 12624), (286, 12690), (291, 12798), (293, 12822), (294, 12828), (296, 12843), (297, 12849), (299, 12858), (300, 12894), (302, 12957), (303, 12960), (305, 12993), (306, 13032), (307, 13053), (313, 13233),

Gene: Job42_16 Start: 9901, Stop: 13389, Start Num: 2
Candidate Starts for Job42_16:
(Start: 2 @9901 has 204 MA's), (5, 9952), (6, 9979), (10, 10081), (11, 10129), (12, 10153), (28, 10207), (29, 10213), (33, 10276), (34, 10291), (43, 10408), (47, 10441), (49, 10459), (51, 10483), (54, 10528), (56, 10546), (58, 10558), (61, 10615), (62, 10630), (63, 10648), (65, 10663), (66, 10666), (70, 10705), (72, 10723), (73, 10747), (75, 10777), (77, 10783), (79, 10813), (81, 10849), (82, 10858), (83, 10870), (85, 10903), (86, 10918), (87, 10945), (90, 10966), (92, 10987), (94, 11029), (96, 11062), (99, 11104), (100, 11116), (104, 11161), (106, 11173), (116, 11224), (117, 11233), (126, 11269), (128, 11275), (132, 11287), (136, 11350), (139, 11398), (145, 11461), (146, 11464), (148, 11473), (160, 11638), (164, 11701), (165, 11716), (166, 11719), (167, 11737), (168, 11758), (169, 11776), (173, 11848), (175, 11902), (176, 11938), (177, 11944), (178, 11977), (180, 12010), (184, 12061), (186, 12094), (187, 12118), (188, 12121), (189, 12130), (191, 12175), (192, 12178), (195, 12202), (198, 12271), (199, 12277), (214, 12376), (219, 12415), (220, 12418), (227, 12448), (232, 12475), (236, 12502), (239, 12547), (255, 12670), (270, 12718), (277, 12748), (281, 12769), (286, 12835), (291, 12943), (293, 12967), (294, 12973), (296, 12988), (299, 13003), (300, 13039), (302, 13102), (303, 13105), (305, 13138), (307, 13198), (313, 13375),

Gene: JoeyJr_14 Start: 9486, Stop: 13181, Start Num: 2
Candidate Starts for JoeyJr_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (26, 9780), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (90, 10551), (92, 10572), (97, 10668), (98, 10677), (102, 10713), (103, 10725), (106, 10758), (109, 10779), (120, 10845), (121, 10854), (126, 10872), (137, 10974), (142, 11049), (151, 11118), (154, 11178), (156, 11190), (160, 11259), (161, 11268), (164, 11322), (165, 11337), (166, 11340), (167, 11358), (168, 11379), (169, 11397), (173, 11469), (175, 11523), (176, 11559), (177, 11565), (178, 11598), (180, 11631), (184, 11682), (186, 11715), (187, 11739), (188, 11742), (189, 11751), (191, 11796), (192, 11799), (195, 11823), (200, 11913), (217, 12060), (221, 12081), (239, 12222), (244, 12246), (246, 12273), (268, 12453), (270, 12483), (280, 12555), (287, 12642), (291, 12735), (293, 12759), (294, 12765), (296, 12780), (297, 12786), (299, 12795), (300, 12831), (302, 12894), (303, 12897), (305, 12930), (306, 12969), (307, 12990), (313, 13167),

Gene: Juice456_15 Start: 9324, Stop: 12830, Start Num: 1
Candidate Starts for Juice456_15:
(Start: 1 @9324 has 43 MA's), (Start: 2 @9345 has 204 MA's), (3, 9357), (5, 9396), (6, 9423), (10, 9525), (11, 9573), (12, 9597), (26, 9639), (27, 9642), (28, 9651), (29, 9657), (33, 9720), (34, 9735), (43,

9852), (47, 9885), (49, 9903), (51, 9927), (54, 9972), (56, 9990), (58, 10002), (61, 10059), (62, 10074), (63, 10092), (65, 10107), (66, 10110), (70, 10149), (72, 10167), (73, 10191), (75, 10221), (77, 10227), (79, 10257), (81, 10293), (82, 10302), (83, 10314), (85, 10347), (86, 10362), (87, 10389), (90, 10410), (91, 10422), (92, 10431), (94, 10473), (96, 10506), (99, 10548), (100, 10560), (104, 10605), (106, 10617), (116, 10668), (117, 10677), (125, 10710), (126, 10713), (128, 10719), (132, 10731), (136, 10794), (139, 10842), (145, 10905), (146, 10908), (148, 10917), (160, 11082), (161, 11091), (164, 11142), (165, 11157), (166, 11160), (167, 11178), (168, 11199), (169, 11217), (173, 11289), (175, 11343), (176, 11379), (177, 11385), (178, 11418), (180, 11451), (184, 11502), (186, 11535), (187, 11559), (188, 11562), (189, 11571), (191, 11616), (192, 11619), (195, 11643), (198, 11712), (199, 11718), (227, 11889), (236, 11943), (239, 11988), (255, 12111), (270, 12159), (277, 12189), (281, 12210), (286, 12276), (288, 12300), (291, 12384), (293, 12408), (294, 12414), (296, 12429), (297, 12435), (299, 12444), (300, 12480), (302, 12543), (303, 12546), (305, 12579), (306, 12618), (307, 12639), (313, 12816),

Gene: Juniper1_14 Start: 9462, Stop: 13007, Start Num: 1
Candidate Starts for Juniper1_14:
(Start: 1 @9462 has 43 MA's), (Start: 2 @9483 has 204 MA's), (3, 9495), (5, 9534), (6, 9561), (10, 9663), (12, 9735), (28, 9789), (29, 9795), (33, 9858), (34, 9873), (43, 9990), (47, 10023), (49, 10041), (51, 10065), (54, 10110), (56, 10128), (58, 10140), (62, 10212), (65, 10245), (66, 10248), (70, 10287), (73, 10329), (75, 10359), (77, 10365), (79, 10395), (81, 10431), (82, 10440), (83, 10452), (85, 10485), (90, 10548), (91, 10560), (92, 10569), (97, 10665), (98, 10674), (102, 10710), (103, 10722), (106, 10755), (109, 10776), (121, 10851), (122, 10857), (126, 10869), (137, 10971), (142, 11046), (154, 11175), (156, 11187), (160, 11253), (161, 11262), (164, 11316), (165, 11331), (166, 11334), (167, 11352), (168, 11373), (169, 11391), (173, 11463), (175, 11517), (176, 11553), (177, 11559), (178, 11592), (180, 11625), (184, 11676), (186, 11709), (187, 11733), (188, 11736), (189, 11745), (191, 11790), (192, 11793), (195, 11817), (198, 11886), (199, 11892), (216, 12012), (232, 12090), (235, 12108), (238, 12141), (239, 12162), (250, 12264), (255, 12288), (270, 12336), (275, 12366), (278, 12387), (286, 12453), (291, 12561), (293, 12585), (294, 12591), (296, 12606), (297, 12612), (299, 12621), (300, 12657), (302, 12720), (303, 12723), (305, 12756), (306, 12795), (307, 12816), (313, 12993),

Gene: Karhdo_14 Start: 9473, Stop: 13141, Start Num: 1
Candidate Starts for Karhdo_14:
(Start: 1 @9473 has 43 MA's), (Start: 2 @9494 has 204 MA's), (3, 9506), (5, 9545), (6, 9572), (10, 9674), (11, 9722), (12, 9746), (26, 9788), (27, 9791), (28, 9800), (29, 9806), (33, 9869), (34, 9884), (43, 10001), (47, 10034), (49, 10052), (51, 10076), (54, 10121), (56, 10139), (58, 10151), (62, 10223), (65, 10256), (66, 10259), (70, 10298), (73, 10340), (75, 10370), (77, 10376), (79, 10406), (81, 10442), (82, 10451), (83, 10463), (85, 10496), (87, 10538), (90, 10559), (91, 10571), (92, 10580), (97, 10676), (98, 10685), (102, 10721), (103, 10733), (106, 10766), (109, 10787), (121, 10862), (122, 10868), (126, 10880), (137, 10982), (151, 11126), (154, 11186), (156, 11198), (160, 11267), (163, 11291), (164, 11330), (165, 11345), (166, 11348), (167, 11366), (168, 11387), (169, 11405), (173, 11477), (175, 11531), (176, 11567), (177, 11573), (180, 11639), (184, 11690), (186, 11723), (187, 11747), (188, 11750), (189, 11759), (191, 11804), (192, 11807), (193, 11813), (195, 11831), (198, 11900), (199, 11906), (207, 11972), (208, 11975), (209, 11978), (211, 11996), (213, 12008), (220, 12056), (222, 12065), (229, 12098), (234, 12125), (241, 12188), (247, 12239), (252, 12293), (255, 12308), (265, 12371), (267, 12377), (269, 12413), (273, 12440), (281, 12518), (286, 12584), (291, 12692), (293, 12716), (294, 12722), (296, 12737), (299, 12752), (300, 12788), (302, 12851), (303, 12854), (304, 12866), (305, 12887), (307, 12947), (313, 13127),

Gene: Kenuha5_14 Start: 9499, Stop: 13134, Start Num: 2
Candidate Starts for Kenuha5_14:
(Start: 1 @9478 has 43 MA's), (Start: 2 @9499 has 204 MA's), (3, 9511), (5, 9550), (6, 9577), (10, 9679), (11, 9727), (12, 9751), (26, 9793), (27, 9796), (28, 9805), (29, 9811), (33, 9874), (34, 9889), (43,

10006), (47, 10039), (49, 10057), (51, 10081), (54, 10126), (56, 10144), (58, 10156), (61, 10213), (62, 10228), (63, 10246), (65, 10261), (66, 10264), (70, 10303), (73, 10345), (75, 10375), (77, 10381), (79, 10411), (81, 10447), (82, 10456), (83, 10468), (85, 10501), (86, 10516), (87, 10543), (90, 10564), (91, 10576), (92, 10585), (94, 10627), (96, 10660), (99, 10702), (100, 10714), (104, 10759), (106, 10771), (116, 10822), (117, 10831), (125, 10864), (126, 10867), (128, 10873), (132, 10885), (136, 10948), (139, 10996), (145, 11059), (146, 11062), (160, 11236), (161, 11245), (164, 11299), (165, 11314), (166, 11317), (167, 11335), (168, 11356), (169, 11374), (173, 11446), (175, 11500), (176, 11536), (177, 11542), (178, 11575), (180, 11608), (184, 11659), (186, 11692), (187, 11716), (188, 11719), (189, 11728), (191, 11773), (192, 11776), (195, 11800), (198, 11869), (199, 11875), (227, 12046), (236, 12100), (239, 12145), (257, 12304), (259, 12343), (265, 12367), (267, 12373), (268, 12379), (271, 12415), (286, 12580), (291, 12688), (293, 12712), (294, 12718), (296, 12733), (297, 12739), (299, 12748), (300, 12784), (302, 12847), (303, 12850), (305, 12883), (307, 12943), (313, 13120),

Gene: Kersh_14 Start: 9486, Stop: 13124, Start Num: 2
Candidate Starts for Kersh_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (12, 9738), (26, 9780), (27, 9783), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (49, 10044), (51, 10068), (54, 10113), (56, 10131), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (87, 10530), (90, 10551), (92, 10572), (97, 10668), (98, 10677), (101, 10710), (102, 10713), (103, 10725), (106, 10758), (109, 10779), (121, 10854), (122, 10860), (126, 10872), (137, 10974), (154, 11178), (156, 11190), (160, 11256), (164, 11316), (165, 11331), (166, 11334), (167, 11352), (168, 11373), (169, 11391), (173, 11463), (175, 11517), (176, 11553), (177, 11559), (180, 11625), (182, 11646), (184, 11676), (186, 11709), (187, 11733), (188, 11736), (189, 11745), (191, 11790), (192, 11793), (193, 11799), (195, 11817), (199, 11892), (207, 11958), (208, 11961), (211, 11982), (213, 11994), (220, 12042), (222, 12051), (229, 12084), (234, 12111), (241, 12174), (252, 12279), (255, 12294), (261, 12348), (265, 12357), (267, 12363), (269, 12399), (281, 12504), (286, 12570), (291, 12678), (293, 12702), (294, 12708), (296, 12723), (297, 12729), (299, 12738), (300, 12774), (302, 12837), (303, 12840), (306, 12912), (307, 12933), (313, 13110),

Gene: Kimberlium_15 Start: 9345, Stop: 12830, Start Num: 2
Candidate Starts for Kimberlium_15:
(Start: 1 @9324 has 43 MA's), (Start: 2 @9345 has 204 MA's), (3, 9357), (5, 9396), (6, 9423), (10, 9525), (11, 9573), (12, 9597), (26, 9639), (27, 9642), (28, 9651), (29, 9657), (33, 9720), (34, 9735), (43, 9852), (47, 9885), (49, 9903), (51, 9927), (54, 9972), (56, 9990), (58, 10002), (61, 10059), (62, 10074), (63, 10092), (65, 10107), (66, 10110), (70, 10149), (72, 10167), (73, 10191), (75, 10221), (77, 10227), (79, 10257), (81, 10293), (82, 10302), (83, 10314), (85, 10347), (86, 10362), (87, 10389), (90, 10410), (91, 10422), (92, 10431), (94, 10473), (96, 10506), (99, 10548), (100, 10560), (104, 10605), (106, 10617), (116, 10668), (117, 10677), (125, 10710), (126, 10713), (128, 10719), (132, 10731), (136, 10794), (139, 10842), (145, 10905), (146, 10908), (148, 10917), (160, 11082), (161, 11091), (164, 11142), (165, 11157), (166, 11160), (167, 11178), (168, 11199), (169, 11217), (173, 11289), (175, 11343), (176, 11379), (177, 11385), (178, 11418), (180, 11451), (184, 11502), (186, 11535), (187, 11559), (188, 11562), (189, 11571), (191, 11616), (192, 11619), (195, 11643), (198, 11712), (199, 11718), (227, 11889), (236, 11943), (239, 11988), (255, 12111), (270, 12159), (277, 12189), (281, 12210), (286, 12276), (288, 12300), (291, 12384), (293, 12408), (294, 12414), (296, 12429), (297, 12435), (299, 12444), (300, 12480), (302, 12543), (303, 12546), (305, 12579), (306, 12618), (307, 12639), (313, 12816),

Gene: KingJulian_14 Start: 9533, Stop: 13063, Start Num: 2
Candidate Starts for KingJulian_14:
(Start: 2 @9533 has 204 MA's), (3, 9545), (5, 9584), (6, 9611), (8, 9668), (10, 9713), (12, 9785), (26, 9827), (27, 9830), (28, 9839), (29, 9845), (32, 9869), (33, 9908), (34, 9923), (43, 10040), (47, 10073), (51, 10115), (54, 10160), (56, 10178), (58, 10190), (62, 10262), (65, 10295), (66, 10298), (70, 10337),

(73, 10379), (75, 10409), (77, 10415), (79, 10445), (81, 10481), (82, 10490), (83, 10502), (90, 10598), (96, 10694), (98, 10724), (101, 10757), (102, 10760), (103, 10772), (109, 10826), (112, 10838), (120, 10892), (121, 10901), (137, 11021), (151, 11165), (154, 11225), (156, 11237), (160, 11306), (163, 11330), (165, 11384), (166, 11387), (168, 11426), (169, 11444), (173, 11516), (175, 11570), (176, 11606), (177, 11612), (180, 11678), (184, 11729), (186, 11762), (187, 11786), (188, 11789), (189, 11798), (191, 11843), (192, 11846), (193, 11852), (195, 11870), (198, 11939), (199, 11945), (214, 12044), (232, 12143), (235, 12161), (239, 12215), (250, 12317), (255, 12341), (270, 12389), (277, 12419), (281, 12440), (286, 12506), (291, 12614), (293, 12638), (294, 12644), (296, 12659), (299, 12674), (300, 12710), (302, 12773), (303, 12776), (304, 12788), (305, 12809), (307, 12869), (313, 13049),

Gene: KingMidas_14 Start: 9486, Stop: 13010, Start Num: 2
Candidate Starts for KingMidas_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (26, 9780), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (90, 10551), (92, 10572), (97, 10668), (98, 10677), (102, 10713), (103, 10725), (106, 10758), (109, 10779), (120, 10845), (121, 10854), (126, 10872), (137, 10974), (142, 11049), (151, 11118), (154, 11178), (156, 11190), (160, 11259), (161, 11268), (164, 11322), (165, 11337), (166, 11340), (167, 11358), (168, 11379), (169, 11397), (173, 11469), (175, 11523), (176, 11559), (177, 11565), (178, 11598), (180, 11631), (184, 11682), (186, 11715), (187, 11739), (188, 11742), (189, 11751), (191, 11796), (192, 11799), (195, 11823), (198, 11892), (199, 11898), (216, 12018), (232, 12096), (235, 12114), (238, 12147), (239, 12168), (250, 12270), (255, 12294), (270, 12342), (275, 12372), (278, 12393), (286, 12456), (291, 12564), (293, 12588), (294, 12594), (296, 12609), (297, 12615), (299, 12624), (300, 12660), (302, 12723), (303, 12726), (305, 12759), (306, 12798), (307, 12819), (313, 12996),

Gene: Kingsley_15 Start: 9337, Stop: 12867, Start Num: 2
Candidate Starts for Kingsley_15:
(Start: 1 @9316 has 43 MA's), (Start: 2 @9337 has 204 MA's), (3, 9349), (5, 9388), (6, 9415), (10, 9517), (11, 9565), (12, 9589), (26, 9631), (28, 9643), (29, 9649), (33, 9712), (34, 9727), (43, 9844), (47, 9877), (51, 9919), (54, 9964), (56, 9982), (58, 9994), (62, 10066), (65, 10099), (66, 10102), (70, 10141), (73, 10183), (75, 10213), (77, 10219), (79, 10249), (81, 10285), (82, 10294), (83, 10306), (90, 10402), (96, 10498), (98, 10528), (101, 10561), (102, 10564), (103, 10576), (109, 10630), (112, 10642), (120, 10696), (121, 10705), (137, 10825), (151, 10969), (154, 11029), (156, 11041), (160, 11110), (161, 11119), (164, 11173), (165, 11188), (166, 11191), (168, 11230), (169, 11248), (173, 11320), (175, 11374), (176, 11410), (177, 11416), (178, 11449), (180, 11482), (184, 11533), (186, 11566), (187, 11590), (188, 11593), (189, 11602), (191, 11647), (192, 11650), (193, 11656), (195, 11674), (198, 11743), (199, 11749), (214, 11848), (232, 11947), (235, 11965), (239, 12019), (250, 12121), (255, 12145), (270, 12193), (277, 12223), (281, 12244), (286, 12310), (291, 12418), (293, 12442), (294, 12448), (296, 12463), (299, 12478), (300, 12514), (302, 12577), (303, 12580), (304, 12592), (305, 12613), (307, 12673), (313, 12853),

Gene: Koella_14 Start: 9465, Stop: 12977, Start Num: 1
Candidate Starts for Koella_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (26, 9780), (27, 9783), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (49, 10044), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (61, 10200), (62, 10215), (63, 10233), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (86, 10503), (87, 10530), (90, 10551), (92, 10572), (94, 10614), (96, 10647), (99, 10689), (100, 10701), (104, 10746), (106, 10758), (116, 10809), (117, 10818), (126, 10854), (128, 10860), (132, 10872), (136, 10935), (139, 10983), (145, 11046),

(146, 11049), (148, 11058), (160, 11223), (164, 11286), (165, 11301), (166, 11304), (167, 11322), (168, 11343), (169, 11361), (173, 11433), (175, 11487), (176, 11523), (177, 11529), (178, 11562), (180, 11595), (184, 11646), (186, 11679), (187, 11703), (188, 11706), (189, 11715), (191, 11760), (192, 11763), (195, 11787), (198, 11856), (199, 11862), (214, 11961), (219, 12000), (220, 12003), (227, 12033), (232, 12060), (236, 12087), (239, 12132), (255, 12255), (270, 12303), (277, 12333), (281, 12354), (286, 12420), (291, 12528), (293, 12552), (294, 12558), (296, 12573), (299, 12588), (300, 12624), (302, 12687), (303, 12690), (304, 12702), (305, 12723), (306, 12762), (307, 12783), (313, 12963),

Gene: Krakatau_15 Start: 10184, Stop: 13708, Start Num: 2
Candidate Starts for Krakatau_15:
(Start: 2 @10184 has 204 MA's), (3, 10196), (5, 10235), (6, 10262), (8, 10319), (10, 10364), (12, 10436), (26, 10478), (27, 10481), (28, 10490), (29, 10496), (32, 10520), (33, 10559), (34, 10574), (43, 10691), (47, 10724), (51, 10766), (54, 10811), (56, 10829), (58, 10841), (62, 10913), (65, 10946), (66, 10949), (70, 10988), (73, 11030), (75, 11060), (77, 11066), (79, 11096), (81, 11132), (82, 11141), (83, 11153), (90, 11249), (96, 11345), (98, 11375), (101, 11408), (102, 11411), (103, 11423), (109, 11477), (112, 11489), (120, 11543), (121, 11552), (137, 11672), (151, 11816), (154, 11876), (156, 11888), (160, 11957), (163, 11981), (164, 12020), (165, 12035), (166, 12038), (167, 12056), (168, 12077), (169, 12095), (173, 12167), (175, 12221), (176, 12257), (177, 12263), (180, 12329), (184, 12380), (186, 12413), (187, 12437), (188, 12440), (189, 12449), (191, 12494), (192, 12497), (193, 12503), (195, 12521), (198, 12590), (199, 12596), (214, 12695), (219, 12734), (220, 12737), (227, 12767), (236, 12821), (239, 12866), (255, 12989), (270, 13037), (277, 13067), (281, 13088), (286, 13154), (291, 13262), (293, 13286), (294, 13292), (296, 13307), (299, 13322), (300, 13358), (302, 13421), (303, 13424), (304, 13436), (305, 13457), (306, 13496), (307, 13517), (313, 13694),

Gene: KristaRAM_15 Start: 10181, Stop: 13711, Start Num: 2
Candidate Starts for KristaRAM_15:
(Start: 2 @10181 has 204 MA's), (3, 10193), (5, 10232), (6, 10259), (8, 10316), (10, 10361), (12, 10433), (28, 10487), (29, 10493), (33, 10556), (34, 10571), (43, 10688), (47, 10721), (51, 10763), (54, 10808), (56, 10826), (58, 10838), (62, 10910), (65, 10943), (66, 10946), (70, 10985), (73, 11027), (75, 11057), (77, 11063), (79, 11093), (81, 11129), (82, 11138), (83, 11150), (90, 11246), (96, 11342), (98, 11372), (101, 11405), (102, 11408), (103, 11420), (109, 11474), (112, 11486), (120, 11540), (121, 11549), (137, 11669), (154, 11873), (156, 11885), (160, 11954), (163, 11978), (165, 12032), (166, 12035), (167, 12053), (168, 12074), (169, 12092), (173, 12164), (175, 12218), (176, 12254), (177, 12260), (180, 12326), (184, 12377), (186, 12410), (187, 12434), (188, 12437), (189, 12446), (191, 12491), (192, 12494), (193, 12500), (195, 12518), (198, 12587), (199, 12593), (214, 12692), (232, 12791), (239, 12863), (250, 12965), (255, 12989), (270, 13037), (277, 13067), (281, 13088), (286, 13154), (291, 13262), (293, 13286), (294, 13292), (296, 13307), (299, 13322), (300, 13358), (302, 13421), (303, 13424), (304, 13436), (305, 13457), (307, 13517), (313, 13697),

Gene: LastJedi_14 Start: 9482, Stop: 13009, Start Num: 2
Candidate Starts for LastJedi_14:
(Start: 1 @9461 has 43 MA's), (Start: 2 @9482 has 204 MA's), (3, 9494), (5, 9533), (6, 9560), (10, 9662), (11, 9710), (12, 9734), (28, 9788), (29, 9794), (33, 9857), (34, 9872), (43, 9989), (47, 10022), (49, 10040), (51, 10064), (54, 10109), (56, 10127), (58, 10139), (62, 10211), (65, 10244), (66, 10247), (70, 10286), (73, 10328), (75, 10358), (77, 10364), (79, 10394), (81, 10430), (82, 10439), (83, 10451), (85, 10484), (86, 10499), (87, 10526), (90, 10547), (91, 10559), (92, 10568), (97, 10664), (98, 10673), (102, 10709), (103, 10721), (106, 10754), (109, 10775), (121, 10850), (126, 10868), (137, 10970), (142, 11045), (154, 11174), (156, 11186), (160, 11255), (164, 11318), (165, 11333), (166, 11336), (167, 11354), (168, 11375), (169, 11393), (173, 11465), (175, 11519), (176, 11555), (177, 11561), (180, 11627), (184, 11678), (186, 11711), (187, 11735), (188, 11738), (189, 11747), (191, 11792), (192, 11795), (193, 11801), (195, 11819), (198, 11888), (199, 11894), (214, 11993), (219, 12032), (220, 12035), (227, 12065), (236, 12119), (239, 12164), (255, 12287), (270, 12335), (277, 12365),

(281, 12386), (286, 12452), (288, 12476), (291, 12560), (293, 12584), (294, 12590), (296, 12605), (299, 12620), (300, 12656), (302, 12719), (303, 12722), (304, 12734), (305, 12755), (307, 12815), (313, 12995),

Gene: Latretium_15 Start: 10020, Stop: 13691, Start Num: 2
Candidate Starts for Latretium_15:
(Start: 2 @10020 has 204 MA's), (5, 10071), (6, 10098), (8, 10155), (10, 10200), (12, 10272), (28, 10326), (29, 10332), (32, 10356), (33, 10395), (34, 10410), (43, 10527), (47, 10560), (49, 10578), (51, 10602), (54, 10647), (56, 10665), (58, 10677), (61, 10734), (62, 10749), (63, 10767), (65, 10782), (66, 10785), (70, 10824), (73, 10866), (75, 10896), (77, 10902), (79, 10932), (81, 10968), (82, 10977), (83, 10989), (85, 11022), (90, 11085), (96, 11181), (98, 11211), (101, 11244), (102, 11247), (103, 11259), (106, 11292), (109, 11313), (121, 11388), (126, 11406), (137, 11508), (154, 11712), (156, 11724), (160, 11793), (164, 11853), (165, 11868), (166, 11871), (167, 11889), (168, 11910), (169, 11928), (173, 12000), (175, 12054), (176, 12090), (177, 12096), (178, 12129), (180, 12162), (184, 12213), (186, 12246), (187, 12270), (188, 12273), (189, 12282), (191, 12327), (192, 12330), (195, 12354), (198, 12423), (199, 12429), (227, 12600), (236, 12654), (239, 12699), (257, 12858), (259, 12897), (265, 12921), (267, 12927), (268, 12933), (271, 12969), (286, 13137), (291, 13245), (293, 13269), (294, 13275), (296, 13290), (297, 13296), (299, 13305), (300, 13341), (303, 13407), (305, 13440), (306, 13479), (307, 13500), (313, 13677),

Gene: Leozinho_15 Start: 9344, Stop: 12871, Start Num: 2
Candidate Starts for Leozinho_15:
(Start: 1 @9323 has 43 MA's), (Start: 2 @9344 has 204 MA's), (3, 9356), (5, 9395), (6, 9422), (10, 9524), (11, 9572), (12, 9596), (28, 9650), (29, 9656), (33, 9719), (34, 9734), (43, 9851), (47, 9884), (49, 9902), (51, 9926), (54, 9971), (56, 9989), (58, 10001), (62, 10073), (65, 10106), (66, 10109), (70, 10148), (73, 10190), (75, 10220), (77, 10226), (79, 10256), (81, 10292), (82, 10301), (83, 10313), (85, 10346), (90, 10409), (92, 10430), (97, 10526), (98, 10535), (102, 10571), (103, 10583), (106, 10616), (109, 10637), (120, 10703), (121, 10712), (126, 10730), (137, 10832), (151, 10976), (154, 11036), (156, 11048), (160, 11117), (161, 11126), (164, 11180), (165, 11195), (166, 11198), (167, 11216), (168, 11237), (169, 11255), (173, 11327), (175, 11381), (176, 11417), (177, 11423), (178, 11456), (180, 11489), (184, 11540), (186, 11573), (187, 11597), (188, 11600), (189, 11609), (191, 11654), (192, 11657), (195, 11681), (198, 11750), (199, 11756), (214, 11855), (219, 11894), (220, 11897), (227, 11927), (232, 11954), (236, 11981), (239, 12026), (255, 12149), (270, 12197), (277, 12227), (281, 12248), (286, 12314), (291, 12422), (293, 12446), (294, 12452), (296, 12467), (299, 12482), (300, 12518), (302, 12581), (303, 12584), (304, 12596), (305, 12617), (307, 12677), (313, 12857),

Gene: Leperchaun_14 Start: 9454, Stop: 13002, Start Num: 1
Candidate Starts for Leperchaun_14:
(Start: 1 @9454 has 43 MA's), (Start: 2 @9475 has 204 MA's), (3, 9487), (5, 9526), (6, 9553), (10, 9655), (11, 9703), (12, 9727), (26, 9769), (28, 9781), (29, 9787), (33, 9850), (34, 9865), (43, 9982), (47, 10015), (51, 10057), (54, 10102), (56, 10120), (58, 10132), (62, 10204), (65, 10237), (66, 10240), (70, 10279), (73, 10321), (75, 10351), (77, 10357), (79, 10387), (81, 10423), (82, 10432), (83, 10444), (85, 10477), (90, 10540), (92, 10561), (97, 10657), (98, 10666), (102, 10702), (103, 10714), (106, 10747), (109, 10768), (120, 10834), (121, 10843), (126, 10861), (137, 10963), (142, 11038), (151, 11107), (154, 11167), (156, 11179), (160, 11248), (161, 11257), (164, 11311), (165, 11326), (166, 11329), (167, 11347), (168, 11368), (169, 11386), (173, 11458), (175, 11512), (176, 11548), (177, 11554), (178, 11587), (180, 11620), (184, 11671), (186, 11704), (187, 11728), (188, 11731), (189, 11740), (191, 11785), (192, 11788), (195, 11812), (198, 11884), (199, 11890), (214, 11989), (219, 12028), (220, 12031), (227, 12061), (232, 12088), (236, 12115), (239, 12160), (255, 12283), (270, 12331), (277, 12361), (281, 12382), (286, 12448), (291, 12556), (293, 12580), (294, 12586), (296, 12601), (297, 12607), (299, 12616), (300, 12652), (303, 12718), (305, 12751), (306, 12790), (307, 12811), (313, 12988),

Gene: LilMoolah_14 Start: 9434, Stop: 13144, Start Num: 1
Candidate Starts for LilMoolah_14:
(Start: 1 @9434 has 43 MA's), (Start: 2 @9455 has 204 MA's), (3, 9467), (5, 9506), (6, 9533), (10, 9635), (11, 9683), (12, 9707), (28, 9761), (29, 9767), (33, 9830), (34, 9845), (43, 9962), (47, 9995), (49, 10013), (51, 10037), (54, 10082), (56, 10100), (58, 10112), (62, 10184), (65, 10217), (66, 10220), (70, 10259), (73, 10301), (75, 10331), (77, 10337), (79, 10367), (81, 10403), (82, 10412), (83, 10424), (85, 10457), (86, 10472), (90, 10520), (97, 10637), (98, 10646), (102, 10682), (103, 10694), (106, 10727), (109, 10748), (121, 10823), (126, 10841), (137, 10943), (142, 11018), (154, 11147), (156, 11159), (160, 11225), (164, 11285), (165, 11300), (166, 11303), (167, 11321), (168, 11342), (169, 11360), (173, 11432), (175, 11486), (176, 11522), (177, 11528), (180, 11594), (184, 11645), (186, 11678), (187, 11702), (188, 11705), (189, 11714), (191, 11759), (192, 11762), (195, 11786), (200, 11876), (217, 12023), (221, 12044), (239, 12185), (244, 12209), (246, 12236), (268, 12416), (270, 12446), (280, 12518), (287, 12605), (291, 12698), (293, 12722), (294, 12728), (296, 12743), (299, 12758), (300, 12794), (302, 12857), (303, 12860), (305, 12893), (306, 12932), (307, 12953), (313, 13130),

Gene: LittleShirley_15 Start: 9341, Stop: 12826, Start Num: 2
Candidate Starts for LittleShirley_15:
(Start: 2 @9341 has 204 MA's), (5, 9392), (6, 9419), (8, 9476), (10, 9521), (12, 9593), (28, 9647), (29, 9653), (33, 9716), (34, 9731), (43, 9848), (47, 9881), (49, 9899), (51, 9923), (54, 9968), (56, 9986), (58, 9998), (61, 10055), (62, 10070), (63, 10088), (65, 10103), (66, 10106), (70, 10145), (73, 10187), (75, 10217), (77, 10223), (79, 10253), (81, 10289), (82, 10298), (83, 10310), (85, 10343), (86, 10358), (87, 10385), (90, 10406), (91, 10418), (92, 10427), (94, 10469), (96, 10502), (99, 10544), (100, 10556), (104, 10601), (106, 10613), (116, 10664), (117, 10673), (125, 10706), (126, 10709), (128, 10715), (132, 10727), (136, 10790), (139, 10838), (145, 10901), (146, 10904), (148, 10913), (160, 11078), (161, 11087), (164, 11138), (165, 11153), (166, 11156), (167, 11174), (168, 11195), (169, 11213), (173, 11285), (175, 11339), (176, 11375), (177, 11381), (178, 11414), (180, 11447), (184, 11498), (186, 11531), (187, 11555), (188, 11558), (189, 11567), (191, 11612), (192, 11615), (193, 11621), (195, 11639), (198, 11708), (199, 11714), (214, 11813), (219, 11852), (220, 11855), (227, 11885), (232, 11912), (236, 11939), (239, 11984), (255, 12107), (270, 12155), (277, 12185), (281, 12206), (286, 12272), (291, 12380), (293, 12404), (294, 12410), (296, 12425), (297, 12431), (299, 12440), (300, 12476), (302, 12539), (303, 12542), (305, 12575), (307, 12635), (313, 12812),

Gene: Lizziana_14 Start: 9492, Stop: 13019, Start Num: 2
Candidate Starts for Lizziana_14:
(Start: 1 @9471 has 43 MA's), (Start: 2 @9492 has 204 MA's), (3, 9504), (5, 9543), (6, 9570), (10, 9672), (11, 9720), (12, 9744), (28, 9798), (29, 9804), (33, 9867), (34, 9882), (43, 9999), (47, 10032), (49, 10050), (51, 10074), (54, 10119), (56, 10137), (58, 10149), (62, 10221), (65, 10254), (66, 10257), (70, 10296), (73, 10338), (75, 10368), (77, 10374), (79, 10404), (81, 10440), (82, 10449), (83, 10461), (85, 10494), (86, 10509), (87, 10536), (90, 10557), (91, 10569), (92, 10578), (97, 10674), (98, 10683), (102, 10719), (103, 10731), (106, 10764), (109, 10785), (121, 10860), (126, 10878), (137, 10980), (142, 11055), (154, 11184), (156, 11196), (160, 11265), (164, 11328), (165, 11343), (166, 11346), (167, 11364), (168, 11385), (169, 11403), (173, 11475), (175, 11529), (176, 11565), (177, 11571), (180, 11637), (184, 11688), (186, 11721), (187, 11745), (188, 11748), (189, 11757), (191, 11802), (192, 11805), (193, 11811), (195, 11829), (198, 11898), (199, 11904), (214, 12003), (219, 12042), (220, 12045), (227, 12075), (236, 12129), (239, 12174), (255, 12297), (270, 12345), (277, 12375), (281, 12396), (286, 12462), (288, 12486), (291, 12570), (293, 12594), (294, 12600), (296, 12615), (299, 12630), (300, 12666), (302, 12729), (303, 12732), (304, 12744), (305, 12765), (307, 12825), (313, 13005),

Gene: Llama_14 Start: 9489, Stop: 13247, Start Num: 2
Candidate Starts for Llama_14:
(Start: 1 @9468 has 43 MA's), (Start: 2 @9489 has 204 MA's), (3, 9501), (5, 9540), (6, 9567), (10, 9669), (14, 9786), (16, 9834), (17, 9843), (18, 9888), (19, 9921), (20, 9930), (22, 9945), (23, 9954), (26,

10014), (27, 10017), (28, 10026), (29, 10032), (33, 10095), (34, 10110), (43, 10227), (47, 10260), (49, 10278), (51, 10302), (54, 10347), (56, 10365), (58, 10377), (61, 10434), (62, 10449), (65, 10482), (66, 10485), (70, 10524), (73, 10566), (75, 10596), (77, 10602), (79, 10632), (81, 10668), (82, 10677), (83, 10689), (85, 10722), (86, 10737), (90, 10785), (92, 10806), (97, 10902), (98, 10911), (102, 10947), (103, 10959), (106, 10992), (109, 11013), (112, 11025), (121, 11088), (122, 11094), (126, 11106), (137, 11208), (142, 11283), (154, 11412), (156, 11424), (160, 11493), (161, 11502), (164, 11553), (165, 11568), (166, 11571), (167, 11589), (168, 11610), (169, 11628), (173, 11700), (175, 11754), (176, 11790), (177, 11796), (178, 11829), (180, 11862), (184, 11913), (186, 11946), (187, 11970), (188, 11973), (189, 11982), (191, 12027), (192, 12030), (195, 12054), (198, 12126), (199, 12132), (205, 12180), (214, 12231), (219, 12270), (220, 12273), (227, 12303), (232, 12330), (236, 12357), (239, 12402), (242, 12414), (250, 12501), (255, 12525), (270, 12573), (281, 12624), (286, 12690), (291, 12798), (293, 12822), (294, 12828), (296, 12843), (297, 12849), (299, 12858), (300, 12894), (302, 12957), (303, 12960), (305, 12993), (306, 13032), (307, 13053), (313, 13233),

Gene: Llij_14 Start: 9482, Stop: 12994, Start Num: 1
Candidate Starts for Llij_14:
(Start: 1 @9482 has 43 MA's), (Start: 2 @9503 has 204 MA's), (3, 9515), (5, 9554), (6, 9581), (10, 9683), (11, 9731), (12, 9755), (26, 9797), (28, 9809), (29, 9815), (33, 9878), (34, 9893), (43, 10010), (47, 10043), (49, 10061), (51, 10085), (54, 10130), (56, 10148), (58, 10160), (61, 10217), (62, 10232), (63, 10250), (65, 10265), (66, 10268), (70, 10307), (73, 10349), (75, 10379), (77, 10385), (79, 10415), (81, 10451), (82, 10460), (83, 10472), (85, 10505), (87, 10547), (90, 10568), (91, 10580), (92, 10589), (94, 10631), (96, 10664), (99, 10706), (100, 10718), (104, 10763), (106, 10775), (116, 10826), (117, 10835), (126, 10871), (128, 10877), (132, 10889), (136, 10952), (139, 11000), (145, 11063), (146, 11066), (148, 11075), (160, 11240), (164, 11303), (165, 11318), (166, 11321), (167, 11339), (168, 11360), (169, 11378), (173, 11450), (175, 11504), (176, 11540), (177, 11546), (178, 11579), (180, 11612), (184, 11663), (186, 11696), (187, 11720), (188, 11723), (189, 11732), (191, 11777), (192, 11780), (195, 11804), (198, 11873), (199, 11879), (214, 11978), (219, 12017), (220, 12020), (227, 12050), (232, 12077), (236, 12104), (239, 12149), (255, 12272), (270, 12320), (277, 12350), (281, 12371), (286, 12437), (291, 12545), (293, 12569), (294, 12575), (296, 12590), (299, 12605), (300, 12641), (302, 12704), (303, 12707), (304, 12719), (305, 12740), (307, 12800), (313, 12980),

Gene: LordVader_15 Start: 9345, Stop: 12926, Start Num: 2
Candidate Starts for LordVader_15:
(Start: 1 @9324 has 43 MA's), (Start: 2 @9345 has 204 MA's), (3, 9357), (5, 9396), (6, 9423), (10, 9525), (12, 9597), (26, 9639), (28, 9651), (30, 9660), (33, 9720), (34, 9735), (43, 9852), (47, 9885), (49, 9903), (51, 9927), (54, 9972), (56, 9990), (58, 10002), (62, 10074), (63, 10092), (65, 10107), (66, 10110), (70, 10149), (73, 10191), (75, 10221), (77, 10227), (79, 10257), (81, 10293), (82, 10302), (83, 10314), (86, 10362), (87, 10389), (90, 10410), (92, 10431), (99, 10548), (101, 10569), (105, 10608), (112, 10650), (119, 10695), (127, 10725), (134, 10779), (138, 10833), (139, 10857), (141, 10884), (153, 10950), (160, 11061), (161, 11070), (164, 11118), (168, 11175), (169, 11193), (173, 11265), (175, 11319), (176, 11355), (177, 11361), (178, 11394), (180, 11427), (184, 11478), (186, 11511), (187, 11535), (188, 11538), (189, 11547), (191, 11592), (192, 11595), (195, 11619), (198, 11688), (199, 11694), (207, 11760), (208, 11763), (209, 11766), (211, 11784), (222, 11853), (229, 11886), (231, 11895), (241, 11976), (247, 12027), (252, 12081), (255, 12096), (263, 12150), (265, 12156), (267, 12162), (269, 12198), (279, 12282), (281, 12300), (286, 12366), (291, 12474), (293, 12498), (294, 12504), (296, 12519), (297, 12525), (300, 12570), (302, 12633), (303, 12636), (305, 12669), (306, 12708), (307, 12729), (310, 12831), (312, 12870), (313, 12912),

Gene: Lorde_15 Start: 9344, Stop: 12835, Start Num: 2
Candidate Starts for Lorde_15:
(Start: 1 @9323 has 43 MA's), (Start: 2 @9344 has 204 MA's), (3, 9356), (5, 9395), (6, 9422), (10, 9524), (11, 9572), (12, 9596), (26, 9638), (27, 9641), (28, 9650), (29, 9656), (33, 9719), (34, 9734), (43, 9851), (47, 9884), (49, 9902), (51, 9926), (54, 9971), (56, 9989), (58, 10001), (61, 10058), (62, 10073),

(63, 10091), (65, 10106), (66, 10109), (70, 10148), (73, 10190), (75, 10220), (77, 10226), (79, 10256), (81, 10292), (82, 10301), (83, 10313), (85, 10346), (87, 10388), (90, 10409), (91, 10421), (92, 10430), (94, 10472), (96, 10505), (99, 10547), (100, 10559), (104, 10604), (106, 10616), (116, 10667), (117, 10676), (126, 10712), (128, 10718), (132, 10730), (136, 10793), (139, 10841), (145, 10904), (146, 10907), (148, 10916), (160, 11081), (164, 11144), (165, 11159), (166, 11162), (167, 11180), (168, 11201), (169, 11219), (173, 11291), (175, 11345), (176, 11381), (177, 11387), (178, 11420), (180, 11453), (184, 11504), (186, 11537), (187, 11561), (188, 11564), (189, 11573), (191, 11618), (192, 11621), (195, 11645), (198, 11714), (199, 11720), (214, 11819), (219, 11858), (220, 11861), (227, 11891), (232, 11918), (236, 11945), (239, 11990), (255, 12113), (270, 12161), (277, 12191), (281, 12212), (286, 12278), (291, 12386), (293, 12410), (294, 12416), (296, 12431), (299, 12446), (300, 12482), (302, 12545), (303, 12548), (304, 12560), (305, 12581), (307, 12641), (313, 12821),

Gene: Lucia_15 Start: 9340, Stop: 13035, Start Num: 2
Candidate Starts for Lucia_15:
(Start: 1 @9319 has 43 MA's), (Start: 2 @9340 has 204 MA's), (3, 9352), (5, 9391), (6, 9418), (10, 9520), (11, 9568), (12, 9592), (26, 9634), (27, 9637), (28, 9646), (29, 9652), (33, 9715), (34, 9730), (43, 9847), (47, 9880), (49, 9898), (51, 9922), (54, 9967), (56, 9985), (58, 9997), (61, 10054), (62, 10069), (63, 10087), (65, 10102), (66, 10105), (70, 10144), (73, 10186), (75, 10216), (77, 10222), (79, 10252), (81, 10288), (82, 10297), (83, 10309), (85, 10342), (86, 10357), (87, 10384), (90, 10405), (92, 10426), (97, 10522), (98, 10531), (102, 10567), (103, 10579), (106, 10612), (109, 10633), (120, 10699), (121, 10708), (126, 10726), (137, 10828), (142, 10903), (151, 10972), (154, 11032), (156, 11044), (160, 11113), (161, 11122), (164, 11176), (165, 11191), (166, 11194), (167, 11212), (168, 11233), (169, 11251), (173, 11323), (175, 11377), (176, 11413), (177, 11419), (178, 11452), (180, 11485), (184, 11536), (186, 11569), (187, 11593), (188, 11596), (189, 11605), (191, 11650), (192, 11653), (195, 11677), (200, 11767), (217, 11914), (221, 11935), (239, 12076), (244, 12100), (246, 12127), (268, 12307), (270, 12337), (280, 12409), (287, 12496), (291, 12589), (293, 12613), (294, 12619), (296, 12634), (297, 12640), (299, 12649), (300, 12685), (302, 12748), (303, 12751), (305, 12784), (306, 12823), (307, 12844), (313, 13021),

Gene: LunaBlu_14 Start: 9507, Stop: 13037, Start Num: 2
Candidate Starts for LunaBlu_14:
(Start: 2 @9507 has 204 MA's), (3, 9519), (5, 9558), (6, 9585), (8, 9642), (10, 9687), (12, 9759), (26, 9801), (27, 9804), (28, 9813), (29, 9819), (32, 9843), (33, 9882), (34, 9897), (43, 10014), (47, 10047), (51, 10089), (54, 10134), (56, 10152), (58, 10164), (62, 10236), (65, 10269), (66, 10272), (70, 10311), (73, 10353), (75, 10383), (77, 10389), (79, 10419), (81, 10455), (82, 10464), (83, 10476), (85, 10509), (90, 10572), (96, 10668), (98, 10698), (101, 10731), (102, 10734), (103, 10746), (109, 10800), (112, 10812), (120, 10866), (121, 10875), (137, 10995), (151, 11139), (154, 11199), (156, 11211), (160, 11280), (163, 11304), (165, 11358), (166, 11361), (167, 11379), (168, 11400), (169, 11418), (175, 11544), (176, 11580), (177, 11586), (180, 11652), (184, 11703), (186, 11736), (187, 11760), (188, 11763), (189, 11772), (191, 11817), (192, 11820), (193, 11826), (195, 11844), (198, 11913), (199, 11919), (214, 12018), (232, 12117), (235, 12135), (239, 12189), (250, 12291), (255, 12315), (270, 12363), (277, 12393), (281, 12414), (286, 12480), (291, 12588), (293, 12612), (294, 12618), (296, 12633), (299, 12648), (300, 12684), (302, 12747), (303, 12750), (304, 12762), (305, 12783), (307, 12843), (313, 13023),

Gene: LunaStella_15 Start: 9943, Stop: 13467, Start Num: 2
Candidate Starts for LunaStella_15:
(Start: 2 @9943 has 204 MA's), (4, 9973), (8, 10054), (9, 10066), (11, 10114), (28, 10192), (32, 10222), (33, 10261), (34, 10276), (35, 10282), (36, 10309), (39, 10333), (41, 10384), (45, 10435), (47, 10447), (50, 10468), (51, 10489), (52, 10507), (57, 10555), (63, 10645), (64, 10651), (72, 10717), (73, 10741), (77, 10777), (78, 10786), (81, 10843), (88, 10939), (89, 10942), (90, 10951), (92, 10972), (97, 11068), (103, 11125), (105, 11149), (112, 11188), (114, 11209), (118, 11242), (122, 11260), (124, 11266), (131, 11287), (137, 11371), (140, 11425), (143, 11455), (150, 11509), (151, 11512), (155, 11584),

(157, 11620), (165, 11713), (166, 11716), (167, 11734), (168, 11755), (170, 11776), (171, 11815), (173, 11845), (174, 11860), (177, 11941), (178, 11974), (179, 11977), (181, 12016), (183, 12061), (184, 12079), (185, 12100), (187, 12136), (188, 12139), (189, 12148), (191, 12193), (192, 12196), (194, 12205), (197, 12283), (200, 12310), (201, 12316), (202, 12340), (214, 12403), (220, 12445), (227, 12475), (236, 12529), (238, 12553), (239, 12574), (255, 12697), (284, 12874), (285, 12886), (287, 12910), (292, 13018), (299, 13063), (302, 13162), (303, 13165), (306, 13237), (308, 13267), (309, 13312), (314, 13462),

Gene: MadMen_14 Start: 9515, Stop: 13195, Start Num: 2
Candidate Starts for MadMen_14:
(Start: 1 @9494 has 43 MA's), (Start: 2 @9515 has 204 MA's), (3, 9527), (5, 9566), (6, 9593), (10, 9695), (12, 9767), (26, 9809), (27, 9812), (28, 9821), (29, 9827), (33, 9890), (34, 9905), (43, 10022), (47, 10055), (49, 10073), (51, 10097), (54, 10142), (56, 10160), (58, 10172), (61, 10229), (62, 10244), (63, 10262), (65, 10277), (66, 10280), (70, 10319), (73, 10361), (75, 10391), (77, 10397), (79, 10427), (81, 10463), (82, 10472), (83, 10484), (85, 10517), (86, 10532), (87, 10559), (90, 10580), (91, 10592), (92, 10601), (97, 10697), (98, 10706), (101, 10739), (102, 10742), (103, 10754), (106, 10787), (109, 10808), (112, 10820), (121, 10883), (122, 10889), (126, 10901), (137, 11003), (154, 11207), (156, 11219), (160, 11288), (164, 11348), (165, 11363), (166, 11366), (167, 11384), (168, 11405), (169, 11423), (173, 11495), (175, 11549), (176, 11585), (177, 11591), (178, 11624), (180, 11657), (184, 11708), (186, 11741), (187, 11765), (188, 11768), (189, 11777), (191, 11822), (192, 11825), (195, 11849), (198, 11921), (199, 11927), (227, 12098), (236, 12152), (239, 12197), (257, 12356), (259, 12395), (264, 12422), (267, 12431), (268, 12437), (271, 12473), (286, 12641), (291, 12749), (293, 12773), (294, 12779), (296, 12794), (297, 12800), (299, 12809), (300, 12845), (303, 12911), (305, 12944), (306, 12983), (307, 13004), (313, 13181),

Gene: Madiba_15 Start: 9358, Stop: 12885, Start Num: 2
Candidate Starts for Madiba_15:
(Start: 1 @9337 has 43 MA's), (Start: 2 @9358 has 204 MA's), (3, 9370), (5, 9409), (6, 9436), (8, 9493), (10, 9538), (12, 9610), (28, 9664), (29, 9670), (33, 9733), (34, 9748), (43, 9865), (47, 9898), (51, 9940), (54, 9985), (56, 10003), (58, 10015), (62, 10087), (65, 10120), (66, 10123), (70, 10162), (73, 10204), (75, 10234), (77, 10240), (79, 10270), (81, 10306), (82, 10315), (83, 10327), (85, 10360), (90, 10423), (96, 10519), (98, 10549), (101, 10582), (102, 10585), (103, 10597), (109, 10651), (112, 10663), (120, 10717), (121, 10726), (137, 10846), (142, 10921), (154, 11050), (156, 11062), (160, 11131), (164, 11194), (165, 11209), (166, 11212), (167, 11230), (168, 11251), (169, 11269), (173, 11341), (175, 11395), (176, 11431), (177, 11437), (180, 11503), (184, 11554), (186, 11587), (187, 11611), (188, 11614), (189, 11623), (191, 11668), (192, 11671), (193, 11677), (195, 11695), (198, 11764), (199, 11770), (214, 11869), (219, 11908), (220, 11911), (227, 11941), (232, 11968), (236, 11995), (239, 12040), (255, 12163), (270, 12211), (277, 12241), (281, 12262), (286, 12328), (291, 12436), (293, 12460), (294, 12466), (296, 12481), (299, 12496), (300, 12532), (302, 12595), (303, 12598), (304, 12610), (305, 12631), (307, 12691), (313, 12871),

Gene: Mahavrat_14 Start: 9480, Stop: 13004, Start Num: 2
Candidate Starts for Mahavrat_14:
(Start: 1 @9459 has 43 MA's), (Start: 2 @9480 has 204 MA's), (3, 9492), (5, 9531), (6, 9558), (10, 9660), (12, 9732), (28, 9786), (29, 9792), (33, 9855), (34, 9870), (43, 9987), (47, 10020), (49, 10038), (51, 10062), (54, 10107), (56, 10125), (58, 10137), (62, 10209), (65, 10242), (66, 10245), (70, 10284), (73, 10326), (75, 10356), (77, 10362), (79, 10392), (81, 10428), (82, 10437), (83, 10449), (85, 10482), (90, 10545), (91, 10557), (92, 10566), (97, 10662), (98, 10671), (102, 10707), (103, 10719), (106, 10752), (109, 10773), (121, 10848), (122, 10854), (126, 10866), (137, 10968), (142, 11043), (154, 11172), (156, 11184), (160, 11250), (161, 11259), (164, 11313), (165, 11328), (166, 11331), (167, 11349), (168, 11370), (169, 11388), (173, 11460), (175, 11514), (176, 11550), (177, 11556), (178, 11589), (180, 11622), (184, 11673), (186, 11706), (187, 11730), (188, 11733), (189, 11742), (191, 11787), (192, 11790), (195, 11814), (198, 11883), (199, 11889), (216, 12009), (232, 12087), (235,

12105), (238, 12138), (239, 12159), (250, 12261), (255, 12285), (270, 12333), (275, 12363), (278, 12384), (286, 12450), (291, 12558), (293, 12582), (294, 12588), (296, 12603), (297, 12609), (299, 12618), (300, 12654), (302, 12717), (303, 12720), (305, 12753), (306, 12792), (307, 12813), (313, 12990),

Gene: Mandlovu_14 Start: 9467, Stop: 13123, Start Num: 1
Candidate Starts for Mandlovu_14:
(Start: 1 @9467 has 43 MA's), (Start: 2 @9488 has 204 MA's), (3, 9500), (5, 9539), (6, 9566), (10, 9668), (12, 9740), (26, 9782), (28, 9794), (29, 9800), (33, 9863), (34, 9878), (43, 9995), (47, 10028), (49, 10046), (51, 10070), (54, 10115), (56, 10133), (58, 10145), (61, 10202), (62, 10217), (63, 10235), (65, 10250), (66, 10253), (70, 10292), (73, 10334), (75, 10364), (77, 10370), (79, 10400), (80, 10424), (81, 10436), (82, 10445), (83, 10457), (85, 10490), (86, 10505), (87, 10532), (90, 10553), (91, 10565), (92, 10574), (97, 10670), (98, 10679), (101, 10712), (102, 10715), (103, 10727), (106, 10760), (109, 10781), (112, 10793), (121, 10856), (122, 10862), (126, 10874), (137, 10976), (154, 11180), (156, 11192), (160, 11258), (161, 11267), (164, 11321), (165, 11336), (166, 11339), (167, 11357), (168, 11378), (169, 11396), (173, 11468), (175, 11522), (176, 11558), (177, 11564), (178, 11597), (180, 11630), (184, 11681), (186, 11714), (187, 11738), (188, 11741), (189, 11750), (191, 11795), (192, 11798), (195, 11822), (198, 11894), (199, 11900), (207, 11966), (208, 11969), (209, 11972), (211, 11990), (213, 12002), (222, 12059), (229, 12092), (234, 12119), (240, 12179), (241, 12182), (245, 12224), (247, 12233), (252, 12287), (254, 12293), (255, 12302), (263, 12356), (265, 12362), (267, 12368), (269, 12404), (281, 12500), (286, 12566), (291, 12674), (293, 12698), (294, 12704), (296, 12719), (299, 12734), (300, 12770), (302, 12833), (303, 12836), (305, 12869), (307, 12929), (313, 13109),

Gene: Mantra_14 Start: 9503, Stop: 13135, Start Num: 2
Candidate Starts for Mantra_14:
(Start: 1 @9482 has 43 MA's), (Start: 2 @9503 has 204 MA's), (3, 9515), (5, 9554), (6, 9581), (10, 9683), (11, 9731), (12, 9755), (26, 9797), (27, 9800), (28, 9809), (29, 9815), (33, 9878), (34, 9893), (43, 10010), (47, 10043), (49, 10061), (51, 10085), (54, 10130), (56, 10148), (58, 10160), (62, 10232), (65, 10265), (66, 10268), (70, 10307), (73, 10349), (75, 10379), (77, 10385), (79, 10415), (81, 10451), (82, 10460), (83, 10472), (85, 10505), (87, 10547), (90, 10568), (91, 10580), (92, 10589), (94, 10631), (96, 10664), (99, 10706), (100, 10718), (104, 10763), (106, 10775), (116, 10826), (117, 10835), (125, 10868), (126, 10871), (128, 10877), (132, 10889), (136, 10952), (145, 11063), (146, 11066), (148, 11075), (160, 11240), (164, 11300), (165, 11315), (166, 11318), (167, 11336), (168, 11357), (169, 11375), (173, 11447), (175, 11501), (176, 11537), (177, 11543), (178, 11576), (180, 11609), (184, 11660), (186, 11693), (187, 11717), (188, 11720), (189, 11729), (191, 11774), (192, 11777), (195, 11801), (198, 11870), (199, 11876), (227, 12047), (236, 12101), (239, 12146), (257, 12305), (259, 12344), (265, 12368), (267, 12374), (268, 12380), (271, 12416), (286, 12581), (291, 12689), (293, 12713), (294, 12719), (296, 12734), (297, 12740), (299, 12749), (300, 12785), (302, 12848), (303, 12851), (305, 12884), (306, 12923), (307, 12944), (313, 13121),

Gene: Maravista_14 Start: 9480, Stop: 12971, Start Num: 2
Candidate Starts for Maravista_14:
(Start: 1 @9459 has 43 MA's), (Start: 2 @9480 has 204 MA's), (3, 9492), (5, 9531), (6, 9558), (10, 9660), (11, 9708), (12, 9732), (28, 9786), (29, 9792), (33, 9855), (34, 9870), (43, 9987), (47, 10020), (49, 10038), (51, 10062), (54, 10107), (56, 10125), (58, 10137), (62, 10209), (65, 10242), (66, 10245), (70, 10284), (73, 10326), (75, 10356), (77, 10362), (79, 10392), (81, 10428), (82, 10437), (83, 10449), (85, 10482), (86, 10497), (87, 10524), (90, 10545), (91, 10557), (92, 10566), (94, 10608), (96, 10641), (99, 10683), (100, 10695), (104, 10740), (106, 10752), (116, 10803), (117, 10812), (126, 10848), (128, 10854), (132, 10866), (136, 10929), (139, 10977), (145, 11040), (146, 11043), (148, 11052), (160, 11217), (164, 11280), (165, 11295), (166, 11298), (167, 11316), (168, 11337), (169, 11355), (173, 11427), (175, 11481), (176, 11517), (177, 11523), (178, 11556), (180, 11589), (184, 11640), (186, 11673), (187, 11697), (188, 11700), (189, 11709), (191, 11754), (192, 11757), (193, 11763), (195,

11781), (198, 11850), (199, 11856), (214, 11955), (219, 11994), (220, 11997), (227, 12027), (236, 12081), (239, 12126), (255, 12249), (270, 12297), (277, 12327), (281, 12348), (286, 12414), (291, 12522), (293, 12546), (294, 12552), (296, 12567), (299, 12582), (300, 12618), (302, 12681), (303, 12684), (304, 12696), (305, 12717), (307, 12777), (313, 12957),

Gene: Marker_15 Start: 9330, Stop: 12875, Start Num: 1
Candidate Starts for Marker_15:
(Start: 1 @9330 has 43 MA's), (Start: 2 @9351 has 204 MA's), (3, 9363), (5, 9402), (6, 9429), (8, 9486), (10, 9531), (12, 9603), (27, 9648), (28, 9657), (29, 9663), (33, 9726), (34, 9741), (43, 9858), (47, 9891), (51, 9933), (54, 9978), (56, 9996), (58, 10008), (62, 10080), (65, 10113), (66, 10116), (70, 10155), (73, 10197), (75, 10227), (77, 10233), (79, 10263), (81, 10299), (82, 10308), (83, 10320), (87, 10395), (90, 10416), (91, 10428), (92, 10437), (96, 10512), (97, 10533), (98, 10542), (102, 10578), (103, 10590), (106, 10623), (109, 10644), (121, 10719), (126, 10737), (130, 10749), (137, 10839), (151, 10983), (154, 11043), (156, 11055), (160, 11124), (163, 11148), (164, 11184), (165, 11199), (166, 11202), (168, 11241), (169, 11259), (173, 11331), (175, 11385), (176, 11421), (177, 11427), (180, 11493), (184, 11544), (186, 11577), (187, 11601), (188, 11604), (189, 11613), (191, 11658), (192, 11661), (193, 11667), (195, 11685), (198, 11754), (199, 11760), (214, 11859), (219, 11898), (220, 11901), (227, 11931), (232, 11958), (236, 11985), (239, 12030), (255, 12153), (270, 12201), (277, 12231), (281, 12252), (286, 12318), (291, 12426), (293, 12450), (294, 12456), (296, 12471), (299, 12486), (300, 12522), (302, 12585), (303, 12588), (304, 12600), (305, 12621), (307, 12681), (313, 12861),

Gene: Martik_14 Start: 9492, Stop: 13019, Start Num: 2
Candidate Starts for Martik_14:
(Start: 1 @9471 has 43 MA's), (Start: 2 @9492 has 204 MA's), (3, 9504), (5, 9543), (6, 9570), (10, 9672), (11, 9720), (12, 9744), (28, 9798), (29, 9804), (33, 9867), (34, 9882), (43, 9999), (47, 10032), (49, 10050), (51, 10074), (54, 10119), (56, 10137), (58, 10149), (62, 10221), (65, 10254), (66, 10257), (70, 10296), (73, 10338), (75, 10368), (77, 10374), (79, 10404), (81, 10440), (82, 10449), (83, 10461), (85, 10494), (86, 10509), (87, 10536), (90, 10557), (91, 10569), (92, 10578), (97, 10674), (98, 10683), (102, 10719), (103, 10731), (106, 10764), (109, 10785), (121, 10860), (126, 10878), (137, 10980), (142, 11055), (154, 11184), (156, 11196), (160, 11265), (164, 11328), (165, 11343), (166, 11346), (167, 11364), (168, 11385), (169, 11403), (173, 11475), (175, 11529), (176, 11565), (177, 11571), (180, 11637), (184, 11688), (186, 11721), (187, 11745), (188, 11748), (189, 11757), (191, 11802), (192, 11805), (193, 11811), (195, 11829), (198, 11898), (199, 11904), (214, 12003), (219, 12042), (220, 12045), (227, 12075), (236, 12129), (239, 12174), (255, 12297), (270, 12345), (277, 12375), (281, 12396), (286, 12462), (288, 12486), (291, 12570), (293, 12594), (294, 12600), (296, 12615), (299, 12630), (300, 12666), (302, 12729), (303, 12732), (304, 12744), (305, 12765), (307, 12825), (313, 13005),

Gene: Mattes_14 Start: 9483, Stop: 13010, Start Num: 2
Candidate Starts for Mattes_14:
(Start: 1 @9462 has 43 MA's), (Start: 2 @9483 has 204 MA's), (3, 9495), (5, 9534), (6, 9561), (10, 9663), (11, 9711), (12, 9735), (28, 9789), (29, 9795), (33, 9858), (34, 9873), (43, 9990), (47, 10023), (49, 10041), (51, 10065), (54, 10110), (56, 10128), (58, 10140), (62, 10212), (65, 10245), (66, 10248), (70, 10287), (73, 10329), (75, 10359), (77, 10365), (79, 10395), (81, 10431), (82, 10440), (83, 10452), (85, 10485), (86, 10500), (87, 10527), (90, 10548), (91, 10560), (92, 10569), (97, 10665), (98, 10674), (102, 10710), (103, 10722), (106, 10755), (109, 10776), (121, 10851), (126, 10869), (137, 10971), (142, 11046), (154, 11175), (156, 11187), (160, 11256), (164, 11319), (165, 11334), (166, 11337), (167, 11355), (168, 11376), (169, 11394), (173, 11466), (175, 11520), (176, 11556), (177, 11562), (180, 11628), (184, 11679), (186, 11712), (187, 11736), (188, 11739), (189, 11748), (191, 11793), (192, 11796), (193, 11802), (195, 11820), (198, 11889), (199, 11895), (214, 11994), (219, 12033), (220, 12036), (227, 12066), (236, 12120), (239, 12165), (255, 12288), (270, 12336), (277, 12366), (281, 12387), (286, 12453), (288, 12477), (291, 12561), (293, 12585), (294, 12591), (296, 12606),

(299, 12621), (300, 12657), (302, 12720), (303, 12723), (304, 12735), (305, 12756), (307, 12816), (313, 12996),

Gene: Medindi_14 Start: 9521, Stop: 13006, Start Num: 2
Candidate Starts for Medindi_14:
(Start: 2 @9521 has 204 MA's), (3, 9533), (5, 9572), (6, 9599), (8, 9656), (10, 9701), (12, 9773), (26, 9815), (27, 9818), (28, 9827), (29, 9833), (33, 9896), (34, 9911), (43, 10028), (47, 10061), (51, 10103), (54, 10148), (56, 10166), (58, 10178), (62, 10250), (65, 10283), (66, 10286), (70, 10325), (73, 10367), (75, 10397), (77, 10403), (79, 10433), (81, 10469), (82, 10478), (83, 10490), (90, 10586), (94, 10649), (99, 10724), (104, 10781), (106, 10793), (112, 10814), (116, 10844), (125, 10886), (126, 10889), (128, 10895), (132, 10907), (146, 11084), (148, 11093), (158, 11240), (160, 11255), (163, 11279), (164, 11315), (165, 11330), (166, 11333), (167, 11351), (168, 11372), (169, 11390), (173, 11462), (175, 11516), (176, 11552), (177, 11558), (180, 11624), (184, 11675), (186, 11708), (187, 11732), (188, 11735), (189, 11744), (191, 11789), (192, 11792), (193, 11798), (195, 11816), (198, 11885), (199, 11891), (214, 11990), (219, 12029), (220, 12032), (227, 12062), (232, 12089), (236, 12116), (239, 12161), (255, 12284), (270, 12332), (277, 12362), (281, 12383), (286, 12449), (291, 12557), (293, 12581), (294, 12587), (296, 12602), (299, 12617), (300, 12653), (302, 12716), (303, 12719), (304, 12731), (305, 12752), (307, 12812), (313, 12992),

Gene: Melissauren88_14 Start: 9532, Stop: 13056, Start Num: 2
Candidate Starts for Melissauren88_14:
(Start: 2 @9532 has 204 MA's), (3, 9544), (5, 9583), (6, 9610), (8, 9667), (10, 9712), (12, 9784), (26, 9826), (27, 9829), (28, 9838), (29, 9844), (33, 9907), (34, 9922), (43, 10039), (47, 10072), (51, 10114), (54, 10159), (56, 10177), (58, 10189), (62, 10261), (65, 10294), (66, 10297), (70, 10336), (73, 10378), (75, 10408), (77, 10414), (79, 10444), (81, 10480), (82, 10489), (83, 10501), (90, 10597), (96, 10693), (98, 10723), (101, 10756), (102, 10759), (103, 10771), (109, 10825), (112, 10837), (120, 10891), (121, 10900), (137, 11020), (151, 11164), (154, 11224), (156, 11236), (160, 11305), (163, 11329), (165, 11380), (166, 11383), (168, 11422), (169, 11440), (175, 11566), (176, 11602), (177, 11608), (180, 11674), (184, 11725), (186, 11758), (187, 11782), (188, 11785), (189, 11794), (191, 11839), (192, 11842), (193, 11848), (195, 11866), (198, 11935), (199, 11941), (214, 12040), (219, 12079), (220, 12082), (227, 12112), (232, 12139), (236, 12166), (239, 12211), (255, 12334), (270, 12382), (277, 12412), (281, 12433), (286, 12499), (291, 12607), (293, 12631), (294, 12637), (296, 12652), (299, 12667), (300, 12703), (302, 12766), (303, 12769), (304, 12781), (305, 12802), (307, 12862), (313, 13042),

Gene: MilanaBonita_15 Start: 10181, Stop: 13708, Start Num: 2
Candidate Starts for MilanaBonita_15:
(Start: 1 @10160 has 43 MA's), (Start: 2 @10181 has 204 MA's), (3, 10193), (5, 10232), (6, 10259), (8, 10316), (10, 10361), (12, 10433), (28, 10487), (29, 10493), (33, 10556), (34, 10571), (43, 10688), (47, 10721), (51, 10763), (54, 10808), (56, 10826), (58, 10838), (62, 10910), (65, 10943), (66, 10946), (70, 10985), (73, 11027), (75, 11057), (77, 11063), (79, 11093), (81, 11129), (82, 11138), (83, 11150), (85, 11183), (90, 11246), (96, 11342), (98, 11372), (101, 11405), (102, 11408), (103, 11420), (109, 11474), (112, 11486), (120, 11540), (121, 11549), (137, 11669), (151, 11813), (154, 11873), (156, 11885), (160, 11954), (163, 11978), (164, 12017), (165, 12032), (166, 12035), (168, 12074), (169, 12092), (173, 12164), (175, 12218), (176, 12254), (177, 12260), (180, 12326), (184, 12377), (186, 12410), (187, 12434), (188, 12437), (189, 12446), (191, 12491), (192, 12494), (193, 12500), (195, 12518), (198, 12587), (199, 12593), (214, 12692), (219, 12731), (220, 12734), (227, 12764), (232, 12791), (236, 12818), (239, 12863), (255, 12986), (270, 13034), (277, 13064), (281, 13085), (286, 13151), (291, 13259), (293, 13283), (294, 13289), (296, 13304), (299, 13319), (300, 13355), (302, 13418), (303, 13421), (304, 13433), (305, 13454), (307, 13514), (313, 13694),

Gene: MilleniumForce_15 Start: 10178, Stop: 13825, Start Num: 2
Candidate Starts for MilleniumForce_15:

(Start: 2 @10178 has 204 MA's), (3, 10190), (5, 10229), (6, 10256), (8, 10313), (10, 10358), (12, 10430), (26, 10472), (27, 10475), (28, 10484), (29, 10490), (33, 10553), (34, 10568), (43, 10685), (47, 10718), (51, 10760), (54, 10805), (56, 10823), (58, 10835), (62, 10907), (65, 10940), (66, 10943), (70, 10982), (73, 11024), (75, 11054), (77, 11060), (79, 11090), (81, 11126), (82, 11135), (83, 11147), (85, 11180), (90, 11243), (96, 11339), (98, 11369), (101, 11402), (102, 11405), (103, 11417), (109, 11471), (112, 11483), (120, 11537), (121, 11546), (137, 11666), (151, 11810), (154, 11870), (156, 11882), (160, 11951), (163, 11975), (165, 12029), (166, 12032), (167, 12050), (168, 12071), (169, 12089), (173, 12161), (175, 12215), (176, 12251), (177, 12257), (180, 12323), (184, 12374), (186, 12407), (187, 12431), (188, 12434), (189, 12443), (191, 12488), (192, 12491), (193, 12497), (195, 12515), (198, 12584), (199, 12590), (207, 12656), (208, 12659), (209, 12662), (211, 12680), (213, 12692), (220, 12740), (222, 12749), (229, 12782), (234, 12809), (241, 12872), (247, 12923), (252, 12977), (255, 12992), (261, 13046), (265, 13055), (267, 13061), (269, 13097), (273, 13124), (281, 13202), (286, 13268), (291, 13376), (293, 13400), (294, 13406), (296, 13421), (299, 13436), (300, 13472), (302, 13535), (303, 13538), (304, 13550), (305, 13571), (307, 13631), (313, 13811),

Gene: MinionDave_15 Start: 10182, Stop: 13709, Start Num: 2
Candidate Starts for MinionDave_15:
(Start: 2 @10182 has 204 MA's), (3, 10194), (5, 10233), (6, 10260), (8, 10317), (10, 10362), (12, 10434), (28, 10488), (29, 10494), (32, 10518), (33, 10557), (34, 10572), (43, 10689), (47, 10722), (51, 10764), (54, 10809), (56, 10827), (58, 10839), (62, 10911), (65, 10944), (66, 10947), (70, 10986), (73, 11028), (75, 11058), (77, 11064), (79, 11094), (81, 11130), (82, 11139), (83, 11151), (85, 11184), (90, 11247), (96, 11343), (98, 11373), (101, 11406), (102, 11409), (103, 11421), (109, 11475), (112, 11487), (120, 11541), (121, 11550), (137, 11670), (151, 11814), (154, 11874), (156, 11886), (160, 11955), (163, 11979), (165, 12033), (166, 12036), (167, 12054), (168, 12075), (169, 12093), (173, 12165), (175, 12219), (176, 12255), (177, 12261), (180, 12327), (184, 12378), (186, 12411), (187, 12435), (188, 12438), (189, 12447), (191, 12492), (192, 12495), (193, 12501), (195, 12519), (198, 12588), (199, 12594), (214, 12693), (219, 12732), (220, 12735), (227, 12765), (232, 12792), (239, 12864), (242, 12876), (250, 12963), (255, 12987), (270, 13035), (277, 13065), (281, 13086), (286, 13152), (291, 13260), (293, 13284), (294, 13290), (296, 13305), (299, 13320), (300, 13356), (302, 13419), (303, 13422), (304, 13434), (305, 13455), (307, 13515), (313, 13695),

Gene: Minnie_15 Start: 10042, Stop: 13554, Start Num: 2
Candidate Starts for Minnie_15:
(Start: 2 @10042 has 204 MA's), (5, 10093), (6, 10120), (10, 10222), (11, 10270), (12, 10294), (26, 10336), (27, 10339), (28, 10348), (29, 10354), (33, 10417), (34, 10432), (37, 10474), (40, 10534), (42, 10549), (46, 10600), (47, 10603), (48, 10612), (52, 10663), (53, 10678), (57, 10711), (59, 10741), (64, 10807), (73, 10894), (74, 10897), (82, 11005), (85, 11050), (91, 11116), (92, 11125), (96, 11200), (97, 11221), (98, 11230), (101, 11263), (102, 11266), (103, 11278), (109, 11332), (112, 11344), (120, 11398), (121, 11407), (130, 11437), (137, 11527), (151, 11671), (154, 11731), (156, 11743), (164, 11863), (165, 11878), (166, 11881), (167, 11899), (168, 11920), (169, 11938), (173, 12010), (175, 12064), (176, 12100), (177, 12106), (180, 12172), (184, 12223), (186, 12256), (187, 12280), (188, 12283), (189, 12292), (191, 12337), (192, 12340), (193, 12346), (195, 12364), (198, 12433), (199, 12439), (214, 12538), (219, 12577), (220, 12580), (227, 12610), (232, 12637), (236, 12664), (239, 12709), (255, 12832), (270, 12880), (275, 12910), (281, 12931), (286, 12997), (291, 13105), (293, 13129), (294, 13135), (296, 13150), (299, 13165), (300, 13201), (302, 13264), (303, 13267), (304, 13279), (305, 13300), (307, 13360), (313, 13540),

Gene: Misha28_15 Start: 9353, Stop: 12883, Start Num: 2
Candidate Starts for Misha28_15:
(Start: 1 @9332 has 43 MA's), (Start: 2 @9353 has 204 MA's), (3, 9365), (5, 9404), (6, 9431), (10, 9533), (12, 9605), (26, 9647), (28, 9659), (29, 9665), (33, 9728), (34, 9743), (43, 9860), (47, 9893), (49, 9911), (51, 9935), (54, 9980), (56, 9998), (58, 10010), (61, 10067), (62, 10082), (63, 10100), (65, 10115), (66, 10118), (70, 10157), (73, 10199), (75, 10229), (77, 10235), (79, 10265), (81, 10301), (82,

10310), (83, 10322), (85, 10355), (86, 10370), (87, 10397), (90, 10418), (92, 10439), (97, 10535), (98, 10544), (102, 10580), (103, 10592), (106, 10625), (109, 10646), (121, 10721), (122, 10727), (126, 10739), (137, 10841), (142, 10916), (154, 11045), (156, 11057), (160, 11126), (161, 11135), (164, 11186), (165, 11201), (166, 11204), (167, 11222), (168, 11243), (169, 11261), (173, 11333), (175, 11387), (176, 11423), (177, 11429), (180, 11495), (184, 11546), (186, 11579), (187, 11603), (188, 11606), (189, 11615), (191, 11660), (192, 11663), (195, 11687), (198, 11759), (199, 11765), (232, 11963), (235, 11981), (238, 12014), (239, 12035), (250, 12137), (255, 12161), (270, 12209), (278, 12260), (286, 12326), (291, 12434), (293, 12458), (294, 12464), (296, 12479), (297, 12485), (299, 12494), (300, 12530), (302, 12593), (303, 12596), (304, 12608), (305, 12629), (306, 12668), (307, 12689), (313, 12869),

Gene: MisterCuddles_14 Start: 9496, Stop: 12981, Start Num: 2
Candidate Starts for MisterCuddles_14:
(Start: 1 @9475 has 43 MA's), (Start: 2 @9496 has 204 MA's), (3, 9508), (5, 9547), (6, 9574), (8, 9631), (10, 9676), (11, 9724), (12, 9748), (28, 9802), (29, 9808), (33, 9871), (34, 9886), (43, 10003), (47, 10036), (51, 10078), (54, 10123), (56, 10141), (58, 10153), (62, 10225), (65, 10258), (66, 10261), (70, 10300), (73, 10342), (75, 10372), (77, 10378), (79, 10408), (81, 10444), (82, 10453), (83, 10465), (90, 10561), (94, 10624), (99, 10699), (104, 10756), (106, 10768), (112, 10789), (116, 10819), (125, 10861), (126, 10864), (128, 10870), (132, 10882), (148, 11068), (158, 11215), (160, 11230), (163, 11254), (165, 11308), (166, 11311), (168, 11350), (169, 11368), (173, 11440), (175, 11494), (176, 11530), (177, 11536), (180, 11602), (184, 11653), (186, 11686), (187, 11710), (188, 11713), (189, 11722), (191, 11767), (192, 11770), (193, 11776), (195, 11794), (198, 11863), (199, 11869), (214, 11968), (219, 12007), (220, 12010), (227, 12040), (232, 12067), (236, 12094), (239, 12139), (255, 12262), (270, 12310), (277, 12340), (281, 12361), (286, 12427), (291, 12535), (293, 12559), (294, 12565), (296, 12580), (299, 12595), (300, 12631), (302, 12694), (303, 12697), (305, 12730), (306, 12769), (307, 12790), (313, 12967),

Gene: Modragons_14 Start: 9489, Stop: 13247, Start Num: 2
Candidate Starts for Modragons_14:
(Start: 1 @9468 has 43 MA's), (Start: 2 @9489 has 204 MA's), (3, 9501), (5, 9540), (6, 9567), (10, 9669), (14, 9786), (16, 9834), (17, 9843), (18, 9888), (19, 9921), (20, 9930), (22, 9945), (23, 9954), (26, 10014), (27, 10017), (28, 10026), (29, 10032), (33, 10095), (34, 10110), (43, 10227), (47, 10260), (49, 10278), (51, 10302), (54, 10347), (56, 10365), (58, 10377), (61, 10434), (62, 10449), (65, 10482), (66, 10485), (70, 10524), (73, 10566), (75, 10596), (77, 10602), (79, 10632), (81, 10668), (82, 10677), (83, 10689), (85, 10722), (86, 10737), (90, 10785), (92, 10806), (97, 10902), (98, 10911), (102, 10947), (103, 10959), (106, 10992), (109, 11013), (112, 11025), (121, 11088), (122, 11094), (126, 11106), (137, 11208), (142, 11283), (154, 11412), (156, 11424), (160, 11493), (161, 11502), (164, 11553), (165, 11568), (166, 11571), (167, 11589), (168, 11610), (169, 11628), (173, 11700), (175, 11754), (176, 11790), (177, 11796), (178, 11829), (180, 11862), (184, 11913), (186, 11946), (187, 11970), (188, 11973), (189, 11982), (191, 12027), (192, 12030), (195, 12054), (198, 12126), (199, 12132), (205, 12180), (214, 12231), (219, 12270), (220, 12273), (227, 12303), (232, 12330), (236, 12357), (239, 12402), (242, 12414), (250, 12501), (255, 12525), (270, 12573), (281, 12624), (286, 12690), (291, 12798), (293, 12822), (294, 12828), (296, 12843), (297, 12849), (299, 12858), (300, 12894), (302, 12957), (303, 12960), (305, 12993), (306, 13032), (307, 13053), (313, 13233),

Gene: Moonbeam_15 Start: 10033, Stop: 13518, Start Num: 2
Candidate Starts for Moonbeam_15:
(Start: 2 @10033 has 204 MA's), (5, 10084), (6, 10111), (10, 10213), (11, 10261), (12, 10285), (28, 10339), (29, 10345), (33, 10408), (34, 10423), (43, 10540), (47, 10573), (49, 10591), (51, 10615), (54, 10660), (56, 10678), (62, 10762), (65, 10795), (66, 10798), (70, 10837), (73, 10879), (75, 10909), (77, 10915), (79, 10945), (81, 10981), (82, 10990), (83, 11002), (85, 11035), (87, 11077), (90, 11098), (92, 11119), (94, 11161), (96, 11194), (99, 11236), (100, 11248), (104, 11293), (106, 11305), (116, 11356), (117, 11365), (125, 11398), (126, 11401), (128, 11407), (132, 11419), (136, 11482), (145, 11593),

(146, 11596), (148, 11605), (160, 11770), (164, 11830), (165, 11845), (166, 11848), (167, 11866), (168, 11887), (169, 11905), (173, 11977), (175, 12031), (176, 12067), (177, 12073), (180, 12139), (184, 12190), (186, 12223), (187, 12247), (188, 12250), (189, 12259), (191, 12304), (192, 12307), (193, 12313), (195, 12331), (198, 12400), (199, 12406), (214, 12505), (232, 12604), (235, 12622), (239, 12676), (242, 12688), (250, 12775), (255, 12799), (270, 12844), (277, 12874), (281, 12895), (286, 12961), (291, 13069), (293, 13093), (294, 13099), (296, 13114), (299, 13129), (300, 13165), (302, 13228), (303, 13231), (304, 13243), (305, 13264), (307, 13324), (313, 13504),

Gene: Mova_15 Start: 9325, Stop: 12876, Start Num: 1
Candidate Starts for Mova_15:
(Start: 1 @9325 has 43 MA's), (Start: 2 @9346 has 204 MA's), (3, 9358), (5, 9397), (6, 9424), (10, 9526), (12, 9598), (26, 9640), (27, 9643), (28, 9652), (29, 9658), (33, 9721), (34, 9736), (43, 9853), (47, 9886), (51, 9928), (54, 9973), (56, 9991), (58, 10003), (62, 10075), (65, 10108), (66, 10111), (70, 10150), (73, 10192), (75, 10222), (77, 10228), (79, 10258), (81, 10294), (82, 10303), (83, 10315), (85, 10348), (86, 10363), (90, 10411), (91, 10423), (97, 10528), (98, 10537), (102, 10573), (103, 10585), (106, 10618), (109, 10639), (121, 10714), (126, 10732), (137, 10834), (154, 11038), (156, 11050), (160, 11119), (163, 11143), (165, 11200), (166, 11203), (167, 11221), (168, 11242), (169, 11260), (173, 11332), (175, 11386), (176, 11422), (177, 11428), (180, 11494), (184, 11545), (186, 11578), (187, 11602), (188, 11605), (189, 11614), (191, 11659), (192, 11662), (193, 11668), (195, 11686), (198, 11755), (199, 11761), (214, 11860), (216, 11881), (232, 11959), (235, 11977), (239, 12031), (242, 12043), (250, 12130), (255, 12154), (270, 12202), (277, 12232), (281, 12253), (286, 12319), (291, 12427), (293, 12451), (294, 12457), (296, 12472), (299, 12487), (300, 12523), (302, 12586), (303, 12589), (304, 12601), (305, 12622), (307, 12682), (313, 12862),

Gene: Mozy_15 Start: 9379, Stop: 12909, Start Num: 2
Candidate Starts for Mozy_15:
(Start: 1 @9358 has 43 MA's), (Start: 2 @9379 has 204 MA's), (3, 9391), (5, 9430), (6, 9457), (8, 9514), (10, 9559), (12, 9631), (28, 9685), (29, 9691), (32, 9715), (33, 9754), (34, 9769), (43, 9886), (47, 9919), (51, 9961), (54, 10006), (56, 10024), (58, 10036), (62, 10108), (65, 10141), (66, 10144), (70, 10183), (73, 10225), (75, 10255), (77, 10261), (79, 10291), (81, 10327), (82, 10336), (83, 10348), (87, 10423), (90, 10444), (96, 10540), (97, 10561), (98, 10570), (101, 10603), (102, 10606), (103, 10618), (109, 10672), (112, 10684), (120, 10738), (121, 10747), (130, 10777), (137, 10867), (151, 11011), (154, 11071), (156, 11083), (160, 11152), (163, 11176), (164, 11218), (165, 11233), (166, 11236), (167, 11254), (168, 11275), (169, 11293), (175, 11419), (176, 11455), (177, 11461), (180, 11527), (184, 11578), (186, 11611), (187, 11635), (188, 11638), (189, 11647), (191, 11692), (192, 11695), (193, 11701), (195, 11719), (199, 11794), (214, 11893), (220, 11935), (227, 11965), (236, 12019), (238, 12043), (239, 12064), (255, 12187), (270, 12235), (277, 12265), (281, 12286), (286, 12352), (291, 12460), (293, 12484), (294, 12490), (296, 12505), (299, 12520), (300, 12556), (302, 12619), (303, 12622), (304, 12634), (305, 12655), (307, 12715), (313, 12895),

Gene: Ms6_14 Start: 9532, Stop: 13020, Start Num: 2
Candidate Starts for Ms6_14:
(Start: 2 @9532 has 204 MA's), (3, 9544), (5, 9583), (6, 9610), (8, 9667), (10, 9712), (12, 9784), (26, 9826), (27, 9829), (28, 9838), (29, 9844), (33, 9907), (34, 9922), (43, 10039), (47, 10072), (51, 10114), (54, 10159), (56, 10177), (58, 10189), (62, 10261), (65, 10294), (66, 10297), (70, 10336), (73, 10378), (75, 10408), (77, 10414), (79, 10444), (81, 10480), (82, 10489), (83, 10501), (85, 10534), (90, 10597), (94, 10660), (99, 10735), (104, 10792), (106, 10804), (112, 10825), (116, 10855), (125, 10897), (126, 10900), (128, 10906), (132, 10918), (146, 11095), (148, 11104), (158, 11251), (160, 11266), (163, 11290), (165, 11341), (166, 11344), (168, 11383), (169, 11401), (175, 11527), (176, 11563), (177, 11569), (180, 11635), (184, 11686), (186, 11719), (187, 11743), (188, 11746), (189, 11755), (191, 11800), (192, 11803), (193, 11809), (195, 11827), (198, 11896), (199, 11902), (214, 12001), (232, 12100), (235, 12118), (239, 12172), (250, 12274), (255, 12298), (270, 12346), (277, 12376), (281, 12397), (286, 12463), (291, 12571), (293, 12595), (294, 12601), (296, 12616), (299, 12631), (300,

12667), (302, 12730), (303, 12733), (304, 12745), (305, 12766), (307, 12826), (313, 13006),

Gene: MulchExplorer_15 Start: 9324, Stop: 12830, Start Num: 1
Candidate Starts for MulchExplorer_15:
(Start: 1 @9324 has 43 MA's), (Start: 2 @9345 has 204 MA's), (3, 9357), (5, 9396), (6, 9423), (10, 9525), (11, 9573), (12, 9597), (26, 9639), (27, 9642), (28, 9651), (29, 9657), (33, 9720), (34, 9735), (43, 9852), (47, 9885), (49, 9903), (51, 9927), (54, 9972), (56, 9990), (58, 10002), (61, 10059), (62, 10074), (63, 10092), (65, 10107), (66, 10110), (70, 10149), (72, 10167), (73, 10191), (75, 10221), (77, 10227), (79, 10257), (81, 10293), (82, 10302), (83, 10314), (85, 10347), (86, 10362), (87, 10389), (90, 10410), (91, 10422), (92, 10431), (94, 10473), (96, 10506), (99, 10548), (100, 10560), (104, 10605), (106, 10617), (116, 10668), (117, 10677), (125, 10710), (126, 10713), (128, 10719), (132, 10731), (136, 10794), (139, 10842), (145, 10905), (146, 10908), (148, 10917), (160, 11082), (161, 11091), (164, 11142), (165, 11157), (166, 11160), (167, 11178), (168, 11199), (169, 11217), (173, 11289), (175, 11343), (176, 11379), (177, 11385), (178, 11418), (180, 11451), (184, 11502), (186, 11535), (187, 11559), (188, 11562), (189, 11571), (191, 11616), (192, 11619), (195, 11643), (198, 11712), (199, 11718), (227, 11889), (236, 11943), (239, 11988), (255, 12111), (270, 12159), (277, 12189), (281, 12210), (286, 12276), (288, 12300), (291, 12384), (293, 12408), (294, 12414), (296, 12429), (297, 12435), (299, 12444), (300, 12480), (302, 12543), (303, 12546), (305, 12579), (306, 12618), (307, 12639), (313, 12816),

Gene: MulchSalad_14 Start: 9503, Stop: 12931, Start Num: 2
Candidate Starts for MulchSalad_14:
(Start: 1 @9482 has 43 MA's), (Start: 2 @9503 has 204 MA's), (3, 9515), (5, 9554), (6, 9581), (8, 9638), (10, 9683), (12, 9755), (26, 9797), (28, 9809), (29, 9815), (33, 9878), (34, 9893), (40, 9995), (46, 10061), (47, 10064), (48, 10073), (52, 10124), (53, 10139), (57, 10172), (59, 10202), (60, 10214), (64, 10268), (67, 10289), (68, 10304), (71, 10325), (73, 10355), (74, 10358), (82, 10466), (85, 10511), (91, 10577), (92, 10586), (98, 10691), (99, 10703), (102, 10727), (108, 10784), (111, 10802), (122, 10877), (129, 10898), (152, 11075), (164, 11240), (165, 11255), (166, 11258), (167, 11276), (168, 11297), (169, 11315), (175, 11441), (176, 11477), (177, 11483), (180, 11549), (184, 11600), (186, 11633), (187, 11657), (188, 11660), (189, 11669), (191, 11714), (192, 11717), (195, 11741), (198, 11807), (199, 11813), (214, 11912), (216, 11933), (232, 12011), (235, 12029), (238, 12062), (239, 12083), (250, 12185), (255, 12209), (270, 12257), (275, 12287), (281, 12308), (286, 12374), (291, 12482), (293, 12506), (294, 12512), (296, 12527), (299, 12542), (300, 12578), (302, 12641), (303, 12644), (305, 12677), (307, 12737), (313, 12917),

Gene: Mutaforma13_14 Start: 9530, Stop: 13057, Start Num: 2
Candidate Starts for Mutaforma13_14:
(Start: 1 @9509 has 43 MA's), (Start: 2 @9530 has 204 MA's), (3, 9542), (5, 9581), (6, 9608), (8, 9665), (10, 9710), (12, 9782), (28, 9836), (29, 9842), (33, 9905), (34, 9920), (43, 10037), (47, 10070), (51, 10112), (54, 10157), (56, 10175), (58, 10187), (62, 10259), (65, 10292), (66, 10295), (70, 10334), (73, 10376), (75, 10406), (77, 10412), (79, 10442), (81, 10478), (82, 10487), (83, 10499), (90, 10595), (96, 10691), (98, 10721), (101, 10754), (102, 10757), (103, 10769), (109, 10823), (112, 10835), (120, 10889), (121, 10898), (137, 11018), (151, 11162), (154, 11222), (156, 11234), (160, 11303), (163, 11327), (165, 11381), (166, 11384), (167, 11402), (168, 11423), (169, 11441), (175, 11567), (176, 11603), (177, 11609), (180, 11675), (184, 11726), (186, 11759), (187, 11783), (188, 11786), (189, 11795), (191, 11840), (192, 11843), (193, 11849), (195, 11867), (198, 11936), (199, 11942), (214, 12041), (219, 12080), (220, 12083), (227, 12113), (232, 12140), (239, 12212), (242, 12224), (250, 12311), (255, 12335), (270, 12383), (277, 12413), (281, 12434), (286, 12500), (291, 12608), (293, 12632), (294, 12638), (296, 12653), (299, 12668), (300, 12704), (302, 12767), (303, 12770), (304, 12782), (305, 12803), (307, 12863), (313, 13043),

Gene: Mwanjiwa_14 Start: 9465, Stop: 12992, Start Num: 2
Candidate Starts for Mwanjiwa_14:

(Start: 1 @9444 has 43 MA's), (Start: 2 @9465 has 204 MA's), (3, 9477), (5, 9516), (6, 9543), (10, 9645), (11, 9693), (12, 9717), (26, 9759), (27, 9762), (28, 9771), (29, 9777), (33, 9840), (34, 9855), (43, 9972), (47, 10005), (49, 10023), (51, 10047), (54, 10092), (56, 10110), (58, 10122), (62, 10194), (65, 10227), (66, 10230), (70, 10269), (73, 10311), (75, 10341), (77, 10347), (79, 10377), (81, 10413), (82, 10422), (83, 10434), (90, 10530), (96, 10626), (98, 10656), (101, 10689), (102, 10692), (103, 10704), (109, 10758), (112, 10770), (120, 10824), (121, 10833), (137, 10953), (151, 11097), (154, 11157), (156, 11169), (160, 11238), (163, 11262), (164, 11301), (165, 11316), (166, 11319), (168, 11358), (169, 11376), (173, 11448), (175, 11502), (176, 11538), (177, 11544), (180, 11610), (184, 11661), (186, 11694), (187, 11718), (188, 11721), (189, 11730), (191, 11775), (192, 11778), (193, 11784), (195, 11802), (198, 11871), (199, 11877), (214, 11976), (219, 12015), (220, 12018), (227, 12048), (236, 12102), (239, 12147), (255, 12270), (270, 12318), (277, 12348), (281, 12369), (286, 12435), (291, 12543), (293, 12567), (294, 12573), (296, 12588), (299, 12603), (300, 12639), (302, 12702), (303, 12705), (304, 12717), (305, 12738), (307, 12798), (313, 12978),

Gene: NewHope4_14 Start: 9507, Stop: 13034, Start Num: 2
Candidate Starts for NewHope4_14:
(Start: 2 @9507 has 204 MA's), (3, 9519), (5, 9558), (6, 9585), (8, 9642), (10, 9687), (12, 9759), (28, 9813), (29, 9819), (33, 9882), (34, 9897), (43, 10014), (47, 10047), (51, 10089), (54, 10134), (56, 10152), (58, 10164), (62, 10236), (65, 10269), (66, 10272), (70, 10311), (73, 10353), (75, 10383), (77, 10389), (79, 10419), (81, 10455), (82, 10464), (83, 10476), (90, 10572), (96, 10668), (97, 10689), (98, 10698), (101, 10731), (102, 10734), (103, 10746), (109, 10800), (112, 10812), (120, 10866), (121, 10875), (137, 10995), (151, 11139), (154, 11199), (156, 11211), (160, 11280), (163, 11304), (165, 11358), (166, 11361), (168, 11400), (169, 11418), (173, 11490), (175, 11544), (176, 11580), (177, 11586), (180, 11652), (184, 11703), (186, 11736), (187, 11760), (188, 11763), (189, 11772), (191, 11817), (192, 11820), (193, 11826), (195, 11844), (198, 11913), (199, 11919), (214, 12018), (219, 12057), (220, 12060), (227, 12090), (232, 12117), (236, 12144), (239, 12189), (242, 12201), (250, 12288), (255, 12312), (270, 12360), (277, 12390), (281, 12411), (286, 12477), (291, 12585), (293, 12609), (294, 12615), (296, 12630), (299, 12645), (300, 12681), (302, 12744), (303, 12747), (305, 12780), (307, 12840), (313, 13020),

Gene: Nichirin_14 Start: 9490, Stop: 13212, Start Num: 2
Candidate Starts for Nichirin_14:
(Start: 1 @9469 has 43 MA's), (Start: 2 @9490 has 204 MA's), (3, 9502), (6, 9568), (10, 9670), (14, 9787), (16, 9835), (17, 9844), (18, 9889), (19, 9922), (20, 9931), (22, 9946), (23, 9955), (26, 10015), (27, 10018), (28, 10027), (29, 10033), (33, 10096), (34, 10111), (43, 10228), (47, 10261), (49, 10279), (51, 10303), (54, 10348), (56, 10366), (58, 10378), (61, 10435), (62, 10450), (65, 10483), (66, 10486), (70, 10525), (73, 10567), (75, 10597), (77, 10603), (79, 10633), (81, 10669), (82, 10678), (83, 10690), (85, 10723), (86, 10738), (90, 10786), (92, 10807), (94, 10849), (96, 10882), (99, 10924), (100, 10936), (104, 10981), (106, 10993), (116, 11044), (117, 11053), (125, 11086), (126, 11089), (128, 11095), (132, 11107), (136, 11170), (145, 11281), (146, 11284), (148, 11293), (161, 11467), (164, 11518), (165, 11533), (166, 11536), (167, 11554), (168, 11575), (169, 11593), (173, 11665), (175, 11719), (176, 11755), (177, 11761), (178, 11794), (180, 11827), (184, 11878), (186, 11911), (187, 11935), (188, 11938), (189, 11947), (191, 11992), (192, 11995), (195, 12019), (198, 12091), (199, 12097), (206, 12145), (214, 12196), (219, 12235), (220, 12238), (227, 12268), (232, 12295), (236, 12322), (239, 12367), (242, 12379), (250, 12466), (255, 12490), (270, 12538), (281, 12589), (286, 12655), (291, 12763), (293, 12787), (294, 12793), (296, 12808), (297, 12814), (299, 12823), (300, 12859), (302, 12922), (303, 12925), (305, 12958), (306, 12997), (307, 13018), (313, 13198),

Gene: Nimbo_14 Start: 9465, Stop: 13013, Start Num: 1
Candidate Starts for Nimbo_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (26, 9780), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70,

10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (90, 10551), (92, 10572), (97, 10668), (98, 10677), (102, 10713), (103, 10725), (106, 10758), (109, 10779), (120, 10845), (121, 10854), (126, 10872), (137, 10974), (142, 11049), (151, 11118), (154, 11178), (156, 11190), (160, 11259), (161, 11268), (164, 11322), (165, 11337), (166, 11340), (167, 11358), (168, 11379), (169, 11397), (173, 11469), (175, 11523), (176, 11559), (177, 11565), (178, 11598), (180, 11631), (184, 11682), (186, 11715), (187, 11739), (188, 11742), (189, 11751), (191, 11796), (192, 11799), (193, 11805), (195, 11823), (198, 11892), (199, 11898), (214, 11997), (219, 12036), (220, 12039), (227, 12069), (236, 12123), (239, 12168), (255, 12291), (270, 12339), (277, 12369), (281, 12390), (286, 12456), (291, 12564), (293, 12588), (294, 12594), (296, 12609), (299, 12624), (300, 12660), (302, 12723), (303, 12726), (304, 12738), (305, 12759), (306, 12798), (307, 12819), (313, 12999),

Gene: Nitzel_15 Start: 10152, Stop: 13793, Start Num: 2
Candidate Starts for Nitzel_15:
(Start: 1 @10131 has 43 MA's), (Start: 2 @10152 has 204 MA's), (3, 10164), (5, 10203), (6, 10230), (8, 10287), (10, 10332), (12, 10404), (26, 10446), (28, 10458), (29, 10464), (32, 10488), (33, 10527), (34, 10542), (43, 10659), (47, 10692), (49, 10710), (51, 10734), (54, 10779), (56, 10797), (58, 10809), (62, 10881), (65, 10914), (66, 10917), (70, 10956), (73, 10998), (75, 11028), (77, 11034), (79, 11064), (81, 11100), (82, 11109), (83, 11121), (85, 11154), (86, 11169), (90, 11217), (97, 11334), (98, 11343), (101, 11376), (102, 11379), (106, 11424), (109, 11445), (112, 11457), (121, 11520), (122, 11526), (126, 11538), (137, 11640), (154, 11844), (156, 11856), (160, 11925), (161, 11934), (164, 11985), (165, 12000), (166, 12003), (167, 12021), (168, 12042), (169, 12060), (173, 12132), (175, 12186), (176, 12222), (177, 12228), (180, 12294), (184, 12345), (186, 12378), (187, 12402), (188, 12405), (189, 12414), (191, 12459), (192, 12462), (193, 12468), (195, 12486), (198, 12555), (199, 12561), (207, 12627), (208, 12630), (209, 12633), (211, 12651), (213, 12663), (220, 12711), (222, 12720), (229, 12753), (234, 12780), (241, 12843), (247, 12894), (252, 12948), (255, 12963), (261, 13017), (265, 13026), (267, 13032), (269, 13068), (272, 13095), (281, 13173), (286, 13239), (291, 13347), (293, 13371), (294, 13377), (296, 13392), (299, 13407), (300, 13443), (302, 13506), (303, 13509), (305, 13542), (306, 13581), (307, 13602), (311, 13707), (313, 13779),

Gene: Nivrat_14 Start: 9491, Stop: 13018, Start Num: 2
Candidate Starts for Nivrat_14:
(Start: 1 @9470 has 43 MA's), (Start: 2 @9491 has 204 MA's), (3, 9503), (5, 9542), (6, 9569), (10, 9671), (11, 9719), (12, 9743), (28, 9797), (29, 9803), (33, 9866), (34, 9881), (43, 9998), (47, 10031), (49, 10049), (51, 10073), (54, 10118), (56, 10136), (58, 10148), (62, 10220), (65, 10253), (66, 10256), (70, 10295), (73, 10337), (75, 10367), (77, 10373), (79, 10403), (81, 10439), (82, 10448), (83, 10460), (85, 10493), (86, 10508), (87, 10535), (90, 10556), (91, 10568), (92, 10577), (97, 10673), (98, 10682), (102, 10718), (103, 10730), (106, 10763), (109, 10784), (121, 10859), (126, 10877), (137, 10979), (142, 11054), (154, 11183), (156, 11195), (160, 11264), (164, 11327), (165, 11342), (166, 11345), (167, 11363), (168, 11384), (169, 11402), (173, 11474), (175, 11528), (176, 11564), (177, 11570), (180, 11636), (184, 11687), (186, 11720), (187, 11744), (188, 11747), (189, 11756), (191, 11801), (192, 11804), (193, 11810), (195, 11828), (198, 11897), (199, 11903), (214, 12002), (219, 12041), (220, 12044), (227, 12074), (236, 12128), (239, 12173), (255, 12296), (270, 12344), (277, 12374), (281, 12395), (286, 12461), (288, 12485), (291, 12569), (293, 12593), (294, 12599), (296, 12614), (299, 12629), (300, 12665), (302, 12728), (303, 12731), (304, 12743), (305, 12764), (307, 12824), (313, 13004),

Gene: NormanBulbieJr_14 Start: 9477, Stop: 13004, Start Num: 2
Candidate Starts for NormanBulbieJr_14:
(Start: 1 @9456 has 43 MA's), (Start: 2 @9477 has 204 MA's), (3, 9489), (5, 9528), (6, 9555), (8, 9612), (10, 9657), (12, 9729), (29, 9789), (33, 9852), (34, 9867), (43, 9984), (47, 10017), (49, 10035), (51, 10059), (54, 10104), (56, 10122), (58, 10134), (62, 10206), (65, 10239), (66, 10242), (70, 10281), (73, 10323), (75, 10353), (77, 10359), (79, 10389), (81, 10425), (82, 10434), (83, 10446), (85, 10479),

(86, 10494), (87, 10521), (90, 10542), (91, 10554), (92, 10563), (97, 10659), (98, 10668), (102, 10704), (103, 10716), (106, 10749), (109, 10770), (121, 10845), (126, 10863), (137, 10965), (142, 11040), (154, 11169), (156, 11181), (160, 11250), (164, 11313), (165, 11328), (166, 11331), (167, 11349), (168, 11370), (169, 11388), (173, 11460), (175, 11514), (176, 11550), (177, 11556), (180, 11622), (184, 11673), (186, 11706), (187, 11730), (188, 11733), (189, 11742), (191, 11787), (192, 11790), (193, 11796), (195, 11814), (198, 11883), (199, 11889), (214, 11988), (219, 12027), (220, 12030), (227, 12060), (236, 12114), (239, 12159), (255, 12282), (270, 12330), (277, 12360), (281, 12381), (286, 12447), (288, 12471), (291, 12555), (293, 12579), (294, 12585), (296, 12600), (299, 12615), (300, 12651), (302, 12714), (303, 12717), (304, 12729), (305, 12750), (307, 12810), (313, 12990),

Gene: Ochi17_14 Start: 9489, Stop: 13247, Start Num: 2
Candidate Starts for Ochi17_14:
(Start: 1 @9468 has 43 MA's), (Start: 2 @9489 has 204 MA's), (3, 9501), (5, 9540), (6, 9567), (10, 9669), (14, 9786), (16, 9834), (17, 9843), (18, 9888), (19, 9921), (20, 9930), (22, 9945), (23, 9954), (26, 10014), (27, 10017), (28, 10026), (29, 10032), (33, 10095), (34, 10110), (43, 10227), (47, 10260), (49, 10278), (51, 10302), (54, 10347), (56, 10365), (58, 10377), (61, 10434), (62, 10449), (65, 10482), (66, 10485), (70, 10524), (73, 10566), (75, 10596), (77, 10602), (79, 10632), (81, 10668), (82, 10677), (83, 10689), (85, 10722), (86, 10737), (90, 10785), (92, 10806), (97, 10902), (98, 10911), (102, 10947), (103, 10959), (106, 10992), (109, 11013), (112, 11025), (121, 11088), (122, 11094), (126, 11106), (137, 11208), (142, 11283), (154, 11412), (156, 11424), (160, 11493), (161, 11502), (164, 11553), (165, 11568), (166, 11571), (167, 11589), (168, 11610), (169, 11628), (173, 11700), (175, 11754), (176, 11790), (177, 11796), (178, 11829), (180, 11862), (184, 11913), (186, 11946), (187, 11970), (188, 11973), (189, 11982), (191, 12027), (192, 12030), (195, 12054), (198, 12126), (199, 12132), (205, 12180), (214, 12231), (219, 12270), (220, 12273), (227, 12303), (232, 12330), (236, 12357), (239, 12402), (242, 12414), (250, 12501), (255, 12525), (270, 12573), (281, 12624), (286, 12690), (291, 12798), (293, 12822), (294, 12828), (296, 12843), (297, 12849), (299, 12858), (300, 12894), (302, 12957), (303, 12960), (305, 12993), (306, 13032), (307, 13053), (313, 13233),

Gene: OfUltron_14 Start: 9489, Stop: 13247, Start Num: 2
Candidate Starts for OfUltron_14:
(Start: 1 @9468 has 43 MA's), (Start: 2 @9489 has 204 MA's), (3, 9501), (5, 9540), (6, 9567), (10, 9669), (14, 9786), (16, 9834), (17, 9843), (18, 9888), (19, 9921), (20, 9930), (22, 9945), (23, 9954), (26, 10014), (27, 10017), (28, 10026), (29, 10032), (33, 10095), (34, 10110), (43, 10227), (47, 10260), (49, 10278), (51, 10302), (54, 10347), (56, 10365), (58, 10377), (61, 10434), (62, 10449), (65, 10482), (66, 10485), (70, 10524), (73, 10566), (75, 10596), (77, 10602), (79, 10632), (81, 10668), (82, 10677), (83, 10689), (85, 10722), (86, 10737), (90, 10785), (92, 10806), (97, 10902), (98, 10911), (102, 10947), (103, 10959), (106, 10992), (109, 11013), (112, 11025), (121, 11088), (122, 11094), (126, 11106), (137, 11208), (142, 11283), (154, 11412), (156, 11424), (160, 11493), (161, 11502), (164, 11553), (165, 11568), (166, 11571), (167, 11589), (168, 11610), (169, 11628), (173, 11700), (175, 11754), (176, 11790), (177, 11796), (178, 11829), (180, 11862), (184, 11913), (186, 11946), (187, 11970), (188, 11973), (189, 11982), (191, 12027), (192, 12030), (195, 12054), (198, 12126), (199, 12132), (205, 12180), (214, 12231), (219, 12270), (220, 12273), (227, 12303), (232, 12330), (236, 12357), (239, 12402), (242, 12414), (250, 12501), (255, 12525), (270, 12573), (281, 12624), (286, 12690), (291, 12798), (293, 12822), (294, 12828), (296, 12843), (297, 12849), (299, 12858), (300, 12894), (302, 12957), (303, 12960), (305, 12993), (306, 13032), (307, 13053), (313, 13233),

Gene: Ogopogo_17 Start: 9745, Stop: 13269, Start Num: 2
Candidate Starts for Ogopogo_17:
(Start: 1 @9724 has 43 MA's), (Start: 2 @9745 has 204 MA's), (3, 9757), (5, 9796), (6, 9823), (10, 9925), (12, 9997), (26, 10039), (28, 10051), (29, 10057), (33, 10120), (34, 10135), (43, 10252), (47, 10285), (49, 10303), (51, 10327), (54, 10372), (56, 10390), (58, 10402), (61, 10459), (62, 10474), (63, 10492), (65, 10507), (66, 10510), (70, 10549), (73, 10591), (75, 10621), (77, 10627), (79, 10657), (81, 10693), (82, 10702), (83, 10714), (85, 10747), (86, 10762), (87, 10789), (90, 10810), (91, 10822), (92,

10831), (97, 10927), (98, 10936), (101, 10969), (102, 10972), (103, 10984), (106, 11017), (109, 11038), (112, 11050), (121, 11113), (122, 11119), (126, 11131), (137, 11233), (154, 11437), (156, 11449), (160, 11515), (161, 11524), (164, 11578), (165, 11593), (166, 11596), (167, 11614), (168, 11635), (169, 11653), (173, 11725), (175, 11779), (176, 11815), (177, 11821), (178, 11854), (180, 11887), (182, 11908), (184, 11938), (186, 11971), (187, 11995), (188, 11998), (189, 12007), (191, 12052), (192, 12055), (195, 12079), (198, 12148), (199, 12154), (216, 12274), (227, 12325), (232, 12352), (235, 12370), (239, 12424), (250, 12526), (255, 12550), (270, 12598), (278, 12649), (286, 12715), (291, 12823), (293, 12847), (294, 12853), (296, 12868), (297, 12874), (299, 12883), (300, 12919), (303, 12985), (306, 13057), (307, 13078), (313, 13255),

Gene: Okabe_16 Start: 10155, Stop: 13802, Start Num: 2
Candidate Starts for Okabe_16:
(Start: 1 @10134 has 43 MA's), (Start: 2 @10155 has 204 MA's), (3, 10167), (5, 10206), (6, 10233), (10, 10335), (11, 10383), (12, 10407), (28, 10461), (29, 10467), (33, 10530), (34, 10545), (43, 10662), (47, 10695), (49, 10713), (51, 10737), (54, 10782), (56, 10800), (58, 10812), (62, 10884), (65, 10917), (66, 10920), (70, 10959), (73, 11001), (75, 11031), (77, 11037), (79, 11067), (81, 11103), (82, 11112), (83, 11124), (85, 11157), (90, 11220), (92, 11241), (97, 11337), (98, 11346), (102, 11382), (106, 11427), (109, 11448), (112, 11460), (121, 11523), (122, 11529), (126, 11541), (137, 11643), (154, 11847), (156, 11859), (160, 11928), (164, 11988), (165, 12003), (166, 12006), (167, 12024), (168, 12045), (169, 12063), (173, 12135), (175, 12189), (176, 12225), (177, 12231), (178, 12264), (180, 12297), (184, 12348), (186, 12381), (187, 12405), (188, 12408), (189, 12417), (191, 12462), (192, 12465), (193, 12471), (195, 12489), (198, 12558), (199, 12564), (207, 12630), (208, 12633), (209, 12636), (211, 12654), (213, 12666), (220, 12714), (222, 12723), (223, 12726), (228, 12753), (229, 12756), (231, 12765), (241, 12846), (255, 12966), (261, 13020), (263, 13023), (265, 13029), (267, 13035), (269, 13071), (281, 13179), (286, 13245), (291, 13353), (293, 13377), (294, 13383), (296, 13398), (299, 13413), (300, 13449), (302, 13512), (303, 13515), (304, 13527), (305, 13548), (307, 13608), (313, 13788),

Gene: Oksu_15 Start: 9331, Stop: 13077, Start Num: 1
Candidate Starts for Oksu_15:
(Start: 1 @9331 has 43 MA's), (Start: 2 @9352 has 204 MA's), (3, 9364), (5, 9403), (6, 9430), (10, 9532), (14, 9649), (16, 9697), (17, 9706), (18, 9751), (19, 9784), (20, 9793), (22, 9808), (23, 9817), (26, 9877), (27, 9880), (28, 9889), (29, 9895), (33, 9958), (34, 9973), (43, 10090), (47, 10123), (49, 10141), (51, 10165), (54, 10210), (56, 10228), (58, 10240), (61, 10297), (62, 10312), (63, 10330), (65, 10345), (66, 10348), (70, 10387), (73, 10429), (75, 10459), (77, 10465), (79, 10495), (81, 10531), (82, 10540), (83, 10552), (85, 10585), (86, 10600), (87, 10627), (90, 10648), (92, 10669), (94, 10711), (96, 10744), (99, 10786), (100, 10798), (104, 10843), (106, 10855), (116, 10906), (117, 10915), (126, 10951), (128, 10957), (132, 10969), (136, 11032), (139, 11080), (145, 11143), (146, 11146), (148, 11155), (160, 11320), (164, 11383), (165, 11398), (166, 11401), (167, 11419), (168, 11440), (169, 11458), (173, 11530), (175, 11584), (176, 11620), (177, 11626), (178, 11659), (180, 11692), (184, 11743), (186, 11776), (187, 11800), (188, 11803), (189, 11812), (191, 11857), (192, 11860), (195, 11884), (198, 11956), (199, 11962), (206, 12010), (214, 12061), (219, 12100), (220, 12103), (227, 12133), (232, 12160), (236, 12187), (239, 12232), (242, 12244), (250, 12331), (255, 12355), (270, 12403), (281, 12454), (286, 12520), (291, 12628), (293, 12652), (294, 12658), (296, 12673), (297, 12679), (299, 12688), (300, 12724), (302, 12787), (303, 12790), (305, 12823), (306, 12862), (307, 12883), (313, 13063),

Gene: OldBen_14 Start: 9486, Stop: 13010, Start Num: 2
Candidate Starts for OldBen_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (26, 9780), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85,

10488), (90, 10551), (92, 10572), (97, 10668), (98, 10677), (102, 10713), (103, 10725), (106, 10758), (109, 10779), (120, 10845), (121, 10854), (126, 10872), (137, 10974), (142, 11049), (151, 11118), (154, 11178), (156, 11190), (160, 11259), (161, 11268), (164, 11322), (165, 11337), (166, 11340), (167, 11358), (168, 11379), (169, 11397), (173, 11469), (175, 11523), (176, 11559), (177, 11565), (178, 11598), (180, 11631), (184, 11682), (186, 11715), (187, 11739), (188, 11742), (189, 11751), (191, 11796), (192, 11799), (193, 11805), (195, 11823), (198, 11892), (199, 11898), (214, 11997), (219, 12036), (220, 12039), (227, 12069), (232, 12096), (236, 12123), (239, 12168), (255, 12291), (270, 12336), (277, 12366), (281, 12387), (286, 12453), (291, 12561), (293, 12585), (294, 12591), (296, 12606), (299, 12621), (300, 12657), (302, 12720), (303, 12723), (304, 12735), (305, 12756), (307, 12816), (313, 12996),

Gene: OlympiaSaint_14 Start: 9510, Stop: 13205, Start Num: 2
Candidate Starts for OlympiaSaint_14:
(Start: 1 @9489 has 43 MA's), (Start: 2 @9510 has 204 MA's), (3, 9522), (5, 9561), (6, 9588), (10, 9690), (12, 9762), (26, 9804), (27, 9807), (28, 9816), (29, 9822), (33, 9885), (34, 9900), (43, 10017), (47, 10050), (49, 10068), (51, 10092), (54, 10137), (56, 10155), (58, 10167), (61, 10224), (62, 10239), (63, 10257), (65, 10272), (66, 10275), (70, 10314), (73, 10356), (75, 10386), (77, 10392), (79, 10422), (81, 10458), (82, 10467), (83, 10479), (85, 10512), (86, 10527), (87, 10554), (90, 10575), (91, 10587), (92, 10596), (97, 10692), (98, 10701), (101, 10734), (102, 10737), (103, 10749), (106, 10782), (109, 10803), (112, 10815), (121, 10878), (122, 10884), (126, 10896), (137, 10998), (154, 11202), (156, 11214), (160, 11280), (161, 11289), (164, 11340), (165, 11355), (166, 11358), (167, 11376), (168, 11397), (169, 11415), (173, 11487), (175, 11541), (176, 11577), (177, 11583), (178, 11616), (180, 11649), (182, 11670), (184, 11700), (186, 11733), (187, 11757), (188, 11760), (189, 11769), (191, 11814), (192, 11817), (195, 11841), (200, 11934), (217, 12081), (221, 12102), (239, 12243), (244, 12267), (246, 12294), (268, 12474), (270, 12504), (280, 12576), (287, 12663), (291, 12756), (293, 12780), (294, 12786), (296, 12801), (299, 12816), (300, 12852), (302, 12915), (303, 12918), (305, 12951), (306, 12990), (307, 13011), (313, 13191),

Gene: Ovechkin_14 Start: 9532, Stop: 13056, Start Num: 2
Candidate Starts for Ovechkin_14:
(Start: 2 @9532 has 204 MA's), (3, 9544), (5, 9583), (6, 9610), (8, 9667), (10, 9712), (12, 9784), (26, 9826), (27, 9829), (28, 9838), (29, 9844), (33, 9907), (34, 9922), (43, 10039), (47, 10072), (51, 10114), (54, 10159), (56, 10177), (58, 10189), (62, 10261), (65, 10294), (66, 10297), (70, 10336), (73, 10378), (75, 10408), (77, 10414), (79, 10444), (81, 10480), (82, 10489), (83, 10501), (90, 10597), (96, 10693), (98, 10723), (101, 10756), (102, 10759), (103, 10771), (109, 10825), (112, 10837), (120, 10891), (121, 10900), (137, 11020), (151, 11164), (154, 11224), (156, 11236), (160, 11305), (163, 11329), (165, 11383), (166, 11386), (168, 11425), (169, 11443), (175, 11569), (176, 11605), (177, 11611), (180, 11677), (184, 11728), (186, 11761), (187, 11785), (188, 11788), (189, 11797), (191, 11842), (192, 11845), (193, 11851), (195, 11869), (198, 11938), (199, 11944), (214, 12043), (219, 12082), (220, 12085), (227, 12115), (232, 12142), (239, 12214), (242, 12226), (250, 12313), (255, 12337), (270, 12382), (277, 12412), (281, 12433), (286, 12499), (291, 12607), (293, 12631), (294, 12637), (296, 12652), (299, 12667), (300, 12703), (302, 12766), (303, 12769), (304, 12781), (305, 12802), (307, 12862), (313, 13042),

Gene: OwlsT2W_16 Start: 9891, Stop: 13379, Start Num: 2
Candidate Starts for OwlsT2W_16:
(Start: 2 @9891 has 204 MA's), (5, 9942), (6, 9969), (8, 10026), (10, 10071), (12, 10143), (28, 10197), (29, 10203), (33, 10266), (34, 10281), (43, 10398), (47, 10431), (51, 10473), (54, 10518), (56, 10536), (58, 10548), (62, 10620), (65, 10653), (66, 10656), (70, 10695), (73, 10737), (75, 10767), (77, 10773), (79, 10803), (81, 10839), (82, 10848), (83, 10860), (85, 10893), (86, 10908), (90, 10956), (94, 11019), (99, 11094), (104, 11151), (106, 11163), (112, 11184), (116, 11214), (125, 11256), (126, 11259), (128, 11265), (132, 11277), (146, 11454), (148, 11463), (158, 11610), (160, 11625), (163, 11649), (165, 11700), (166, 11703), (167, 11721), (168, 11742), (169, 11760), (173, 11832), (175, 11886), (176,

11922), (177, 11928), (180, 11994), (184, 12045), (186, 12078), (187, 12102), (188, 12105), (189, 12114), (191, 12159), (192, 12162), (193, 12168), (195, 12186), (198, 12255), (199, 12261), (214, 12360), (232, 12459), (235, 12477), (239, 12531), (250, 12633), (255, 12657), (270, 12705), (277, 12735), (281, 12756), (286, 12822), (291, 12930), (293, 12954), (294, 12960), (296, 12975), (299, 12990), (300, 13026), (302, 13089), (303, 13092), (304, 13104), (305, 13125), (307, 13185), (313, 13365),

Gene: PHappiness_14 Start: 9443, Stop: 12991, Start Num: 1
Candidate Starts for PHappiness_14:
(Start: 1 @9443 has 43 MA's), (Start: 2 @9464 has 204 MA's), (3, 9476), (5, 9515), (6, 9542), (10, 9644), (11, 9692), (12, 9716), (26, 9758), (28, 9770), (29, 9776), (33, 9839), (34, 9854), (43, 9971), (47, 10004), (51, 10046), (54, 10091), (56, 10109), (58, 10121), (62, 10193), (65, 10226), (66, 10229), (70, 10268), (73, 10310), (75, 10340), (77, 10346), (79, 10376), (81, 10412), (82, 10421), (83, 10433), (85, 10466), (90, 10529), (92, 10550), (97, 10646), (98, 10655), (102, 10691), (103, 10703), (106, 10736), (109, 10757), (120, 10823), (121, 10832), (126, 10850), (137, 10952), (142, 11027), (151, 11096), (154, 11156), (156, 11168), (160, 11237), (161, 11246), (164, 11300), (165, 11315), (166, 11318), (167, 11336), (168, 11357), (169, 11375), (173, 11447), (175, 11501), (176, 11537), (177, 11543), (178, 11576), (180, 11609), (184, 11660), (186, 11693), (187, 11717), (188, 11720), (189, 11729), (191, 11774), (192, 11777), (193, 11783), (195, 11801), (198, 11870), (199, 11876), (214, 11975), (219, 12014), (220, 12017), (227, 12047), (236, 12101), (239, 12146), (255, 12269), (270, 12317), (277, 12347), (281, 12368), (286, 12434), (291, 12542), (293, 12566), (294, 12572), (296, 12587), (299, 12602), (300, 12638), (302, 12701), (303, 12704), (304, 12716), (305, 12737), (306, 12776), (307, 12797), (313, 12977),

Gene: PMC_14 Start: 9482, Stop: 12994, Start Num: 1
Candidate Starts for PMC_14:
(Start: 1 @9482 has 43 MA's), (Start: 2 @9503 has 204 MA's), (3, 9515), (5, 9554), (6, 9581), (10, 9683), (11, 9731), (12, 9755), (26, 9797), (28, 9809), (29, 9815), (33, 9878), (34, 9893), (43, 10010), (47, 10043), (49, 10061), (51, 10085), (54, 10130), (56, 10148), (58, 10160), (61, 10217), (62, 10232), (63, 10250), (65, 10265), (66, 10268), (70, 10307), (73, 10349), (75, 10379), (77, 10385), (79, 10415), (81, 10451), (82, 10460), (83, 10472), (85, 10505), (87, 10547), (90, 10568), (91, 10580), (92, 10589), (94, 10631), (96, 10664), (99, 10706), (100, 10718), (104, 10763), (106, 10775), (116, 10826), (117, 10835), (126, 10871), (128, 10877), (132, 10889), (136, 10952), (139, 11000), (145, 11063), (146, 11066), (148, 11075), (160, 11240), (164, 11303), (165, 11318), (166, 11321), (167, 11339), (168, 11360), (169, 11378), (173, 11450), (175, 11504), (176, 11540), (177, 11546), (178, 11579), (180, 11612), (184, 11663), (186, 11696), (187, 11720), (188, 11723), (189, 11732), (191, 11777), (192, 11780), (195, 11804), (198, 11873), (199, 11879), (214, 11978), (219, 12017), (220, 12020), (227, 12050), (232, 12077), (236, 12104), (239, 12149), (255, 12272), (270, 12320), (277, 12350), (281, 12371), (286, 12437), (291, 12545), (293, 12569), (294, 12575), (296, 12590), (299, 12605), (300, 12641), (302, 12704), (303, 12707), (304, 12719), (305, 12740), (307, 12800), (313, 12980),

Gene: Pacc40_14 Start: 9486, Stop: 13181, Start Num: 2
Candidate Starts for Pacc40_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (26, 9780), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (90, 10551), (92, 10572), (97, 10668), (98, 10677), (102, 10713), (103, 10725), (106, 10758), (109, 10779), (120, 10845), (121, 10854), (126, 10872), (137, 10974), (142, 11049), (151, 11118), (154, 11178), (156, 11190), (160, 11259), (161, 11268), (164, 11322), (165, 11337), (166, 11340), (167, 11358), (168, 11379), (169, 11397), (173, 11469), (175, 11523), (176, 11559), (177, 11565), (178, 11598), (180, 11631), (184, 11682), (186, 11715), (187, 11739), (188, 11742), (189, 11751), (191, 11796), (192, 11799), (195, 11823), (200, 11913), (217, 12060), (221, 12081), (239, 12222),

(244, 12246), (246, 12273), (268, 12453), (270, 12483), (280, 12555), (287, 12642), (291, 12735), (293, 12759), (294, 12765), (296, 12780), (297, 12786), (299, 12795), (300, 12831), (302, 12894), (303, 12897), (305, 12930), (306, 12969), (307, 12990), (313, 13167),

Gene: PatoPoderoso_14 Start: 9533, Stop: 13063, Start Num: 2
Candidate Starts for PatoPoderoso_14:
(Start: 2 @9533 has 204 MA's), (3, 9545), (5, 9584), (6, 9611), (8, 9668), (10, 9713), (12, 9785), (26, 9827), (27, 9830), (28, 9839), (29, 9845), (32, 9869), (33, 9908), (34, 9923), (43, 10040), (47, 10073), (51, 10115), (54, 10160), (56, 10178), (58, 10190), (62, 10262), (65, 10295), (66, 10298), (70, 10337), (73, 10379), (75, 10409), (77, 10415), (79, 10445), (81, 10481), (82, 10490), (83, 10502), (90, 10598), (96, 10694), (98, 10724), (101, 10757), (102, 10760), (103, 10772), (109, 10826), (112, 10838), (120, 10892), (121, 10901), (137, 11021), (151, 11165), (154, 11225), (156, 11237), (160, 11306), (163, 11330), (165, 11384), (166, 11387), (168, 11426), (169, 11444), (173, 11516), (175, 11570), (176, 11606), (177, 11612), (180, 11678), (184, 11729), (186, 11762), (187, 11786), (188, 11789), (189, 11798), (191, 11843), (192, 11846), (193, 11852), (195, 11870), (198, 11939), (199, 11945), (214, 12044), (232, 12143), (235, 12161), (239, 12215), (250, 12317), (255, 12341), (270, 12389), (277, 12419), (281, 12440), (286, 12506), (291, 12614), (293, 12638), (294, 12644), (296, 12659), (299, 12674), (300, 12710), (302, 12773), (303, 12776), (304, 12788), (305, 12809), (307, 12869), (313, 13049),

Gene: Peridot_15 Start: 9346, Stop: 12834, Start Num: 2
Candidate Starts for Peridot_15:
(Start: 2 @9346 has 204 MA's), (5, 9397), (6, 9424), (8, 9481), (10, 9526), (12, 9598), (28, 9652), (29, 9658), (33, 9721), (34, 9736), (43, 9853), (47, 9886), (49, 9904), (51, 9928), (54, 9973), (56, 9991), (58, 10003), (61, 10060), (62, 10075), (63, 10093), (65, 10108), (66, 10111), (70, 10150), (73, 10192), (75, 10222), (77, 10228), (79, 10258), (81, 10294), (82, 10303), (83, 10315), (85, 10348), (86, 10363), (87, 10390), (90, 10411), (91, 10423), (92, 10432), (94, 10474), (96, 10507), (99, 10549), (100, 10561), (104, 10606), (106, 10618), (116, 10669), (117, 10678), (125, 10711), (126, 10714), (128, 10720), (132, 10732), (136, 10795), (139, 10843), (145, 10906), (146, 10909), (148, 10918), (160, 11083), (161, 11092), (164, 11143), (165, 11158), (166, 11161), (167, 11179), (168, 11200), (169, 11218), (173, 11290), (175, 11344), (176, 11380), (177, 11386), (178, 11419), (180, 11452), (184, 11503), (186, 11536), (187, 11560), (188, 11563), (189, 11572), (191, 11617), (192, 11620), (193, 11626), (195, 11644), (198, 11713), (199, 11719), (214, 11818), (219, 11857), (220, 11860), (227, 11890), (232, 11917), (236, 11944), (239, 11989), (255, 12112), (270, 12160), (277, 12190), (281, 12211), (286, 12277), (291, 12385), (293, 12409), (294, 12415), (296, 12430), (299, 12445), (300, 12481), (302, 12544), (303, 12547), (304, 12559), (305, 12580), (307, 12640), (313, 12820),

Gene: Phalconet_14 Start: 9534, Stop: 13061, Start Num: 2
Candidate Starts for Phalconet_14:
(Start: 2 @9534 has 204 MA's), (3, 9546), (5, 9585), (6, 9612), (8, 9669), (10, 9714), (12, 9786), (26, 9828), (27, 9831), (28, 9840), (29, 9846), (32, 9870), (33, 9909), (34, 9924), (43, 10041), (47, 10074), (51, 10116), (54, 10161), (56, 10179), (58, 10191), (62, 10263), (65, 10296), (66, 10299), (70, 10338), (73, 10380), (75, 10410), (77, 10416), (79, 10446), (81, 10482), (82, 10491), (83, 10503), (90, 10599), (96, 10695), (98, 10725), (101, 10758), (102, 10761), (103, 10773), (109, 10827), (112, 10839), (120, 10893), (121, 10902), (137, 11022), (151, 11166), (154, 11226), (156, 11238), (160, 11307), (163, 11331), (165, 11385), (166, 11388), (168, 11427), (169, 11445), (173, 11517), (175, 11571), (176, 11607), (177, 11613), (180, 11679), (184, 11730), (186, 11763), (187, 11787), (188, 11790), (189, 11799), (191, 11844), (192, 11847), (193, 11853), (195, 11871), (198, 11940), (199, 11946), (214, 12045), (219, 12084), (220, 12087), (227, 12117), (236, 12171), (239, 12216), (255, 12339), (270, 12387), (277, 12417), (281, 12438), (286, 12504), (291, 12612), (293, 12636), (294, 12642), (296, 12657), (299, 12672), (300, 12708), (302, 12771), (303, 12774), (304, 12786), (305, 12807), (307, 12867), (313, 13047),

Gene: Phanphagia_14 Start: 9533, Stop: 13063, Start Num: 2
Candidate Starts for Phanphagia_14:
(Start: 2 @9533 has 204 MA's), (3, 9545), (5, 9584), (6, 9611), (8, 9668), (10, 9713), (12, 9785), (26, 9827), (27, 9830), (28, 9839), (29, 9845), (33, 9908), (34, 9923), (43, 10040), (47, 10073), (51, 10115), (54, 10160), (56, 10178), (58, 10190), (62, 10262), (65, 10295), (66, 10298), (70, 10337), (73, 10379), (75, 10409), (77, 10415), (79, 10445), (81, 10481), (82, 10490), (83, 10502), (85, 10535), (90, 10598), (96, 10694), (98, 10724), (101, 10757), (102, 10760), (103, 10772), (109, 10826), (112, 10838), (120, 10892), (121, 10901), (137, 11021), (151, 11165), (154, 11225), (156, 11237), (160, 11306), (163, 11330), (165, 11384), (166, 11387), (167, 11405), (168, 11426), (169, 11444), (175, 11570), (176, 11606), (177, 11612), (180, 11678), (184, 11729), (186, 11762), (187, 11786), (188, 11789), (189, 11798), (191, 11843), (192, 11846), (193, 11852), (195, 11870), (198, 11939), (199, 11945), (214, 12044), (232, 12143), (235, 12161), (239, 12215), (250, 12317), (255, 12341), (270, 12389), (277, 12419), (281, 12440), (286, 12506), (291, 12614), (293, 12638), (294, 12644), (296, 12659), (299, 12674), (300, 12710), (302, 12773), (303, 12776), (304, 12788), (305, 12809), (307, 12869), (313, 13049),

Gene: Phasih_15 Start: 10064, Stop: 13549, Start Num: 2
Candidate Starts for Phasih_15:
(Start: 2 @10064 has 204 MA's), (5, 10115), (6, 10142), (8, 10199), (10, 10244), (12, 10316), (28, 10370), (29, 10376), (33, 10439), (34, 10454), (43, 10571), (47, 10604), (51, 10646), (54, 10691), (56, 10709), (58, 10721), (62, 10793), (65, 10826), (66, 10829), (70, 10868), (73, 10910), (75, 10940), (77, 10946), (79, 10976), (81, 11012), (82, 11021), (83, 11033), (90, 11129), (94, 11192), (99, 11267), (104, 11324), (106, 11336), (112, 11357), (116, 11387), (125, 11429), (126, 11432), (128, 11438), (132, 11450), (146, 11627), (148, 11636), (158, 11783), (160, 11798), (163, 11822), (165, 11876), (166, 11879), (168, 11918), (169, 11936), (173, 12008), (175, 12062), (176, 12098), (177, 12104), (180, 12170), (184, 12221), (186, 12254), (187, 12278), (188, 12281), (189, 12290), (191, 12335), (192, 12338), (193, 12344), (195, 12362), (198, 12431), (199, 12437), (214, 12536), (219, 12575), (220, 12578), (227, 12608), (232, 12635), (236, 12662), (239, 12707), (255, 12830), (270, 12878), (277, 12908), (281, 12929), (286, 12995), (291, 13103), (293, 13127), (294, 13133), (296, 13148), (299, 13163), (300, 13199), (302, 13262), (303, 13265), (305, 13298), (306, 13337), (307, 13358), (313, 13535),

Gene: Phatniss_15 Start: 10026, Stop: 13517, Start Num: 2
Candidate Starts for Phatniss_15:
(Start: 2 @10026 has 204 MA's), (5, 10077), (6, 10104), (10, 10206), (12, 10278), (28, 10332), (29, 10338), (32, 10362), (33, 10401), (34, 10416), (43, 10533), (47, 10566), (51, 10608), (54, 10653), (56, 10671), (58, 10683), (62, 10755), (65, 10788), (66, 10791), (70, 10830), (73, 10872), (75, 10902), (77, 10908), (79, 10938), (81, 10974), (82, 10983), (83, 10995), (85, 11028), (87, 11070), (90, 11091), (91, 11103), (92, 11112), (94, 11154), (96, 11187), (99, 11229), (100, 11241), (104, 11286), (106, 11298), (116, 11349), (117, 11358), (126, 11394), (128, 11400), (132, 11412), (136, 11475), (139, 11523), (145, 11586), (146, 11589), (148, 11598), (160, 11763), (164, 11826), (165, 11841), (166, 11844), (167, 11862), (168, 11883), (169, 11901), (173, 11973), (175, 12027), (176, 12063), (177, 12069), (180, 12135), (184, 12186), (186, 12219), (187, 12243), (188, 12246), (189, 12255), (191, 12300), (192, 12303), (193, 12309), (195, 12327), (198, 12396), (199, 12402), (214, 12501), (216, 12522), (232, 12600), (235, 12618), (239, 12672), (250, 12771), (255, 12795), (270, 12843), (277, 12873), (281, 12894), (286, 12960), (291, 13068), (293, 13092), (294, 13098), (296, 13113), (299, 13128), (300, 13164), (302, 13227), (303, 13230), (304, 13242), (305, 13263), (306, 13302), (307, 13323), (313, 13503),

Gene: PhesterPhotato_14 Start: 9533, Stop: 13060, Start Num: 2
Candidate Starts for PhesterPhotato_14:
(Start: 2 @9533 has 204 MA's), (3, 9545), (5, 9584), (6, 9611), (8, 9668), (10, 9713), (12, 9785), (26, 9827), (27, 9830), (28, 9839), (29, 9845), (33, 9908), (34, 9923), (43, 10040), (47, 10073), (51, 10115),

(54, 10160), (56, 10178), (58, 10190), (62, 10262), (65, 10295), (66, 10298), (70, 10337), (73, 10379), (75, 10409), (77, 10415), (79, 10445), (81, 10481), (82, 10490), (83, 10502), (90, 10598), (96, 10694), (98, 10724), (101, 10757), (102, 10760), (103, 10772), (109, 10826), (112, 10838), (120, 10892), (121, 10901), (137, 11021), (151, 11165), (154, 11225), (156, 11237), (160, 11306), (163, 11330), (164, 11369), (165, 11384), (166, 11387), (167, 11405), (168, 11426), (169, 11444), (173, 11516), (175, 11570), (176, 11606), (177, 11612), (180, 11678), (184, 11729), (186, 11762), (187, 11786), (188, 11789), (189, 11798), (191, 11843), (192, 11846), (193, 11852), (195, 11870), (198, 11939), (199, 11945), (214, 12044), (219, 12083), (220, 12086), (227, 12116), (232, 12143), (236, 12170), (239, 12215), (255, 12338), (270, 12386), (277, 12416), (281, 12437), (286, 12503), (291, 12611), (293, 12635), (294, 12641), (296, 12656), (299, 12671), (300, 12707), (302, 12770), (303, 12773), (304, 12785), (305, 12806), (307, 12866), (313, 13046),

Gene: Philus_14 Start: 9491, Stop: 13018, Start Num: 2
Candidate Starts for Philus_14:
(Start: 1 @9470 has 43 MA's), (Start: 2 @9491 has 204 MA's), (3, 9503), (5, 9542), (6, 9569), (10, 9671), (11, 9719), (12, 9743), (28, 9797), (29, 9803), (33, 9866), (34, 9881), (43, 9998), (47, 10031), (49, 10049), (51, 10073), (54, 10118), (56, 10136), (58, 10148), (62, 10220), (65, 10253), (66, 10256), (70, 10295), (73, 10337), (75, 10367), (77, 10373), (79, 10403), (81, 10439), (82, 10448), (83, 10460), (85, 10493), (86, 10508), (87, 10535), (90, 10556), (91, 10568), (92, 10577), (97, 10673), (98, 10682), (102, 10718), (103, 10730), (106, 10763), (109, 10784), (112, 10796), (121, 10859), (126, 10877), (137, 10979), (142, 11054), (154, 11183), (156, 11195), (160, 11264), (164, 11327), (165, 11342), (166, 11345), (167, 11363), (168, 11384), (169, 11402), (173, 11474), (175, 11528), (176, 11564), (177, 11570), (180, 11636), (184, 11687), (186, 11720), (187, 11744), (188, 11747), (189, 11756), (191, 11801), (192, 11804), (193, 11810), (195, 11828), (198, 11897), (199, 11903), (214, 12002), (219, 12041), (220, 12044), (227, 12074), (236, 12128), (239, 12173), (255, 12296), (270, 12344), (277, 12374), (281, 12395), (286, 12461), (288, 12485), (291, 12569), (293, 12593), (294, 12599), (296, 12614), (299, 12629), (300, 12665), (302, 12728), (303, 12731), (304, 12743), (305, 12764), (307, 12824), (313, 13004),

Gene: PhlipPhlop_14 Start: 9504, Stop: 12992, Start Num: 2
Candidate Starts for PhlipPhlop_14:
(Start: 2 @9504 has 204 MA's), (5, 9555), (6, 9582), (8, 9639), (10, 9684), (12, 9756), (28, 9810), (29, 9816), (33, 9879), (34, 9894), (43, 10011), (47, 10044), (49, 10062), (51, 10086), (54, 10131), (56, 10149), (58, 10161), (61, 10218), (62, 10233), (63, 10251), (65, 10266), (66, 10269), (70, 10308), (73, 10350), (75, 10380), (77, 10386), (79, 10416), (81, 10452), (82, 10461), (83, 10473), (85, 10506), (86, 10521), (87, 10548), (90, 10569), (91, 10581), (92, 10590), (94, 10632), (96, 10665), (99, 10707), (100, 10719), (104, 10764), (106, 10776), (116, 10827), (117, 10836), (125, 10869), (126, 10872), (128, 10878), (132, 10890), (136, 10953), (139, 11001), (145, 11064), (146, 11067), (148, 11076), (160, 11241), (161, 11250), (164, 11301), (165, 11316), (166, 11319), (167, 11337), (168, 11358), (169, 11376), (173, 11448), (175, 11502), (176, 11538), (177, 11544), (178, 11577), (180, 11610), (184, 11661), (186, 11694), (187, 11718), (188, 11721), (189, 11730), (191, 11775), (192, 11778), (193, 11784), (195, 11802), (198, 11871), (199, 11877), (214, 11976), (219, 12015), (220, 12018), (227, 12048), (232, 12075), (236, 12102), (239, 12147), (255, 12270), (270, 12318), (277, 12348), (281, 12369), (286, 12435), (291, 12543), (293, 12567), (294, 12573), (296, 12588), (299, 12603), (300, 12639), (302, 12702), (303, 12705), (304, 12717), (305, 12738), (307, 12798), (313, 12978),

Gene: Piper2020_15 Start: 9353, Stop: 12883, Start Num: 2
Candidate Starts for Piper2020_15:
(Start: 1 @9332 has 43 MA's), (Start: 2 @9353 has 204 MA's), (3, 9365), (5, 9404), (6, 9431), (10, 9533), (12, 9605), (26, 9647), (28, 9659), (29, 9665), (33, 9728), (34, 9743), (43, 9860), (47, 9893), (49, 9911), (51, 9935), (54, 9980), (56, 9998), (58, 10010), (61, 10067), (62, 10082), (63, 10100), (65, 10115), (66, 10118), (70, 10157), (73, 10199), (75, 10229), (77, 10235), (79, 10265), (81, 10301), (82, 10310), (83, 10322), (85, 10355), (86, 10370), (87, 10397), (90, 10418), (91, 10430), (92, 10439), (97,

10535), (98, 10544), (102, 10580), (103, 10592), (106, 10625), (109, 10646), (121, 10721), (122, 10727), (126, 10739), (137, 10841), (142, 10916), (154, 11045), (156, 11057), (160, 11126), (161, 11135), (164, 11186), (165, 11201), (166, 11204), (167, 11222), (168, 11243), (169, 11261), (173, 11333), (175, 11387), (176, 11423), (177, 11429), (178, 11462), (180, 11495), (184, 11546), (186, 11579), (187, 11603), (188, 11606), (189, 11615), (191, 11660), (192, 11663), (195, 11687), (198, 11759), (199, 11765), (232, 11963), (235, 11981), (238, 12014), (239, 12035), (250, 12137), (255, 12161), (270, 12209), (278, 12260), (286, 12326), (291, 12434), (293, 12458), (294, 12464), (296, 12479), (297, 12485), (299, 12494), (300, 12530), (302, 12593), (303, 12596), (305, 12629), (306, 12668), (307, 12689), (313, 12869),

Gene: Pippy_14 Start: 9474, Stop: 13001, Start Num: 2
Candidate Starts for Pippy_14:
(Start: 1 @9453 has 43 MA's), (Start: 2 @9474 has 204 MA's), (3, 9486), (5, 9525), (6, 9552), (10, 9654), (11, 9702), (12, 9726), (28, 9780), (29, 9786), (33, 9849), (34, 9864), (43, 9981), (47, 10014), (49, 10032), (51, 10056), (54, 10101), (56, 10119), (58, 10131), (62, 10203), (65, 10236), (66, 10239), (70, 10278), (73, 10320), (75, 10350), (77, 10356), (79, 10386), (81, 10422), (82, 10431), (83, 10443), (85, 10476), (86, 10491), (87, 10518), (90, 10539), (91, 10551), (92, 10560), (97, 10656), (98, 10665), (102, 10701), (103, 10713), (106, 10746), (109, 10767), (121, 10842), (126, 10860), (137, 10962), (142, 11037), (154, 11166), (156, 11178), (160, 11247), (164, 11310), (165, 11325), (166, 11328), (167, 11346), (168, 11367), (169, 11385), (173, 11457), (175, 11511), (176, 11547), (177, 11553), (178, 11586), (180, 11619), (184, 11670), (186, 11703), (187, 11727), (188, 11730), (189, 11739), (191, 11784), (192, 11787), (193, 11793), (195, 11811), (198, 11880), (199, 11886), (214, 11985), (219, 12024), (220, 12027), (227, 12057), (232, 12084), (236, 12111), (239, 12156), (255, 12279), (270, 12327), (277, 12357), (281, 12378), (286, 12444), (291, 12552), (293, 12576), (294, 12582), (296, 12597), (299, 12612), (300, 12648), (302, 12711), (303, 12714), (304, 12726), (305, 12747), (306, 12786), (307, 12807), (313, 12987),

Gene: Plumbus_15 Start: 9324, Stop: 12866, Start Num: 1
Candidate Starts for Plumbus_15:
(Start: 1 @9324 has 43 MA's), (Start: 2 @9345 has 204 MA's), (3, 9357), (5, 9396), (6, 9423), (10, 9525), (11, 9573), (12, 9597), (26, 9639), (27, 9642), (28, 9651), (29, 9657), (33, 9720), (34, 9735), (43, 9852), (47, 9885), (49, 9903), (51, 9927), (54, 9972), (56, 9990), (58, 10002), (62, 10074), (65, 10107), (66, 10110), (70, 10149), (72, 10167), (73, 10191), (75, 10221), (77, 10227), (79, 10257), (81, 10293), (82, 10302), (83, 10314), (85, 10347), (90, 10410), (91, 10422), (92, 10431), (97, 10527), (98, 10536), (102, 10572), (103, 10584), (106, 10617), (109, 10638), (121, 10713), (122, 10719), (126, 10731), (137, 10833), (142, 10908), (154, 11037), (156, 11049), (160, 11118), (163, 11142), (164, 11178), (165, 11193), (166, 11196), (167, 11214), (168, 11235), (169, 11253), (173, 11325), (175, 11379), (176, 11415), (177, 11421), (178, 11454), (180, 11487), (184, 11538), (186, 11571), (187, 11595), (188, 11598), (189, 11607), (191, 11652), (192, 11655), (193, 11661), (195, 11679), (198, 11748), (199, 11754), (214, 11853), (219, 11892), (220, 11895), (227, 11925), (236, 11979), (239, 12024), (255, 12147), (270, 12195), (277, 12225), (281, 12246), (286, 12312), (291, 12420), (293, 12444), (294, 12450), (296, 12465), (299, 12480), (300, 12516), (302, 12579), (303, 12582), (304, 12594), (305, 12615), (306, 12654), (307, 12675), (313, 12852),

Gene: Poenanya_14 Start: 9465, Stop: 13145, Start Num: 1
Candidate Starts for Poenanya_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (49, 10044), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (90, 10551), (92, 10572), (94, 10614), (96, 10647), (99, 10689), (100, 10701), (104, 10746), (106, 10758), (116, 10809), (117, 10818), (126, 10854), (128, 10860), (132, 10872), (136, 10935), (139, 10983), (145, 11046), (146, 11049), (148, 11058), (160, 11223), (164, 11286), (165,

11301), (166, 11304), (167, 11322), (168, 11343), (169, 11361), (173, 11433), (175, 11487), (176, 11523), (177, 11529), (178, 11562), (180, 11595), (184, 11646), (186, 11679), (187, 11703), (188, 11706), (189, 11715), (191, 11760), (192, 11763), (195, 11787), (200, 11877), (217, 12024), (221, 12045), (239, 12186), (244, 12210), (246, 12237), (268, 12417), (270, 12447), (280, 12519), (287, 12606), (291, 12699), (293, 12723), (294, 12729), (296, 12744), (297, 12750), (299, 12759), (300, 12795), (302, 12858), (303, 12861), (305, 12894), (306, 12933), (307, 12954), (313, 13131),

Gene: Polka14_15 Start: 10026, Stop: 13553, Start Num: 2
Candidate Starts for Polka14_15:
(Start: 2 @10026 has 204 MA's), (5, 10077), (6, 10104), (10, 10206), (12, 10278), (28, 10332), (29, 10338), (33, 10401), (34, 10416), (43, 10533), (47, 10566), (49, 10584), (51, 10608), (54, 10653), (56, 10671), (58, 10683), (62, 10755), (63, 10773), (65, 10788), (66, 10791), (70, 10830), (73, 10872), (75, 10902), (77, 10908), (79, 10938), (81, 10974), (82, 10983), (83, 10995), (85, 11028), (86, 11043), (87, 11070), (90, 11091), (91, 11103), (92, 11112), (97, 11208), (98, 11217), (102, 11253), (103, 11265), (106, 11298), (109, 11319), (120, 11385), (121, 11394), (126, 11412), (137, 11514), (142, 11589), (151, 11658), (154, 11718), (156, 11730), (160, 11799), (161, 11808), (164, 11862), (165, 11877), (166, 11880), (167, 11898), (168, 11919), (169, 11937), (173, 12009), (175, 12063), (176, 12099), (177, 12105), (178, 12138), (180, 12171), (184, 12222), (186, 12255), (187, 12279), (188, 12282), (189, 12291), (191, 12336), (192, 12339), (193, 12345), (195, 12363), (198, 12432), (199, 12438), (214, 12537), (219, 12576), (220, 12579), (227, 12609), (236, 12663), (239, 12708), (255, 12831), (270, 12879), (277, 12909), (281, 12930), (286, 12996), (291, 13104), (293, 13128), (294, 13134), (296, 13149), (299, 13164), (300, 13200), (302, 13263), (303, 13266), (304, 13278), (305, 13299), (307, 13359), (313, 13539),

Gene: Pollywog_15 Start: 9339, Stop: 12830, Start Num: 2
Candidate Starts for Pollywog_15:
(Start: 1 @9318 has 43 MA's), (Start: 2 @9339 has 204 MA's), (3, 9351), (5, 9390), (6, 9417), (10, 9519), (11, 9567), (12, 9591), (26, 9633), (27, 9636), (28, 9645), (29, 9651), (33, 9714), (34, 9729), (43, 9846), (47, 9879), (49, 9897), (51, 9921), (54, 9966), (56, 9984), (58, 9996), (61, 10053), (62, 10068), (63, 10086), (65, 10101), (66, 10104), (70, 10143), (73, 10185), (75, 10215), (77, 10221), (79, 10251), (81, 10287), (82, 10296), (83, 10308), (85, 10341), (86, 10356), (87, 10383), (90, 10404), (92, 10425), (94, 10467), (96, 10500), (99, 10542), (100, 10554), (104, 10599), (106, 10611), (116, 10662), (117, 10671), (126, 10707), (128, 10713), (132, 10725), (136, 10788), (139, 10836), (145, 10899), (146, 10902), (148, 10911), (160, 11076), (164, 11139), (165, 11154), (166, 11157), (167, 11175), (168, 11196), (169, 11214), (173, 11286), (175, 11340), (176, 11376), (177, 11382), (178, 11415), (180, 11448), (184, 11499), (186, 11532), (187, 11556), (188, 11559), (189, 11568), (191, 11613), (192, 11616), (193, 11622), (195, 11640), (198, 11709), (199, 11715), (214, 11814), (219, 11853), (220, 11856), (227, 11886), (232, 11913), (236, 11940), (239, 11985), (255, 12108), (270, 12156), (277, 12186), (281, 12207), (286, 12273), (291, 12381), (293, 12405), (294, 12411), (296, 12426), (299, 12441), (300, 12477), (302, 12540), (303, 12543), (304, 12555), (305, 12576), (307, 12636), (313, 12816),

Gene: Polo2Bam_15 Start: 9507, Stop: 13034, Start Num: 2
Candidate Starts for Polo2Bam_15:
(Start: 2 @9507 has 204 MA's), (3, 9519), (5, 9558), (6, 9585), (8, 9642), (10, 9687), (12, 9759), (28, 9813), (29, 9819), (33, 9882), (34, 9897), (43, 10014), (47, 10047), (51, 10089), (54, 10134), (56, 10152), (58, 10164), (62, 10236), (65, 10269), (66, 10272), (70, 10311), (73, 10353), (75, 10383), (77, 10389), (79, 10419), (81, 10455), (82, 10464), (83, 10476), (90, 10572), (96, 10668), (97, 10689), (98, 10698), (101, 10731), (102, 10734), (103, 10746), (109, 10800), (112, 10812), (120, 10866), (121, 10875), (137, 10995), (151, 11139), (154, 11199), (156, 11211), (160, 11280), (163, 11304), (165, 11358), (166, 11361), (168, 11400), (169, 11418), (173, 11490), (175, 11544), (176, 11580), (177, 11586), (180, 11652), (184, 11703), (186, 11736), (187, 11760), (188, 11763), (189, 11772), (191, 11817), (192, 11820), (193, 11826), (195, 11844), (198, 11913), (199, 11919), (214, 12018), (219,

12057), (220, 12060), (227, 12090), (232, 12117), (236, 12144), (239, 12189), (242, 12201), (250, 12288), (255, 12312), (270, 12360), (277, 12390), (281, 12411), (286, 12477), (291, 12585), (293, 12609), (294, 12615), (296, 12630), (299, 12645), (300, 12681), (302, 12744), (303, 12747), (305, 12780), (307, 12840), (313, 13020),

Gene: PopTart_14 Start: 9532, Stop: 13062, Start Num: 2
Candidate Starts for PopTart_14:
(Start: 2 @9532 has 204 MA's), (3, 9544), (5, 9583), (6, 9610), (8, 9667), (10, 9712), (12, 9784), (28, 9838), (29, 9844), (32, 9868), (33, 9907), (34, 9922), (43, 10039), (47, 10072), (51, 10114), (54, 10159), (56, 10177), (58, 10189), (62, 10261), (65, 10294), (66, 10297), (70, 10336), (73, 10378), (75, 10408), (77, 10414), (79, 10444), (81, 10480), (82, 10489), (83, 10501), (90, 10597), (96, 10693), (98, 10723), (101, 10756), (102, 10759), (103, 10771), (109, 10825), (112, 10837), (120, 10891), (121, 10900), (137, 11020), (151, 11164), (154, 11224), (156, 11236), (160, 11305), (163, 11329), (165, 11386), (166, 11389), (168, 11428), (169, 11446), (173, 11518), (175, 11572), (176, 11608), (177, 11614), (180, 11680), (184, 11731), (186, 11764), (187, 11788), (188, 11791), (189, 11800), (191, 11845), (192, 11848), (193, 11854), (195, 11872), (198, 11941), (199, 11947), (214, 12046), (232, 12145), (235, 12163), (239, 12217), (242, 12229), (250, 12316), (255, 12340), (270, 12388), (277, 12418), (281, 12439), (286, 12505), (291, 12613), (293, 12637), (294, 12643), (296, 12658), (299, 12673), (300, 12709), (302, 12772), (303, 12775), (304, 12787), (305, 12808), (307, 12868), (313, 13048),

Gene: Priscilla_14 Start: 9492, Stop: 13019, Start Num: 2
Candidate Starts for Priscilla_14:
(Start: 1 @9471 has 43 MA's), (Start: 2 @9492 has 204 MA's), (3, 9504), (5, 9543), (6, 9570), (10, 9672), (11, 9720), (12, 9744), (26, 9786), (27, 9789), (28, 9798), (29, 9804), (33, 9867), (34, 9882), (43, 9999), (47, 10032), (49, 10050), (51, 10074), (54, 10119), (56, 10137), (58, 10149), (62, 10221), (65, 10254), (66, 10257), (70, 10296), (73, 10338), (75, 10368), (77, 10374), (79, 10404), (81, 10440), (82, 10449), (83, 10461), (85, 10494), (86, 10509), (90, 10557), (91, 10569), (97, 10674), (98, 10683), (102, 10719), (103, 10731), (106, 10764), (109, 10785), (121, 10860), (126, 10878), (137, 10980), (142, 11055), (154, 11184), (156, 11196), (160, 11265), (164, 11328), (165, 11343), (166, 11346), (167, 11364), (168, 11385), (169, 11403), (173, 11475), (175, 11529), (176, 11565), (177, 11571), (178, 11604), (180, 11637), (184, 11688), (186, 11721), (187, 11745), (188, 11748), (189, 11757), (191, 11802), (192, 11805), (193, 11811), (195, 11829), (198, 11898), (199, 11904), (214, 12003), (219, 12042), (220, 12045), (227, 12075), (236, 12129), (239, 12174), (255, 12297), (270, 12345), (277, 12375), (281, 12396), (286, 12462), (291, 12570), (293, 12594), (294, 12600), (296, 12615), (299, 12630), (300, 12666), (302, 12729), (303, 12732), (304, 12744), (305, 12765), (306, 12804), (307, 12825), (313, 13005),

Gene: QuickMath_14 Start: 9533, Stop: 13054, Start Num: 2
Candidate Starts for QuickMath_14:
(Start: 2 @9533 has 204 MA's), (3, 9545), (5, 9584), (6, 9611), (8, 9668), (10, 9713), (12, 9785), (26, 9827), (27, 9830), (28, 9839), (29, 9845), (33, 9908), (34, 9923), (43, 10040), (47, 10073), (51, 10115), (54, 10160), (56, 10178), (58, 10190), (62, 10262), (65, 10295), (66, 10298), (70, 10337), (73, 10379), (75, 10409), (77, 10415), (79, 10445), (81, 10481), (82, 10490), (83, 10502), (90, 10598), (96, 10694), (98, 10724), (101, 10757), (102, 10760), (103, 10772), (109, 10826), (112, 10838), (120, 10892), (121, 10901), (137, 11021), (151, 11165), (154, 11225), (156, 11237), (160, 11306), (163, 11330), (165, 11381), (166, 11384), (168, 11423), (169, 11441), (175, 11567), (176, 11603), (177, 11609), (180, 11675), (184, 11726), (186, 11759), (187, 11783), (188, 11786), (189, 11795), (191, 11840), (192, 11843), (193, 11849), (195, 11867), (198, 11936), (199, 11942), (214, 12041), (219, 12080), (220, 12083), (227, 12113), (232, 12140), (236, 12167), (239, 12212), (255, 12335), (270, 12383), (277, 12413), (281, 12434), (286, 12500), (288, 12524), (291, 12608), (293, 12632), (294, 12638), (296, 12653), (297, 12659), (299, 12668), (300, 12704), (302, 12767), (303, 12770), (305, 12803), (306, 12842), (307, 12863), (313, 13040),

Gene: Quico_15 Start: 9357, Stop: 12845, Start Num: 2
Candidate Starts for Quico_15:
(Start: 1 @9336 has 43 MA's), (Start: 2 @9357 has 204 MA's), (3, 9369), (5, 9408), (6, 9435), (8, 9492), (10, 9537), (12, 9609), (28, 9663), (29, 9669), (32, 9693), (33, 9732), (34, 9747), (43, 9864), (47, 9897), (51, 9939), (54, 9984), (56, 10002), (58, 10014), (62, 10086), (65, 10119), (66, 10122), (70, 10161), (73, 10203), (75, 10233), (77, 10239), (79, 10269), (81, 10305), (82, 10314), (83, 10326), (85, 10359), (86, 10374), (90, 10422), (92, 10443), (94, 10485), (96, 10518), (99, 10560), (100, 10572), (104, 10617), (106, 10629), (116, 10680), (117, 10689), (125, 10722), (126, 10725), (128, 10731), (132, 10743), (136, 10806), (145, 10917), (146, 10920), (148, 10929), (161, 11103), (164, 11154), (165, 11169), (166, 11172), (167, 11190), (168, 11211), (169, 11229), (173, 11301), (175, 11355), (176, 11391), (177, 11397), (180, 11463), (184, 11514), (186, 11547), (187, 11571), (188, 11574), (189, 11583), (191, 11628), (192, 11631), (195, 11655), (198, 11724), (199, 11730), (214, 11829), (219, 11868), (220, 11871), (227, 11901), (236, 11955), (239, 12000), (255, 12123), (270, 12171), (277, 12201), (281, 12222), (282, 12237), (286, 12288), (291, 12396), (293, 12420), (294, 12426), (296, 12441), (299, 12456), (300, 12492), (302, 12555), (303, 12558), (305, 12591), (307, 12651), (313, 12831),

Gene: Radiance_14 Start: 9485, Stop: 13009, Start Num: 2
Candidate Starts for Radiance_14:
(Start: 1 @9464 has 43 MA's), (Start: 2 @9485 has 204 MA's), (3, 9497), (5, 9536), (6, 9563), (10, 9665), (11, 9713), (12, 9737), (26, 9779), (28, 9791), (29, 9797), (33, 9860), (34, 9875), (43, 9992), (47, 10025), (51, 10067), (54, 10112), (56, 10130), (58, 10142), (62, 10214), (65, 10247), (66, 10250), (70, 10289), (73, 10331), (75, 10361), (77, 10367), (79, 10397), (81, 10433), (82, 10442), (83, 10454), (85, 10487), (90, 10550), (92, 10571), (97, 10667), (98, 10676), (102, 10712), (103, 10724), (106, 10757), (109, 10778), (120, 10844), (121, 10853), (126, 10871), (137, 10973), (142, 11048), (151, 11117), (154, 11177), (156, 11189), (160, 11258), (164, 11318), (165, 11333), (166, 11336), (167, 11354), (168, 11375), (169, 11393), (173, 11465), (175, 11519), (176, 11555), (177, 11561), (178, 11594), (180, 11627), (184, 11678), (186, 11711), (187, 11735), (188, 11738), (189, 11747), (191, 11792), (192, 11795), (193, 11801), (195, 11819), (198, 11888), (199, 11894), (214, 11993), (219, 12032), (220, 12035), (227, 12065), (236, 12119), (239, 12164), (255, 12287), (270, 12335), (277, 12365), (281, 12386), (286, 12452), (291, 12560), (293, 12584), (294, 12590), (296, 12605), (299, 12620), (300, 12656), (302, 12719), (303, 12722), (304, 12734), (305, 12755), (306, 12794), (307, 12815), (313, 12995),

Gene: Ramsey_15 Start: 9342, Stop: 13040, Start Num: 2
Candidate Starts for Ramsey_15:
(Start: 1 @9321 has 43 MA's), (Start: 2 @9342 has 204 MA's), (5, 9393), (6, 9420), (10, 9522), (11, 9570), (12, 9594), (26, 9636), (27, 9639), (28, 9648), (29, 9654), (33, 9717), (34, 9732), (43, 9849), (47, 9882), (51, 9924), (54, 9969), (56, 9987), (58, 9999), (62, 10071), (65, 10104), (66, 10107), (70, 10146), (73, 10188), (75, 10218), (77, 10224), (79, 10254), (81, 10290), (82, 10299), (83, 10311), (85, 10344), (87, 10386), (90, 10407), (91, 10419), (92, 10428), (97, 10524), (98, 10533), (101, 10566), (102, 10569), (103, 10581), (106, 10614), (109, 10635), (121, 10710), (122, 10716), (126, 10728), (137, 10830), (142, 10905), (154, 11034), (156, 11046), (160, 11115), (164, 11175), (165, 11190), (166, 11193), (167, 11211), (168, 11232), (169, 11250), (173, 11322), (175, 11376), (176, 11412), (177, 11418), (178, 11451), (180, 11484), (184, 11535), (186, 11568), (187, 11592), (188, 11595), (189, 11604), (191, 11649), (192, 11652), (195, 11676), (200, 11769), (217, 11916), (221, 11937), (239, 12078), (244, 12102), (246, 12129), (268, 12309), (270, 12339), (287, 12498), (291, 12591), (293, 12615), (294, 12621), (296, 12636), (297, 12642), (299, 12651), (300, 12687), (302, 12750), (303, 12753), (305, 12786), (306, 12825), (307, 12846), (313, 13026),

Gene: RedBird_14 Start: 9486, Stop: 12971, Start Num: 2
Candidate Starts for RedBird_14:

(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (12, 9738), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (86, 10503), (87, 10530), (90, 10551), (92, 10572), (94, 10614), (96, 10647), (99, 10689), (100, 10701), (104, 10746), (106, 10758), (116, 10809), (117, 10818), (126, 10854), (128, 10860), (132, 10872), (136, 10935), (139, 10983), (145, 11046), (146, 11049), (148, 11058), (160, 11223), (164, 11286), (165, 11301), (166, 11304), (167, 11322), (168, 11343), (169, 11361), (173, 11433), (175, 11487), (176, 11523), (177, 11529), (180, 11595), (184, 11646), (186, 11679), (187, 11703), (188, 11706), (189, 11715), (191, 11760), (192, 11763), (193, 11769), (195, 11787), (198, 11856), (199, 11862), (214, 11961), (219, 12000), (220, 12003), (227, 12033), (232, 12060), (236, 12087), (239, 12132), (255, 12255), (270, 12300), (277, 12330), (281, 12351), (286, 12417), (291, 12525), (293, 12549), (294, 12555), (296, 12570), (299, 12585), (300, 12621), (302, 12684), (303, 12687), (305, 12720), (306, 12759), (307, 12780), (313, 12957),

Gene: Renaud18_15 Start: 9814, Stop: 13338, Start Num: 2
Candidate Starts for Renaud18_15:
(Start: 2 @9814 has 204 MA's), (4, 9844), (9, 9937), (11, 9985), (28, 10063), (32, 10093), (34, 10147), (35, 10153), (39, 10204), (41, 10255), (45, 10306), (47, 10318), (50, 10339), (52, 10378), (53, 10393), (55, 10414), (57, 10426), (63, 10516), (64, 10522), (71, 10582), (72, 10588), (73, 10612), (76, 10645), (77, 10648), (78, 10657), (81, 10714), (84, 10759), (85, 10768), (88, 10810), (89, 10813), (92, 10843), (93, 10855), (97, 10939), (103, 10996), (104, 11017), (105, 11020), (112, 11059), (114, 11080), (118, 11113), (122, 11131), (124, 11137), (131, 11158), (133, 11185), (135, 11215), (137, 11242), (140, 11296), (142, 11317), (143, 11326), (149, 11359), (150, 11383), (151, 11386), (155, 11455), (156, 11461), (165, 11584), (168, 11626), (170, 11647), (171, 11686), (173, 11716), (174, 11731), (178, 11845), (179, 11848), (180, 11878), (181, 11887), (182, 11920), (185, 11971), (187, 12007), (188, 12010), (189, 12019), (191, 12064), (192, 12067), (194, 12076), (197, 12154), (200, 12181), (214, 12274), (220, 12316), (227, 12346), (236, 12400), (239, 12445), (258, 12595), (267, 12646), (277, 12694), (285, 12757), (286, 12772), (287, 12781), (290, 12853), (292, 12889), (295, 12910), (298, 12931), (299, 12934), (302, 13033), (303, 13036), (305, 13069), (309, 13183), (314, 13333),

Gene: Rialto_16 Start: 9885, Stop: 13517, Start Num: 2
Candidate Starts for Rialto_16:
(Start: 2 @9885 has 204 MA's), (5, 9936), (6, 9963), (10, 10065), (11, 10113), (12, 10137), (28, 10191), (29, 10197), (33, 10260), (34, 10275), (43, 10392), (47, 10425), (49, 10443), (51, 10467), (54, 10512), (56, 10530), (62, 10614), (65, 10647), (66, 10650), (70, 10689), (73, 10731), (75, 10761), (77, 10767), (79, 10797), (81, 10833), (82, 10842), (83, 10854), (85, 10887), (87, 10929), (90, 10950), (92, 10971), (94, 11013), (96, 11046), (99, 11088), (100, 11100), (104, 11145), (106, 11157), (116, 11208), (117, 11217), (125, 11250), (126, 11253), (128, 11259), (132, 11271), (136, 11334), (145, 11445), (146, 11448), (148, 11457), (160, 11622), (164, 11682), (165, 11697), (166, 11700), (167, 11718), (168, 11739), (169, 11757), (173, 11829), (175, 11883), (176, 11919), (177, 11925), (178, 11958), (180, 11991), (184, 12042), (186, 12075), (187, 12099), (188, 12102), (189, 12111), (191, 12156), (192, 12159), (195, 12183), (198, 12252), (199, 12258), (227, 12429), (236, 12483), (239, 12528), (257, 12687), (259, 12726), (265, 12750), (267, 12756), (268, 12762), (271, 12798), (286, 12963), (291, 13071), (293, 13095), (294, 13101), (296, 13116), (297, 13122), (299, 13131), (300, 13167), (302, 13230), (303, 13233), (305, 13266), (306, 13305), (307, 13326), (313, 13503),

Gene: Rita_14 Start: 9501, Stop: 13028, Start Num: 2
Candidate Starts for Rita_14:
(Start: 2 @9501 has 204 MA's), (3, 9513), (5, 9552), (6, 9579), (8, 9636), (10, 9681), (12, 9753), (26, 9795), (27, 9798), (28, 9807), (29, 9813), (33, 9876), (34, 9891), (43, 10008), (47, 10041), (51, 10083), (54, 10128), (56, 10146), (58, 10158), (62, 10230), (65, 10263), (66, 10266), (70, 10305), (73, 10347), (75, 10377), (77, 10383), (79, 10413), (81, 10449), (82, 10458), (83, 10470), (90, 10566), (96, 10662),

(98, 10692), (101, 10725), (102, 10728), (103, 10740), (109, 10794), (112, 10806), (120, 10860), (121, 10869), (137, 10989), (151, 11133), (154, 11193), (156, 11205), (160, 11274), (163, 11298), (165, 11352), (166, 11355), (168, 11394), (169, 11412), (173, 11484), (175, 11538), (176, 11574), (177, 11580), (180, 11646), (184, 11697), (186, 11730), (187, 11754), (188, 11757), (189, 11766), (191, 11811), (192, 11814), (193, 11820), (195, 11838), (198, 11907), (199, 11913), (214, 12012), (216, 12033), (232, 12111), (235, 12129), (239, 12183), (242, 12195), (250, 12282), (255, 12306), (270, 12354), (277, 12384), (281, 12405), (286, 12471), (291, 12579), (293, 12603), (294, 12609), (296, 12624), (299, 12639), (300, 12675), (302, 12738), (303, 12741), (304, 12753), (305, 12774), (307, 12834), (313, 13014),

Gene: RitaG_14 Start: 9438, Stop: 13154, Start Num: 1
Candidate Starts for RitaG_14:
(Start: 1 @9438 has 43 MA's), (Start: 2 @9459 has 204 MA's), (3, 9471), (5, 9510), (6, 9537), (10, 9639), (11, 9687), (12, 9711), (26, 9753), (28, 9765), (29, 9771), (33, 9834), (34, 9849), (43, 9966), (47, 9999), (51, 10041), (54, 10086), (56, 10104), (58, 10116), (62, 10188), (65, 10221), (66, 10224), (70, 10263), (73, 10305), (75, 10335), (77, 10341), (79, 10371), (81, 10407), (82, 10416), (83, 10428), (85, 10461), (90, 10524), (92, 10545), (97, 10641), (98, 10650), (102, 10686), (103, 10698), (106, 10731), (109, 10752), (120, 10818), (121, 10827), (126, 10845), (137, 10947), (142, 11022), (151, 11091), (154, 11151), (156, 11163), (160, 11232), (161, 11241), (164, 11295), (165, 11310), (166, 11313), (167, 11331), (168, 11352), (169, 11370), (173, 11442), (175, 11496), (176, 11532), (177, 11538), (178, 11571), (180, 11604), (184, 11655), (186, 11688), (187, 11712), (188, 11715), (189, 11724), (191, 11769), (192, 11772), (195, 11796), (200, 11886), (217, 12033), (221, 12054), (239, 12195), (244, 12219), (246, 12246), (268, 12426), (270, 12456), (280, 12528), (287, 12615), (291, 12708), (293, 12732), (294, 12738), (296, 12753), (297, 12759), (299, 12768), (300, 12804), (302, 12867), (303, 12870), (305, 12903), (306, 12942), (307, 12963), (313, 13140),

Gene: Rockne_14 Start: 9503, Stop: 12994, Start Num: 2
Candidate Starts for Rockne_14:
(Start: 1 @9482 has 43 MA's), (Start: 2 @9503 has 204 MA's), (3, 9515), (5, 9554), (6, 9581), (10, 9683), (11, 9731), (12, 9755), (26, 9797), (28, 9809), (29, 9815), (33, 9878), (34, 9893), (43, 10010), (47, 10043), (49, 10061), (51, 10085), (54, 10130), (56, 10148), (58, 10160), (61, 10217), (62, 10232), (63, 10250), (65, 10265), (66, 10268), (70, 10307), (73, 10349), (75, 10379), (77, 10385), (79, 10415), (81, 10451), (82, 10460), (83, 10472), (85, 10505), (87, 10547), (90, 10568), (91, 10580), (92, 10589), (94, 10631), (96, 10664), (99, 10706), (100, 10718), (104, 10763), (106, 10775), (116, 10826), (117, 10835), (126, 10871), (128, 10877), (132, 10889), (136, 10952), (139, 11000), (145, 11063), (146, 11066), (148, 11075), (160, 11240), (164, 11303), (165, 11318), (166, 11321), (167, 11339), (168, 11360), (169, 11378), (173, 11450), (175, 11504), (176, 11540), (177, 11546), (178, 11579), (180, 11612), (184, 11663), (186, 11696), (187, 11720), (188, 11723), (189, 11732), (191, 11777), (192, 11780), (195, 11804), (198, 11873), (199, 11879), (214, 11978), (219, 12017), (220, 12020), (227, 12050), (232, 12077), (236, 12104), (239, 12149), (255, 12272), (270, 12320), (277, 12350), (281, 12371), (286, 12437), (291, 12545), (293, 12569), (294, 12575), (296, 12590), (299, 12605), (300, 12641), (302, 12704), (303, 12707), (304, 12719), (305, 12740), (307, 12800), (313, 12980),

Gene: RockyHorror_15 Start: 9343, Stop: 12870, Start Num: 2
Candidate Starts for RockyHorror_15:
(Start: 1 @9322 has 43 MA's), (Start: 2 @9343 has 204 MA's), (3, 9355), (5, 9394), (6, 9421), (10, 9523), (11, 9571), (12, 9595), (26, 9637), (27, 9640), (28, 9649), (29, 9655), (33, 9718), (34, 9733), (43, 9850), (47, 9883), (49, 9901), (51, 9925), (54, 9970), (56, 9988), (58, 10000), (62, 10072), (65, 10105), (66, 10108), (70, 10147), (73, 10189), (75, 10219), (77, 10225), (79, 10255), (81, 10291), (82, 10300), (83, 10312), (85, 10345), (87, 10387), (90, 10408), (91, 10420), (92, 10429), (97, 10525), (98, 10534), (102, 10570), (103, 10582), (106, 10615), (109, 10636), (121, 10711), (122, 10717), (126, 10729), (137, 10831), (151, 10975), (154, 11035), (156, 11047), (160, 11116), (163, 11140), (164, 11179), (165, 11194), (166, 11197), (167, 11215), (168, 11236), (169, 11254), (173, 11326), (175, 11380),

(176, 11416), (177, 11422), (180, 11488), (184, 11539), (186, 11572), (187, 11596), (188, 11599), (189, 11608), (191, 11653), (192, 11656), (193, 11662), (195, 11680), (198, 11749), (199, 11755), (214, 11854), (216, 11875), (232, 11953), (235, 11971), (239, 12025), (250, 12124), (255, 12148), (270, 12196), (277, 12226), (281, 12247), (286, 12313), (291, 12421), (293, 12445), (294, 12451), (296, 12466), (299, 12481), (300, 12517), (302, 12580), (303, 12583), (304, 12595), (305, 12616), (306, 12655), (307, 12676), (313, 12856),

Gene: Royals2015_14 Start: 9531, Stop: 13058, Start Num: 2
Candidate Starts for Royals2015_14:
(Start: 2 @9531 has 204 MA's), (3, 9543), (5, 9582), (6, 9609), (8, 9666), (10, 9711), (12, 9783), (28, 9837), (29, 9843), (33, 9906), (34, 9921), (43, 10038), (47, 10071), (51, 10113), (54, 10158), (56, 10176), (58, 10188), (62, 10260), (65, 10293), (66, 10296), (70, 10335), (73, 10377), (75, 10407), (77, 10413), (79, 10443), (81, 10479), (82, 10488), (83, 10500), (90, 10596), (96, 10692), (98, 10722), (101, 10755), (102, 10758), (103, 10770), (109, 10824), (112, 10836), (120, 10890), (121, 10899), (137, 11019), (151, 11163), (154, 11223), (156, 11235), (160, 11304), (163, 11328), (165, 11382), (166, 11385), (168, 11424), (169, 11442), (173, 11514), (175, 11568), (176, 11604), (177, 11610), (180, 11676), (184, 11727), (186, 11760), (187, 11784), (188, 11787), (189, 11796), (191, 11841), (192, 11844), (193, 11850), (195, 11868), (198, 11937), (199, 11943), (214, 12042), (219, 12081), (220, 12084), (227, 12114), (239, 12213), (255, 12336), (270, 12384), (277, 12414), (281, 12435), (286, 12501), (291, 12609), (293, 12633), (294, 12639), (296, 12654), (299, 12669), (300, 12705), (302, 12768), (303, 12771), (305, 12804), (307, 12864), (313, 13044),

Gene: Ruby_14 Start: 9475, Stop: 12981, Start Num: 1
Candidate Starts for Ruby_14:
(Start: 1 @9475 has 43 MA's), (Start: 2 @9496 has 204 MA's), (3, 9508), (5, 9547), (6, 9574), (8, 9631), (10, 9676), (11, 9724), (12, 9748), (28, 9802), (29, 9808), (33, 9871), (34, 9886), (43, 10003), (47, 10036), (51, 10078), (54, 10123), (56, 10141), (58, 10153), (62, 10225), (65, 10258), (66, 10261), (70, 10300), (73, 10342), (75, 10372), (77, 10378), (79, 10408), (81, 10444), (82, 10453), (83, 10465), (90, 10561), (94, 10624), (99, 10699), (104, 10756), (106, 10768), (112, 10789), (116, 10819), (125, 10861), (126, 10864), (128, 10870), (132, 10882), (148, 11068), (158, 11215), (160, 11230), (163, 11254), (165, 11308), (166, 11311), (168, 11350), (169, 11368), (173, 11440), (175, 11494), (176, 11530), (177, 11536), (180, 11602), (184, 11653), (186, 11686), (187, 11710), (188, 11713), (189, 11722), (191, 11767), (192, 11770), (193, 11776), (195, 11794), (198, 11863), (199, 11869), (214, 11968), (219, 12007), (220, 12010), (227, 12040), (232, 12067), (236, 12094), (239, 12139), (255, 12262), (270, 12310), (277, 12340), (281, 12361), (286, 12427), (291, 12535), (293, 12559), (294, 12565), (296, 12580), (299, 12595), (300, 12631), (302, 12694), (303, 12697), (305, 12730), (306, 12769), (307, 12790), (313, 12967),

Gene: SG4_14 Start: 9530, Stop: 13177, Start Num: 2
Candidate Starts for SG4_14:
(Start: 1 @9509 has 43 MA's), (Start: 2 @9530 has 204 MA's), (3, 9542), (5, 9581), (6, 9608), (8, 9665), (10, 9710), (12, 9782), (28, 9836), (29, 9842), (33, 9905), (34, 9920), (43, 10037), (47, 10070), (51, 10112), (54, 10157), (56, 10175), (58, 10187), (62, 10259), (65, 10292), (66, 10295), (70, 10334), (73, 10376), (75, 10406), (77, 10412), (79, 10442), (81, 10478), (82, 10487), (83, 10499), (90, 10595), (96, 10691), (98, 10721), (101, 10754), (102, 10757), (103, 10769), (109, 10823), (112, 10835), (120, 10889), (121, 10898), (137, 11018), (151, 11162), (154, 11222), (156, 11234), (160, 11303), (163, 11327), (164, 11366), (165, 11381), (166, 11384), (167, 11402), (168, 11423), (169, 11441), (173, 11513), (175, 11567), (176, 11603), (177, 11609), (180, 11675), (184, 11726), (186, 11759), (187, 11783), (188, 11786), (189, 11795), (191, 11840), (192, 11843), (193, 11849), (195, 11867), (198, 11936), (199, 11942), (207, 12008), (208, 12011), (209, 12014), (211, 12032), (213, 12044), (220, 12092), (222, 12101), (229, 12134), (234, 12161), (241, 12224), (247, 12275), (252, 12329), (255, 12344), (261, 12398), (265, 12407), (267, 12413), (269, 12449), (273, 12476), (281, 12554), (286, 12620), (291, 12728), (293, 12752), (294, 12758), (296, 12773), (299, 12788), (300, 12824), (302,

12887), (303, 12890), (304, 12902), (305, 12923), (307, 12983), (313, 13163),

Gene: Saal_14 Start: 9475, Stop: 12996, Start Num: 2
Candidate Starts for Saal_14:
(Start: 1 @9454 has 43 MA's), (Start: 2 @9475 has 204 MA's), (3, 9487), (5, 9526), (6, 9553), (8, 9610), (10, 9655), (12, 9727), (29, 9787), (33, 9850), (34, 9865), (43, 9982), (47, 10015), (49, 10033), (51, 10057), (54, 10102), (56, 10120), (58, 10132), (62, 10204), (65, 10237), (66, 10240), (70, 10279), (73, 10321), (75, 10351), (77, 10357), (79, 10387), (81, 10423), (82, 10432), (83, 10444), (85, 10477), (86, 10492), (87, 10519), (90, 10540), (91, 10552), (92, 10561), (97, 10657), (98, 10666), (101, 10699), (102, 10702), (103, 10714), (106, 10747), (109, 10768), (121, 10843), (122, 10849), (126, 10861), (137, 10963), (142, 11038), (154, 11167), (156, 11179), (160, 11245), (164, 11305), (165, 11320), (166, 11323), (167, 11341), (168, 11362), (169, 11380), (173, 11452), (175, 11506), (176, 11542), (177, 11548), (178, 11581), (180, 11614), (184, 11665), (186, 11698), (187, 11722), (188, 11725), (189, 11734), (191, 11779), (192, 11782), (193, 11788), (195, 11806), (198, 11875), (199, 11881), (214, 11980), (219, 12019), (220, 12022), (227, 12052), (232, 12079), (236, 12106), (239, 12151), (255, 12274), (266, 12301), (270, 12322), (277, 12352), (281, 12373), (286, 12439), (291, 12547), (293, 12571), (294, 12577), (296, 12592), (299, 12607), (300, 12643), (302, 12706), (303, 12709), (304, 12721), (305, 12742), (307, 12802), (313, 12982),

Gene: Sabbb_14 Start: 9504, Stop: 13181, Start Num: 2
Candidate Starts for Sabbb_14:
(Start: 1 @9483 has 43 MA's), (Start: 2 @9504 has 204 MA's), (3, 9516), (5, 9555), (6, 9582), (10, 9684), (11, 9732), (12, 9756), (26, 9798), (28, 9810), (29, 9816), (33, 9879), (34, 9894), (43, 10011), (47, 10044), (49, 10062), (51, 10086), (54, 10131), (56, 10149), (58, 10161), (61, 10218), (62, 10233), (63, 10251), (65, 10266), (66, 10269), (70, 10308), (73, 10350), (75, 10380), (77, 10386), (79, 10416), (81, 10452), (82, 10461), (83, 10473), (85, 10506), (86, 10521), (87, 10548), (90, 10569), (91, 10581), (92, 10590), (97, 10686), (98, 10695), (101, 10728), (102, 10731), (103, 10743), (106, 10776), (109, 10797), (112, 10809), (121, 10872), (122, 10878), (126, 10890), (137, 10992), (154, 11196), (156, 11208), (160, 11274), (161, 11283), (164, 11337), (165, 11352), (166, 11355), (167, 11373), (168, 11394), (169, 11412), (173, 11484), (175, 11538), (176, 11574), (177, 11580), (178, 11613), (180, 11646), (182, 11667), (184, 11697), (186, 11730), (187, 11754), (188, 11757), (189, 11766), (191, 11811), (192, 11814), (195, 11838), (198, 11907), (199, 11913), (214, 12012), (219, 12051), (220, 12054), (227, 12084), (236, 12138), (239, 12183), (257, 12342), (259, 12381), (264, 12408), (267, 12417), (268, 12423), (271, 12459), (286, 12627), (291, 12735), (293, 12759), (294, 12765), (296, 12780), (297, 12786), (299, 12795), (300, 12831), (303, 12897), (304, 12909), (305, 12930), (306, 12969), (307, 12990), (313, 13167),

Gene: Sandalphon_15 Start: 10043, Stop: 13567, Start Num: 2
Candidate Starts for Sandalphon_15:
(Start: 2 @10043 has 204 MA's), (5, 10094), (6, 10121), (8, 10178), (10, 10223), (12, 10295), (28, 10349), (29, 10355), (32, 10379), (33, 10418), (34, 10433), (43, 10550), (47, 10583), (49, 10601), (51, 10625), (54, 10670), (56, 10688), (58, 10700), (62, 10772), (65, 10805), (66, 10808), (70, 10847), (73, 10889), (75, 10919), (77, 10925), (79, 10955), (81, 10991), (82, 11000), (83, 11012), (85, 11045), (86, 11060), (90, 11108), (97, 11225), (98, 11234), (102, 11270), (103, 11282), (106, 11315), (109, 11336), (121, 11411), (126, 11429), (137, 11531), (142, 11606), (154, 11735), (156, 11747), (160, 11813), (164, 11876), (165, 11891), (166, 11894), (167, 11912), (168, 11933), (169, 11951), (173, 12023), (175, 12077), (176, 12113), (177, 12119), (180, 12185), (184, 12236), (186, 12269), (187, 12293), (188, 12296), (189, 12305), (191, 12350), (192, 12353), (193, 12359), (195, 12377), (198, 12446), (199, 12452), (214, 12551), (219, 12590), (220, 12593), (227, 12623), (232, 12650), (236, 12677), (239, 12722), (255, 12845), (270, 12893), (277, 12923), (281, 12944), (286, 13010), (291, 13118), (293, 13142), (294, 13148), (296, 13163), (299, 13178), (300, 13214), (302, 13277), (303, 13280), (304, 13292), (305, 13313), (307, 13373), (313, 13553),

Gene: Sarma624_15 Start: 9337, Stop: 12867, Start Num: 2
Candidate Starts for Sarma624_15:
(Start: 1 @9316 has 43 MA's), (Start: 2 @9337 has 204 MA's), (3, 9349), (5, 9388), (6, 9415), (10, 9517), (11, 9565), (12, 9589), (26, 9631), (28, 9643), (29, 9649), (33, 9712), (34, 9727), (43, 9844), (47, 9877), (51, 9919), (54, 9964), (56, 9982), (58, 9994), (62, 10066), (65, 10099), (66, 10102), (70, 10141), (73, 10183), (75, 10213), (77, 10219), (79, 10249), (81, 10285), (82, 10294), (83, 10306), (90, 10402), (96, 10498), (98, 10528), (101, 10561), (102, 10564), (103, 10576), (109, 10630), (112, 10642), (120, 10696), (121, 10705), (137, 10825), (151, 10969), (154, 11029), (156, 11041), (160, 11110), (161, 11119), (164, 11173), (165, 11188), (166, 11191), (168, 11230), (169, 11248), (173, 11320), (175, 11374), (176, 11410), (177, 11416), (178, 11449), (180, 11482), (184, 11533), (186, 11566), (187, 11590), (188, 11593), (189, 11602), (191, 11647), (192, 11650), (193, 11656), (195, 11674), (198, 11743), (199, 11749), (214, 11848), (232, 11947), (235, 11965), (239, 12019), (250, 12121), (255, 12145), (270, 12193), (277, 12223), (281, 12244), (286, 12310), (291, 12418), (293, 12442), (294, 12448), (296, 12463), (299, 12478), (300, 12514), (302, 12577), (303, 12580), (304, 12592), (305, 12613), (307, 12673), (313, 12853),

Gene: Sassafras_14 Start: 9486, Stop: 13145, Start Num: 2
Candidate Starts for Sassafras_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (26, 9780), (27, 9783), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47, 10026), (49, 10044), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (61, 10200), (62, 10215), (63, 10233), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (86, 10503), (87, 10530), (90, 10551), (92, 10572), (94, 10614), (96, 10647), (99, 10689), (100, 10701), (104, 10746), (106, 10758), (116, 10809), (117, 10818), (126, 10854), (128, 10860), (132, 10872), (136, 10935), (139, 10983), (145, 11046), (146, 11049), (148, 11058), (160, 11223), (164, 11286), (165, 11301), (166, 11304), (167, 11322), (168, 11343), (169, 11361), (173, 11433), (175, 11487), (176, 11523), (177, 11529), (178, 11562), (180, 11595), (184, 11646), (186, 11679), (187, 11703), (188, 11706), (189, 11715), (191, 11760), (192, 11763), (195, 11787), (200, 11877), (217, 12024), (221, 12045), (239, 12186), (244, 12210), (246, 12237), (268, 12417), (270, 12447), (287, 12606), (291, 12699), (293, 12723), (294, 12729), (296, 12744), (297, 12750), (299, 12759), (300, 12795), (302, 12858), (303, 12861), (305, 12894), (306, 12933), (307, 12954), (313, 13131),

Gene: SassyB_14 Start: 9532, Stop: 13062, Start Num: 2
Candidate Starts for SassyB_14:
(Start: 2 @9532 has 204 MA's), (3, 9544), (5, 9583), (6, 9610), (8, 9667), (10, 9712), (12, 9784), (28, 9838), (29, 9844), (32, 9868), (33, 9907), (34, 9922), (43, 10039), (47, 10072), (51, 10114), (54, 10159), (56, 10177), (58, 10189), (62, 10261), (65, 10294), (66, 10297), (70, 10336), (73, 10378), (75, 10408), (77, 10414), (79, 10444), (81, 10480), (82, 10489), (83, 10501), (90, 10597), (96, 10693), (98, 10723), (101, 10756), (102, 10759), (103, 10771), (109, 10825), (112, 10837), (120, 10891), (121, 10900), (137, 11020), (151, 11164), (154, 11224), (156, 11236), (160, 11305), (163, 11329), (165, 11386), (166, 11389), (168, 11428), (169, 11446), (173, 11518), (175, 11572), (176, 11608), (177, 11614), (180, 11680), (184, 11731), (186, 11764), (187, 11788), (188, 11791), (189, 11800), (191, 11845), (192, 11848), (193, 11854), (195, 11872), (198, 11941), (199, 11947), (214, 12046), (232, 12145), (235, 12163), (239, 12217), (242, 12229), (250, 12316), (255, 12340), (270, 12388), (277, 12418), (281, 12439), (286, 12505), (291, 12613), (293, 12637), (294, 12643), (296, 12658), (299, 12673), (300, 12709), (302, 12772), (303, 12775), (304, 12787), (305, 12808), (307, 12868), (313, 13048),

Gene: Scottish_14 Start: 9465, Stop: 13010, Start Num: 1
Candidate Starts for Scottish_14:
(Start: 1 @9465 has 43 MA's), (Start: 2 @9486 has 204 MA's), (3, 9498), (5, 9537), (6, 9564), (10, 9666), (11, 9714), (12, 9738), (26, 9780), (28, 9792), (29, 9798), (33, 9861), (34, 9876), (43, 9993), (47,

10026), (51, 10068), (54, 10113), (56, 10131), (58, 10143), (62, 10215), (65, 10248), (66, 10251), (70, 10290), (73, 10332), (75, 10362), (77, 10368), (79, 10398), (81, 10434), (82, 10443), (83, 10455), (85, 10488), (90, 10551), (92, 10572), (97, 10668), (98, 10677), (102, 10713), (103, 10725), (106, 10758), (109, 10779), (120, 10845), (121, 10854), (126, 10872), (137, 10974), (142, 11049), (151, 11118), (154, 11178), (156, 11190), (160, 11259), (161, 11268), (164, 11322), (165, 11337), (166, 11340), (167, 11358), (168, 11379), (169, 11397), (173, 11469), (175, 11523), (176, 11559), (177, 11565), (178, 11598), (180, 11631), (184, 11682), (186, 11715), (187, 11739), (188, 11742), (189, 11751), (191, 11796), (192, 11799), (195, 11823), (198, 11892), (199, 11898), (216, 12018), (232, 12096), (235, 12114), (238, 12147), (239, 12168), (250, 12270), (255, 12294), (270, 12342), (275, 12372), (278, 12393), (286, 12456), (291, 12564), (293, 12588), (294, 12594), (296, 12609), (297, 12615), (299, 12624), (300, 12660), (302, 12723), (303, 12726), (305, 12759), (306, 12798), (307, 12819), (313, 12996),

Gene: SeaLumen_14 Start: 9507, Stop: 13034, Start Num: 2
Candidate Starts for SeaLumen_14:
(Start: 2 @9507 has 204 MA's), (3, 9519), (5, 9558), (6, 9585), (8, 9642), (10, 9687), (12, 9759), (28, 9813), (29, 9819), (33, 9882), (34, 9897), (43, 10014), (47, 10047), (51, 10089), (54, 10134), (56, 10152), (58, 10164), (62, 10236), (65, 10269), (66, 10272), (70, 10311), (73, 10353), (75, 10383), (77, 10389), (79, 10419), (81, 10455), (82, 10464), (83, 10476), (90, 10572), (96, 10668), (97, 10689), (98, 10698), (101, 10731), (102, 10734), (103, 10746), (109, 10800), (112, 10812), (120, 10866), (121, 10875), (137, 10995), (151, 11139), (154, 11199), (156, 11211), (160, 11280), (163, 11304), (165, 11358), (166, 11361), (168, 11400), (169, 11418), (173, 11490), (175, 11544), (176, 11580), (177, 11586), (180, 11652), (184, 11703), (186, 11736), (187, 11760), (188, 11763), (189, 11772), (191, 11817), (192, 11820), (193, 11826), (195, 11844), (198, 11913), (199, 11919), (214, 12018), (219, 12057), (220, 12060), (227, 12090), (232, 12117), (236, 12144), (239, 12189), (242, 12201), (250, 12288), (255, 12312), (270, 12360), (277, 12390), (281, 12411), (286, 12477), (291, 12585), (293, 12609), (294, 12615), (296, 12630), (299, 12645), (300, 12681), (302, 12744), (303, 12747), (305, 12780), (307, 12840), (313, 13020),

Gene: Seabastian_14 Start: 9489, Stop: 13247, Start Num: 2
Candidate Starts for Seabastian_14:
(Start: 1 @9468 has 43 MA's), (Start: 2 @9489 has 204 MA's), (3, 9501), (5, 9540), (6, 9567), (10, 9669), (14, 9786), (16, 9834), (17, 9843), (18, 9888), (19, 9921), (20, 9930), (22, 9945), (23, 9954), (26, 10014), (27, 10017), (28, 10026), (29, 10032), (33, 10095), (34, 10110), (43, 10227), (47, 10260), (49, 10278), (51, 10302), (54, 10347), (56, 10365), (58, 10377), (61, 10434), (62, 10449), (65, 10482), (66, 10485), (70, 10524), (73, 10566), (75, 10596), (77, 10602), (79, 10632), (81, 10668), (82, 10677), (83, 10689), (85, 10722), (86, 10737), (90, 10785), (92, 10806), (97, 10902), (98, 10911), (102, 10947), (103, 10959), (106, 10992), (109, 11013), (112, 11025), (121, 11088), (122, 11094), (126, 11106), (137, 11208), (142, 11283), (154, 11412), (156, 11424), (160, 11493), (161, 11502), (164, 11553), (165, 11568), (166, 11571), (167, 11589), (168, 11610), (169, 11628), (173, 11700), (175, 11754), (176, 11790), (177, 11796), (178, 11829), (180, 11862), (184, 11913), (186, 11946), (187, 11970), (188, 11973), (189, 11982), (191, 12027), (192, 12030), (195, 12054), (198, 12126), (199, 12132), (205, 12180), (214, 12231), (219, 12270), (220, 12273), (227, 12303), (232, 12330), (236, 12357), (239, 12402), (242, 12414), (250, 12501), (255, 12525), (270, 12573), (281, 12624), (286, 12690), (291, 12798), (293, 12822), (294, 12828), (296, 12843), (297, 12849), (299, 12858), (300, 12894), (302, 12957), (303, 12960), (305, 12993), (306, 13032), (307, 13053), (313, 13233),

Gene: Seagreen_15 Start: 9346, Stop: 12870, Start Num: 2
Candidate Starts for Seagreen_15:
(Start: 1 @9325 has 43 MA's), (Start: 2 @9346 has 204 MA's), (3, 9358), (5, 9397), (6, 9424), (10, 9526), (12, 9598), (28, 9652), (29, 9658), (33, 9721), (34, 9736), (43, 9853), (47, 9886), (49, 9904), (51, 9928), (54, 9973), (56, 9991), (58, 10003), (62, 10075), (65, 10108), (66, 10111), (70, 10150), (73, 10192), (75, 10222), (77, 10228), (79, 10258), (81, 10294), (82, 10303), (83, 10315), (85, 10348), (90,

10411), (91, 10423), (92, 10432), (97, 10528), (98, 10537), (101, 10570), (102, 10573), (106, 10618), (109, 10639), (112, 10651), (121, 10714), (122, 10720), (126, 10732), (137, 10834), (154, 11038), (156, 11050), (160, 11119), (164, 11179), (165, 11194), (166, 11197), (167, 11215), (168, 11236), (169, 11254), (175, 11380), (176, 11416), (177, 11422), (180, 11488), (184, 11539), (186, 11572), (187, 11596), (188, 11599), (189, 11608), (191, 11653), (192, 11656), (193, 11662), (195, 11680), (198, 11749), (199, 11755), (214, 11854), (219, 11893), (220, 11896), (227, 11926), (232, 11953), (236, 11980), (239, 12025), (255, 12148), (270, 12196), (277, 12226), (281, 12247), (286, 12313), (291, 12421), (293, 12445), (294, 12451), (296, 12466), (299, 12481), (300, 12517), (302, 12580), (303, 12583), (304, 12595), (305, 12616), (307, 12676), (313, 12856),

Gene: Shauna1_14 Start: 9533, Stop: 13063, Start Num: 2
Candidate Starts for Shauna1_14:
(Start: 2 @9533 has 204 MA's), (3, 9545), (5, 9584), (6, 9611), (8, 9668), (10, 9713), (12, 9785), (26, 9827), (27, 9830), (28, 9839), (29, 9845), (33, 9908), (34, 9923), (43, 10040), (47, 10073), (51, 10115), (54, 10160), (56, 10178), (58, 10190), (62, 10262), (65, 10295), (66, 10298), (70, 10337), (73, 10379), (75, 10409), (77, 10415), (79, 10445), (81, 10481), (82, 10490), (83, 10502), (85, 10535), (90, 10598), (96, 10694), (98, 10724), (101, 10757), (102, 10760), (103, 10772), (109, 10826), (112, 10838), (120, 10892), (121, 10901), (137, 11021), (151, 11165), (154, 11225), (156, 11237), (160, 11306), (163, 11330), (165, 11384), (166, 11387), (167, 11405), (168, 11426), (169, 11444), (175, 11570), (176, 11606), (177, 11612), (180, 11678), (184, 11729), (186, 11762), (187, 11786), (188, 11789), (189, 11798), (191, 11843), (192, 11846), (193, 11852), (195, 11870), (198, 11939), (199, 11945), (214, 12044), (232, 12143), (235, 12161), (239, 12215), (250, 12317), (255, 12341), (270, 12389), (277, 12419), (281, 12440), (286, 12506), (291, 12614), (293, 12638), (294, 12644), (296, 12659), (299, 12674), (300, 12710), (302, 12773), (303, 12776), (304, 12788), (305, 12809), (307, 12869), (313, 13049),

Gene: ShiLan_14 Start: 9491, Stop: 13018, Start Num: 2
Candidate Starts for ShiLan_14:
(Start: 1 @9470 has 43 MA's), (Start: 2 @9491 has 204 MA's), (3, 9503), (5, 9542), (6, 9569), (10, 9671), (11, 9719), (12, 9743), (28, 9797), (29, 9803), (33, 9866), (34, 9881), (43, 9998), (47, 10031), (49, 10049), (51, 10073), (54, 10118), (56, 10136), (58, 10148), (62, 10220), (65, 10253), (66, 10256), (70, 10295), (73, 10337), (75, 10367), (77, 10373), (79, 10403), (81, 10439), (82, 10448), (83, 10460), (85, 10493), (86, 10508), (87, 10535), (90, 10556), (91, 10568), (92, 10577), (97, 10673), (98, 10682), (102, 10718), (103, 10730), (106, 10763), (109, 10784), (121, 10859), (126, 10877), (137, 10979), (142, 11054), (154, 11183), (156, 11195), (160, 11264), (164, 11327), (165, 11342), (166, 11345), (167, 11363), (168, 11384), (169, 11402), (173, 11474), (175, 11528), (176, 11564), (177, 11570), (180, 11636), (184, 11687), (186, 11720), (187, 11744), (188, 11747), (189, 11756), (191, 11801), (192, 11804), (193, 11810), (195, 11828), (198, 11897), (199, 11903), (214, 12002), (219, 12041), (220, 12044), (227, 12074), (236, 12128), (239, 12173), (255, 12296), (270, 12344), (277, 12374), (281, 12395), (286, 12461), (288, 12485), (291, 12569), (293, 12593), (294, 12599), (296, 12614), (299, 12629), (300, 12665), (302, 12728), (303, 12731), (304, 12743), (305, 12764), (307, 12824), (313, 13004),

Gene: ShowerHandel_14 Start: 9492, Stop: 13019, Start Num: 2
Candidate Starts for ShowerHandel_14:
(Start: 1 @9471 has 43 MA's), (Start: 2 @9492 has 204 MA's), (3, 9504), (5, 9543), (6, 9570), (10, 9672), (11, 9720), (12, 9744), (28, 9798), (29, 9804), (33, 9867), (34, 9882), (43, 9999), (47, 10032), (49, 10050), (51, 10074), (54, 10119), (56, 10137), (58, 10149), (62, 10221), (65, 10254), (66, 10257), (70, 10296), (73, 10338), (75, 10368), (77, 10374), (79, 10404), (81, 10440), (82, 10449), (83, 10461), (85, 10494), (86, 10509), (87, 10536), (90, 10557), (91, 10569), (92, 10578), (97, 10674), (98, 10683), (102, 10719), (103, 10731), (106, 10764), (109, 10785), (121, 10860), (126, 10878), (137, 10980), (142, 11055), (154, 11184), (156, 11196), (160, 11265), (164, 11328), (165, 11343), (166, 11346), (167, 11364), (168, 11385), (169, 11403), (173, 11475), (175, 11529), (176, 11565), (177, 11571),

(180, 11637), (184, 11688), (186, 11721), (187, 11745), (188, 11748), (189, 11757), (191, 11802), (192, 11805), (193, 11811), (195, 11829), (198, 11898), (199, 11904), (214, 12003), (219, 12042), (220, 12045), (227, 12075), (236, 12129), (239, 12174), (255, 12297), (270, 12345), (277, 12375), (281, 12396), (286, 12462), (288, 12486), (291, 12570), (293, 12594), (294, 12600), (296, 12615), (299, 12630), (300, 12666), (302, 12729), (303, 12732), (304, 12744), (305, 12765), (307, 12825), (313, 13005),

Gene: ShroomBoi_14 Start: 9534, Stop: 13061, Start Num: 2
Candidate Starts for ShroomBoi_14:
(Start: 2 @9534 has 204 MA's), (3, 9546), (5, 9585), (6, 9612), (8, 9669), (10, 9714), (12, 9786), (26, 9828), (27, 9831), (28, 9840), (29, 9846), (32, 9870), (33, 9909), (34, 9924), (43, 10041), (47, 10074), (51, 10116), (54, 10161), (56, 10179), (58, 10191), (62, 10263), (65, 10296), (66, 10299), (70, 10338), (73, 10380), (75, 10410), (77, 10416), (79, 10446), (81, 10482), (82, 10491), (83, 10503), (85, 10536), (90, 10599), (96, 10695), (98, 10725), (101, 10758), (102, 10761), (103, 10773), (109, 10827), (112, 10839), (120, 10893), (121, 10902), (137, 11022), (151, 11166), (154, 11226), (156, 11238), (160, 11307), (163, 11331), (165, 11385), (166, 11388), (167, 11406), (168, 11427), (169, 11445), (173, 11517), (175, 11571), (176, 11607), (177, 11613), (180, 11679), (184, 11730), (186, 11763), (187, 11787), (188, 11790), (189, 11799), (191, 11844), (192, 11847), (193, 11853), (195, 11871), (198, 11940), (199, 11946), (214, 12045), (219, 12084), (220, 12087), (227, 12117), (232, 12144), (239, 12216), (242, 12228), (250, 12315), (255, 12339), (270, 12387), (277, 12417), (281, 12438), (286, 12504), (291, 12612), (293, 12636), (294, 12642), (296, 12657), (299, 12672), (300, 12708), (302, 12771), (303, 12774), (304, 12786), (305, 12807), (307, 12867), (313, 13047),

Gene: SiSi_14 Start: 9520, Stop: 13002, Start Num: 2
Candidate Starts for SiSi_14:
(Start: 2 @9520 has 204 MA's), (3, 9532), (5, 9571), (6, 9598), (8, 9655), (10, 9700), (12, 9772), (26, 9814), (27, 9817), (28, 9826), (29, 9832), (33, 9895), (34, 9910), (43, 10027), (47, 10060), (51, 10102), (54, 10147), (56, 10165), (58, 10177), (62, 10249), (65, 10282), (66, 10285), (70, 10324), (73, 10366), (75, 10396), (77, 10402), (79, 10432), (81, 10468), (82, 10477), (83, 10489), (90, 10585), (94, 10648), (99, 10723), (104, 10780), (106, 10792), (112, 10813), (116, 10843), (125, 10885), (126, 10888), (128, 10894), (132, 10906), (146, 11083), (148, 11092), (158, 11239), (160, 11254), (163, 11278), (165, 11329), (166, 11332), (167, 11350), (168, 11371), (169, 11389), (173, 11461), (175, 11515), (176, 11551), (177, 11557), (180, 11623), (184, 11674), (186, 11707), (187, 11731), (188, 11734), (189, 11743), (191, 11788), (192, 11791), (193, 11797), (195, 11815), (198, 11884), (199, 11890), (214, 11989), (219, 12028), (220, 12031), (227, 12061), (232, 12088), (236, 12115), (239, 12160), (255, 12283), (270, 12328), (277, 12358), (281, 12379), (286, 12445), (291, 12553), (293, 12577), (294, 12583), (296, 12598), (299, 12613), (300, 12649), (302, 12712), (303, 12715), (304, 12727), (305, 12748), (307, 12808), (313, 12988),

Gene: SimranZ1_15 Start: 9342, Stop: 12869, Start Num: 2
Candidate Starts for SimranZ1_15:
(Start: 1 @9321 has 43 MA's), (Start: 2 @9342 has 204 MA's), (3, 9354), (5, 9393), (6, 9420), (10, 9522), (12, 9594), (26, 9636), (27, 9639), (28, 9648), (29, 9654), (33, 9717), (34, 9732), (43, 9849), (47, 9882), (49, 9900), (51, 9924), (54, 9969), (56, 9987), (58, 9999), (62, 10071), (65, 10104), (66, 10107), (70, 10146), (73, 10188), (75, 10218), (77, 10224), (79, 10254), (81, 10290), (82, 10299), (83, 10311), (87, 10386), (90, 10407), (91, 10419), (92, 10428), (97, 10524), (98, 10533), (101, 10566), (102, 10569), (103, 10581), (106, 10614), (109, 10635), (112, 10647), (121, 10710), (122, 10716), (126, 10728), (137, 10830), (154, 11034), (156, 11046), (160, 11115), (164, 11175), (165, 11190), (166, 11193), (167, 11211), (168, 11232), (169, 11250), (173, 11322), (175, 11376), (176, 11412), (177, 11418), (178, 11451), (180, 11484), (184, 11535), (186, 11568), (187, 11592), (188, 11595), (189, 11604), (191, 11649), (192, 11652), (195, 11676), (198, 11745), (199, 11751), (205, 11799), (214, 11850), (219, 11889), (220, 11892), (227, 11922), (232, 11949), (236, 11976), (239, 12021), (242, 12033), (250, 12120), (255, 12144), (270, 12195), (277, 12225), (281, 12246), (286, 12312), (291,

12420), (293, 12444), (294, 12450), (296, 12465), (297, 12471), (299, 12480), (300, 12516), (302, 12579), (303, 12582), (305, 12615), (306, 12654), (307, 12675), (313, 12855),

Gene: Slim_15 Start: 9341, Stop: 12829, Start Num: 2
Candidate Starts for Slim_15:
(Start: 2 @9341 has 204 MA's), (5, 9392), (6, 9419), (8, 9476), (10, 9521), (12, 9593), (28, 9647), (29, 9653), (33, 9716), (34, 9731), (43, 9848), (47, 9881), (49, 9899), (51, 9923), (54, 9968), (56, 9986), (58, 9998), (61, 10055), (62, 10070), (63, 10088), (65, 10103), (66, 10106), (70, 10145), (73, 10187), (75, 10217), (77, 10223), (79, 10253), (81, 10289), (82, 10298), (83, 10310), (85, 10343), (86, 10358), (87, 10385), (90, 10406), (91, 10418), (92, 10427), (94, 10469), (96, 10502), (99, 10544), (100, 10556), (104, 10601), (106, 10613), (116, 10664), (117, 10673), (125, 10706), (126, 10709), (128, 10715), (132, 10727), (136, 10790), (139, 10838), (145, 10901), (146, 10904), (148, 10913), (160, 11078), (161, 11087), (164, 11138), (165, 11153), (166, 11156), (167, 11174), (168, 11195), (169, 11213), (173, 11285), (175, 11339), (176, 11375), (177, 11381), (178, 11414), (180, 11447), (184, 11498), (186, 11531), (187, 11555), (188, 11558), (189, 11567), (191, 11612), (192, 11615), (193, 11621), (195, 11639), (198, 11708), (199, 11714), (214, 11813), (219, 11852), (220, 11855), (227, 11885), (232, 11912), (236, 11939), (239, 11984), (255, 12107), (270, 12155), (277, 12185), (281, 12206), (286, 12272), (291, 12380), (293, 12404), (294, 12410), (296, 12425), (299, 12440), (300, 12476), (302, 12539), (303, 12542), (304, 12554), (305, 12575), (307, 12635), (313, 12815),

Gene: Sparkdehlily_14 Start: 9515, Stop: 13042, Start Num: 2
Candidate Starts for Sparkdehlily_14:
(Start: 1 @9494 has 43 MA's), (Start: 2 @9515 has 204 MA's), (3, 9527), (5, 9566), (6, 9593), (10, 9695), (12, 9767), (26, 9809), (27, 9812), (28, 9821), (29, 9827), (33, 9890), (34, 9905), (43, 10022), (47, 10055), (49, 10073), (51, 10097), (54, 10142), (56, 10160), (58, 10172), (61, 10229), (62, 10244), (63, 10262), (65, 10277), (66, 10280), (70, 10319), (73, 10361), (75, 10391), (77, 10397), (79, 10427), (81, 10463), (82, 10472), (83, 10484), (85, 10517), (86, 10532), (87, 10559), (90, 10580), (91, 10592), (92, 10601), (97, 10697), (98, 10706), (101, 10739), (102, 10742), (103, 10754), (106, 10787), (109, 10808), (112, 10820), (121, 10883), (122, 10889), (126, 10901), (137, 11003), (154, 11207), (156, 11219), (160, 11288), (161, 11297), (164, 11351), (165, 11366), (166, 11369), (167, 11387), (168, 11408), (169, 11426), (173, 11498), (175, 11552), (176, 11588), (177, 11594), (180, 11660), (184, 11711), (186, 11744), (187, 11768), (188, 11771), (189, 11780), (191, 11825), (192, 11828), (193, 11834), (195, 11852), (198, 11921), (199, 11927), (214, 12026), (219, 12065), (220, 12068), (227, 12098), (236, 12152), (239, 12197), (255, 12320), (270, 12368), (277, 12398), (281, 12419), (286, 12485), (288, 12509), (291, 12593), (293, 12617), (294, 12623), (296, 12638), (299, 12653), (300, 12689), (302, 12752), (303, 12755), (304, 12767), (305, 12788), (307, 12848), (313, 13028),

Gene: Spartacus_14 Start: 9517, Stop: 13041, Start Num: 2
Candidate Starts for Spartacus_14:
(Start: 1 @9496 has 43 MA's), (Start: 2 @9517 has 204 MA's), (3, 9529), (5, 9568), (6, 9595), (10, 9697), (11, 9745), (12, 9769), (28, 9823), (29, 9829), (33, 9892), (34, 9907), (43, 10024), (47, 10057), (49, 10075), (51, 10099), (54, 10144), (56, 10162), (58, 10174), (62, 10246), (65, 10279), (66, 10282), (70, 10321), (72, 10339), (73, 10363), (75, 10393), (77, 10399), (79, 10429), (81, 10465), (82, 10474), (83, 10486), (85, 10519), (86, 10534), (90, 10582), (92, 10603), (97, 10699), (98, 10708), (101, 10741), (102, 10744), (103, 10756), (106, 10789), (109, 10810), (112, 10822), (121, 10885), (122, 10891), (126, 10903), (137, 11005), (142, 11080), (154, 11209), (156, 11221), (160, 11290), (161, 11299), (164, 11350), (165, 11365), (166, 11368), (167, 11386), (168, 11407), (169, 11425), (173, 11497), (175, 11551), (176, 11587), (177, 11593), (178, 11626), (180, 11659), (182, 11680), (184, 11710), (186, 11743), (187, 11767), (188, 11770), (189, 11779), (191, 11824), (192, 11827), (195, 11851), (198, 11920), (199, 11926), (214, 12025), (219, 12064), (220, 12067), (227, 12097), (232, 12124), (236, 12151), (239, 12196), (255, 12319), (270, 12367), (277, 12397), (281, 12418), (286, 12484), (291, 12592), (293, 12616), (294, 12622), (296, 12637), (299, 12652), (300, 12688), (302, 12751), (303, 12754), (304, 12766), (305, 12787), (307, 12847), (313, 13027),

Gene: Spikelee_15 Start: 9323, Stop: 12835, Start Num: 1
Candidate Starts for Spikelee_15:
(Start: 1 @9323 has 43 MA's), (Start: 2 @9344 has 204 MA's), (3, 9356), (5, 9395), (6, 9422), (10, 9524), (11, 9572), (12, 9596), (28, 9650), (29, 9656), (33, 9719), (34, 9734), (43, 9851), (47, 9884), (51, 9926), (54, 9971), (56, 9989), (58, 10001), (61, 10058), (62, 10073), (63, 10091), (65, 10106), (66, 10109), (70, 10148), (73, 10190), (75, 10220), (77, 10226), (79, 10256), (81, 10292), (82, 10301), (83, 10313), (85, 10346), (86, 10361), (87, 10388), (90, 10409), (91, 10421), (92, 10430), (94, 10472), (96, 10505), (99, 10547), (100, 10559), (104, 10604), (106, 10616), (116, 10667), (117, 10676), (126, 10712), (128, 10718), (132, 10730), (136, 10793), (139, 10841), (145, 10904), (146, 10907), (148, 10916), (160, 11081), (164, 11144), (165, 11159), (166, 11162), (167, 11180), (168, 11201), (169, 11219), (173, 11291), (175, 11345), (176, 11381), (177, 11387), (180, 11453), (184, 11504), (186, 11537), (187, 11561), (188, 11564), (189, 11573), (191, 11618), (192, 11621), (195, 11645), (198, 11714), (199, 11720), (214, 11819), (219, 11858), (220, 11861), (227, 11891), (232, 11918), (236, 11945), (239, 11990), (255, 12113), (270, 12161), (277, 12191), (281, 12212), (286, 12278), (291, 12386), (293, 12410), (294, 12416), (296, 12431), (299, 12446), (300, 12482), (302, 12545), (303, 12548), (304, 12560), (305, 12581), (307, 12641), (313, 12821),

Gene: Spoonbill_14 Start: 9492, Stop: 13016, Start Num: 2
Candidate Starts for Spoonbill_14:
(Start: 1 @9471 has 43 MA's), (Start: 2 @9492 has 204 MA's), (3, 9504), (5, 9543), (6, 9570), (10, 9672), (11, 9720), (12, 9744), (26, 9786), (28, 9798), (29, 9804), (33, 9867), (34, 9882), (43, 9999), (47, 10032), (51, 10074), (54, 10119), (56, 10137), (58, 10149), (62, 10221), (65, 10254), (66, 10257), (70, 10296), (73, 10338), (75, 10368), (77, 10374), (79, 10404), (81, 10440), (82, 10449), (83, 10461), (85, 10494), (90, 10557), (92, 10578), (97, 10674), (98, 10683), (102, 10719), (103, 10731), (106, 10764), (109, 10785), (121, 10860), (126, 10878), (137, 10980), (151, 11124), (154, 11184), (156, 11196), (160, 11265), (161, 11274), (164, 11328), (165, 11343), (166, 11346), (167, 11364), (168, 11385), (169, 11403), (173, 11475), (175, 11529), (176, 11565), (177, 11571), (180, 11637), (184, 11688), (186, 11721), (187, 11745), (188, 11748), (189, 11757), (191, 11802), (192, 11805), (193, 11811), (195, 11829), (198, 11898), (199, 11904), (214, 12003), (219, 12042), (220, 12045), (227, 12075), (232, 12102), (236, 12129), (239, 12174), (255, 12297), (270, 12342), (277, 12372), (281, 12393), (286, 12459), (291, 12567), (293, 12591), (294, 12597), (296, 12612), (299, 12627), (300, 12663), (302, 12726), (303, 12729), (304, 12741), (305, 12762), (307, 12822), (313, 13002),

Gene: Squirty_15 Start: 9323, Stop: 12916, Start Num: 1
Candidate Starts for Squirty_15:
(Start: 1 @9323 has 43 MA's), (Start: 2 @9344 has 204 MA's), (3, 9356), (5, 9395), (6, 9422), (10, 9524), (11, 9572), (12, 9596), (28, 9650), (29, 9656), (32, 9680), (33, 9719), (34, 9734), (37, 9776), (40, 9836), (42, 9851), (46, 9902), (47, 9905), (48, 9914), (52, 9965), (53, 9980), (57, 10013), (59, 10043), (64, 10109), (67, 10130), (68, 10145), (73, 10196), (74, 10199), (82, 10307), (85, 10352), (91, 10418), (92, 10427), (98, 10532), (99, 10544), (102, 10568), (108, 10625), (111, 10643), (122, 10718), (129, 10739), (152, 10916), (164, 11081), (165, 11096), (166, 11099), (167, 11117), (168, 11138), (169, 11156), (173, 11228), (175, 11282), (176, 11318), (177, 11324), (178, 11357), (180, 11390), (184, 11441), (186, 11474), (187, 11498), (188, 11501), (189, 11510), (191, 11555), (192, 11558), (195, 11582), (198, 11651), (199, 11657), (227, 11828), (236, 11882), (239, 11927), (257, 12086), (260, 12125), (265, 12149), (267, 12155), (268, 12161), (271, 12197), (286, 12359), (291, 12467), (293, 12491), (294, 12497), (296, 12512), (297, 12518), (300, 12563), (302, 12626), (303, 12629), (304, 12641), (305, 12662), (307, 12722), (313, 12902),

Gene: StAnnes_14 Start: 9534, Stop: 13058, Start Num: 2
Candidate Starts for StAnnes_14:
(Start: 2 @9534 has 204 MA's), (3, 9546), (5, 9585), (6, 9612), (8, 9669), (10, 9714), (12, 9786), (26, 9828), (27, 9831), (28, 9840), (29, 9846), (33, 9909), (34, 9924), (43, 10041), (47, 10074), (51, 10116),

(54, 10161), (56, 10179), (58, 10191), (62, 10263), (65, 10296), (66, 10299), (70, 10338), (73, 10380), (75, 10410), (77, 10416), (79, 10446), (81, 10482), (82, 10491), (83, 10503), (85, 10536), (90, 10599), (96, 10695), (98, 10725), (101, 10758), (102, 10761), (103, 10773), (109, 10827), (112, 10839), (120, 10893), (121, 10902), (137, 11022), (151, 11166), (154, 11226), (156, 11238), (160, 11307), (163, 11331), (165, 11385), (166, 11388), (168, 11427), (169, 11445), (175, 11571), (176, 11607), (177, 11613), (180, 11679), (184, 11730), (186, 11763), (187, 11787), (188, 11790), (189, 11799), (191, 11844), (192, 11847), (193, 11853), (195, 11871), (198, 11940), (199, 11946), (214, 12045), (232, 12144), (235, 12162), (239, 12216), (242, 12228), (250, 12315), (255, 12339), (270, 12384), (277, 12414), (281, 12435), (286, 12501), (291, 12609), (293, 12633), (294, 12639), (296, 12654), (299, 12669), (300, 12705), (302, 12768), (303, 12771), (304, 12783), (305, 12804), (307, 12864), (313, 13044),

Gene: Stap_15 Start: 9343, Stop: 13041, Start Num: 2
Candidate Starts for Stap_15:
(Start: 1 @9322 has 43 MA's), (Start: 2 @9343 has 204 MA's), (3, 9355), (5, 9394), (6, 9421), (10, 9523), (11, 9571), (12, 9595), (26, 9637), (27, 9640), (28, 9649), (29, 9655), (33, 9718), (34, 9733), (43, 9850), (47, 9883), (49, 9901), (51, 9925), (54, 9970), (56, 9988), (58, 10000), (62, 10072), (65, 10105), (66, 10108), (70, 10147), (73, 10189), (75, 10219), (77, 10225), (79, 10255), (81, 10291), (82, 10300), (83, 10312), (85, 10345), (90, 10408), (92, 10429), (97, 10525), (98, 10534), (101, 10567), (102, 10570), (103, 10582), (106, 10615), (109, 10636), (121, 10711), (122, 10717), (126, 10729), (137, 10831), (142, 10906), (154, 11035), (156, 11047), (160, 11116), (164, 11176), (165, 11191), (166, 11194), (167, 11212), (168, 11233), (169, 11251), (173, 11323), (175, 11377), (176, 11413), (177, 11419), (178, 11452), (180, 11485), (184, 11536), (186, 11569), (187, 11593), (188, 11596), (189, 11605), (191, 11650), (192, 11653), (195, 11677), (200, 11770), (217, 11917), (221, 11938), (239, 12079), (244, 12103), (246, 12130), (268, 12310), (270, 12340), (280, 12412), (287, 12499), (291, 12592), (293, 12616), (294, 12622), (296, 12637), (297, 12643), (300, 12688), (302, 12751), (303, 12754), (305, 12787), (306, 12826), (307, 12847), (313, 13027),

Gene: Starcevich_15 Start: 9343, Stop: 12831, Start Num: 2
Candidate Starts for Starcevich_15:
(Start: 2 @9343 has 204 MA's), (5, 9394), (6, 9421), (8, 9478), (10, 9523), (12, 9595), (28, 9649), (29, 9655), (33, 9718), (34, 9733), (43, 9850), (47, 9883), (49, 9901), (51, 9925), (54, 9970), (56, 9988), (58, 10000), (61, 10057), (62, 10072), (63, 10090), (65, 10105), (66, 10108), (70, 10147), (73, 10189), (75, 10219), (77, 10225), (79, 10255), (81, 10291), (82, 10300), (83, 10312), (85, 10345), (86, 10360), (87, 10387), (90, 10408), (91, 10420), (92, 10429), (94, 10471), (96, 10504), (99, 10546), (100, 10558), (104, 10603), (106, 10615), (116, 10666), (117, 10675), (125, 10708), (126, 10711), (128, 10717), (132, 10729), (136, 10792), (139, 10840), (145, 10903), (146, 10906), (148, 10915), (160, 11080), (161, 11089), (164, 11140), (165, 11155), (166, 11158), (167, 11176), (168, 11197), (169, 11215), (173, 11287), (175, 11341), (176, 11377), (177, 11383), (178, 11416), (180, 11449), (184, 11500), (186, 11533), (187, 11557), (188, 11560), (189, 11569), (191, 11614), (192, 11617), (193, 11623), (195, 11641), (198, 11710), (199, 11716), (214, 11815), (219, 11854), (220, 11857), (227, 11887), (232, 11914), (236, 11941), (239, 11986), (255, 12109), (270, 12157), (277, 12187), (281, 12208), (286, 12274), (291, 12382), (293, 12406), (294, 12412), (296, 12427), (299, 12442), (300, 12478), (302, 12541), (303, 12544), (304, 12556), (305, 12577), (307, 12637), (313, 12817),

Gene: Strokeseat_14 Start: 9488, Stop: 13123, Start Num: 2
Candidate Starts for Strokeseat_14:
(Start: 1 @9467 has 43 MA's), (Start: 2 @9488 has 204 MA's), (3, 9500), (5, 9539), (6, 9566), (10, 9668), (12, 9740), (26, 9782), (28, 9794), (29, 9800), (33, 9863), (34, 9878), (43, 9995), (47, 10028), (49, 10046), (51, 10070), (54, 10115), (56, 10133), (58, 10145), (61, 10202), (62, 10217), (63, 10235), (65, 10250), (66, 10253), (70, 10292), (73, 10334), (75, 10364), (77, 10370), (79, 10400), (80, 10424), (81, 10436), (82, 10445), (83, 10457), (85, 10490), (86, 10505), (87, 10532), (90, 10553), (91, 10565), (92, 10574), (97, 10670), (98, 10679), (101, 10712), (102, 10715), (103, 10727), (106, 10760), (109,

10781), (112, 10793), (121, 10856), (122, 10862), (126, 10874), (137, 10976), (154, 11180), (156, 11192), (160, 11258), (161, 11267), (164, 11321), (165, 11336), (166, 11339), (167, 11357), (168, 11378), (169, 11396), (173, 11468), (175, 11522), (176, 11558), (177, 11564), (178, 11597), (180, 11630), (184, 11681), (186, 11714), (187, 11738), (188, 11741), (189, 11750), (191, 11795), (192, 11798), (195, 11822), (198, 11894), (199, 11900), (207, 11966), (208, 11969), (209, 11972), (211, 11990), (213, 12002), (222, 12059), (229, 12092), (234, 12119), (240, 12179), (241, 12182), (245, 12224), (247, 12233), (252, 12287), (254, 12293), (255, 12302), (263, 12356), (265, 12362), (267, 12368), (269, 12404), (281, 12500), (286, 12566), (291, 12674), (293, 12698), (294, 12704), (296, 12719), (299, 12734), (300, 12770), (302, 12833), (303, 12836), (305, 12869), (307, 12929), (313, 13109),

Gene: SuperGrey_15 Start: 10038, Stop: 13685, Start Num: 2
Candidate Starts for SuperGrey_15:
(Start: 2 @10038 has 204 MA's), (5, 10089), (6, 10116), (8, 10173), (10, 10218), (12, 10290), (28, 10344), (29, 10350), (33, 10413), (34, 10428), (43, 10545), (47, 10578), (49, 10596), (51, 10620), (54, 10665), (56, 10683), (58, 10695), (62, 10767), (65, 10800), (66, 10803), (70, 10842), (73, 10884), (75, 10914), (77, 10920), (79, 10950), (81, 10986), (82, 10995), (83, 11007), (85, 11040), (90, 11103), (96, 11199), (98, 11229), (101, 11262), (102, 11265), (103, 11277), (109, 11331), (112, 11343), (120, 11397), (121, 11406), (137, 11526), (151, 11670), (154, 11730), (156, 11742), (160, 11811), (163, 11835), (165, 11889), (166, 11892), (168, 11931), (169, 11949), (173, 12021), (175, 12075), (176, 12111), (177, 12117), (180, 12183), (184, 12234), (186, 12267), (187, 12291), (188, 12294), (189, 12303), (191, 12348), (192, 12351), (193, 12357), (195, 12375), (198, 12444), (199, 12450), (207, 12516), (208, 12519), (209, 12522), (211, 12540), (220, 12600), (222, 12609), (229, 12642), (234, 12669), (241, 12732), (247, 12783), (252, 12837), (255, 12852), (261, 12906), (265, 12915), (267, 12921), (269, 12957), (273, 12984), (281, 13062), (286, 13128), (291, 13236), (293, 13260), (294, 13266), (296, 13281), (299, 13296), (300, 13332), (302, 13395), (303, 13398), (305, 13431), (306, 13470), (307, 13491), (313, 13671),

Gene: SwagPigglett_14 Start: 9492, Stop: 13019, Start Num: 2
Candidate Starts for SwagPigglett_14:
(Start: 1 @9471 has 43 MA's), (Start: 2 @9492 has 204 MA's), (3, 9504), (5, 9543), (6, 9570), (10, 9672), (11, 9720), (12, 9744), (28, 9798), (29, 9804), (33, 9867), (34, 9882), (43, 9999), (47, 10032), (49, 10050), (51, 10074), (54, 10119), (56, 10137), (58, 10149), (62, 10221), (65, 10254), (66, 10257), (70, 10296), (73, 10338), (75, 10368), (77, 10374), (79, 10404), (81, 10440), (82, 10449), (83, 10461), (85, 10494), (86, 10509), (87, 10536), (90, 10557), (91, 10569), (92, 10578), (97, 10674), (98, 10683), (102, 10719), (103, 10731), (106, 10764), (109, 10785), (121, 10860), (126, 10878), (137, 10980), (142, 11055), (154, 11184), (156, 11196), (160, 11265), (164, 11328), (165, 11343), (166, 11346), (167, 11364), (168, 11385), (169, 11403), (173, 11475), (175, 11529), (176, 11565), (177, 11571), (180, 11637), (184, 11688), (186, 11721), (187, 11745), (188, 11748), (189, 11757), (191, 11802), (192, 11805), (193, 11811), (195, 11829), (198, 11898), (199, 11904), (214, 12003), (219, 12042), (220, 12045), (227, 12075), (236, 12129), (239, 12174), (255, 12297), (270, 12345), (277, 12375), (281, 12396), (286, 12462), (288, 12486), (291, 12570), (293, 12594), (294, 12600), (296, 12615), (299, 12630), (300, 12666), (302, 12729), (303, 12732), (304, 12744), (305, 12765), (307, 12825), (313, 13005),

Gene: TChen_15 Start: 9943, Stop: 13467, Start Num: 2
Candidate Starts for TChen_15:
(Start: 2 @9943 has 204 MA's), (4, 9973), (8, 10054), (9, 10066), (11, 10114), (28, 10192), (32, 10222), (33, 10261), (34, 10276), (35, 10282), (36, 10309), (39, 10333), (41, 10384), (45, 10435), (47, 10447), (50, 10468), (51, 10489), (52, 10507), (57, 10555), (63, 10645), (64, 10651), (72, 10717), (73, 10741), (77, 10777), (78, 10786), (81, 10843), (88, 10939), (89, 10942), (90, 10951), (92, 10972), (97, 11068), (103, 11125), (105, 11149), (112, 11188), (114, 11209), (118, 11242), (122, 11260), (124, 11266), (131, 11287), (137, 11371), (140, 11425), (143, 11455), (150, 11509), (151, 11512), (155, 11584),

(157, 11620), (165, 11713), (166, 11716), (167, 11734), (168, 11755), (170, 11776), (171, 11815), (173, 11845), (174, 11860), (177, 11941), (178, 11974), (179, 11977), (181, 12016), (183, 12061), (184, 12079), (185, 12100), (187, 12136), (188, 12139), (189, 12148), (191, 12193), (192, 12196), (194, 12205), (197, 12283), (200, 12310), (201, 12316), (202, 12340), (214, 12403), (220, 12445), (227, 12475), (236, 12529), (238, 12553), (239, 12574), (255, 12697), (284, 12874), (285, 12886), (287, 12910), (292, 13018), (299, 13063), (302, 13162), (303, 13165), (306, 13237), (308, 13267), (309, 13312), (314, 13462),

Gene: TDanisky_14 Start: 9515, Stop: 13042, Start Num: 2
Candidate Starts for TDanisky_14:
(Start: 1 @9494 has 43 MA's), (Start: 2 @9515 has 204 MA's), (3, 9527), (5, 9566), (6, 9593), (10, 9695), (12, 9767), (26, 9809), (27, 9812), (28, 9821), (29, 9827), (33, 9890), (34, 9905), (43, 10022), (47, 10055), (49, 10073), (51, 10097), (54, 10142), (56, 10160), (58, 10172), (61, 10229), (62, 10244), (63, 10262), (65, 10277), (66, 10280), (70, 10319), (73, 10361), (75, 10391), (77, 10397), (79, 10427), (81, 10463), (82, 10472), (83, 10484), (85, 10517), (86, 10532), (87, 10559), (90, 10580), (91, 10592), (92, 10601), (97, 10697), (98, 10706), (101, 10739), (102, 10742), (103, 10754), (106, 10787), (109, 10808), (112, 10820), (121, 10883), (122, 10889), (126, 10901), (137, 11003), (154, 11207), (156, 11219), (160, 11288), (161, 11297), (164, 11351), (165, 11366), (166, 11369), (167, 11387), (168, 11408), (169, 11426), (173, 11498), (175, 11552), (176, 11588), (177, 11594), (180, 11660), (184, 11711), (186, 11744), (187, 11768), (188, 11771), (189, 11780), (191, 11825), (192, 11828), (193, 11834), (195, 11852), (198, 11921), (199, 11927), (214, 12026), (219, 12065), (220, 12068), (227, 12098), (236, 12152), (239, 12197), (255, 12320), (270, 12368), (277, 12398), (281, 12419), (286, 12485), (288, 12509), (291, 12593), (293, 12617), (294, 12623), (296, 12638), (299, 12653), (300, 12689), (302, 12752), (303, 12755), (304, 12767), (305, 12788), (307, 12848), (313, 13028),

Gene: Taj_14 Start: 9532, Stop: 13059, Start Num: 2
Candidate Starts for Taj_14:
(Start: 2 @9532 has 204 MA's), (3, 9544), (5, 9583), (6, 9610), (8, 9667), (10, 9712), (12, 9784), (28, 9838), (29, 9844), (33, 9907), (34, 9922), (43, 10039), (47, 10072), (51, 10114), (54, 10159), (56, 10177), (58, 10189), (62, 10261), (65, 10294), (66, 10297), (70, 10336), (73, 10378), (75, 10408), (77, 10414), (79, 10444), (81, 10480), (82, 10489), (83, 10501), (90, 10597), (96, 10693), (98, 10723), (101, 10756), (102, 10759), (103, 10771), (109, 10825), (112, 10837), (120, 10891), (121, 10900), (137, 11020), (151, 11164), (154, 11224), (156, 11236), (160, 11305), (163, 11329), (165, 11383), (166, 11386), (167, 11404), (168, 11425), (169, 11443), (175, 11569), (176, 11605), (177, 11611), (180, 11677), (184, 11728), (186, 11761), (187, 11785), (188, 11788), (189, 11797), (191, 11842), (192, 11845), (193, 11851), (195, 11869), (198, 11938), (199, 11944), (214, 12043), (219, 12082), (220, 12085), (227, 12115), (232, 12142), (236, 12169), (239, 12214), (255, 12337), (270, 12385), (277, 12415), (281, 12436), (286, 12502), (291, 12610), (293, 12634), (294, 12640), (296, 12655), (299, 12670), (300, 12706), (302, 12769), (303, 12772), (304, 12784), (305, 12805), (307, 12865), (313, 13045),

Gene: Tchotchke_15 Start: 9338, Stop: 12970, Start Num: 2
Candidate Starts for Tchotchke_15:
(Start: 1 @9317 has 43 MA's), (Start: 2 @9338 has 204 MA's), (3, 9350), (5, 9389), (6, 9416), (10, 9518), (11, 9566), (12, 9590), (26, 9632), (27, 9635), (28, 9644), (29, 9650), (33, 9713), (34, 9728), (43, 9845), (47, 9878), (49, 9896), (51, 9920), (54, 9965), (56, 9983), (58, 9995), (62, 10067), (65, 10100), (66, 10103), (70, 10142), (73, 10184), (75, 10214), (77, 10220), (79, 10250), (81, 10286), (82, 10295), (83, 10307), (90, 10403), (94, 10466), (96, 10499), (99, 10541), (100, 10553), (104, 10598), (106, 10610), (116, 10661), (117, 10670), (125, 10703), (126, 10706), (128, 10712), (132, 10724), (136, 10787), (139, 10835), (145, 10898), (146, 10901), (148, 10910), (160, 11075), (161, 11084), (164, 11135), (165, 11150), (166, 11153), (167, 11171), (168, 11192), (169, 11210), (173, 11282), (175, 11336), (176, 11372), (177, 11378), (178, 11411), (180, 11444), (184, 11495), (186, 11528), (187, 11552), (188, 11555), (189, 11564), (191, 11609), (192, 11612), (195, 11636), (198, 11705), (199,

11711), (227, 11882), (236, 11936), (239, 11981), (257, 12140), (259, 12179), (265, 12203), (267, 12209), (268, 12215), (271, 12251), (286, 12416), (291, 12524), (293, 12548), (294, 12554), (296, 12569), (297, 12575), (299, 12584), (300, 12620), (302, 12683), (303, 12686), (305, 12719), (306, 12758), (307, 12779), (313, 12956),

Gene: ThetaBob_15 Start: 9826, Stop: 13350, Start Num: 2
Candidate Starts for ThetaBob_15:
(Start: 2 @9826 has 204 MA's), (4, 9856), (8, 9937), (9, 9949), (11, 9997), (28, 10075), (32, 10105), (33, 10144), (34, 10159), (35, 10165), (36, 10192), (39, 10216), (41, 10267), (45, 10318), (47, 10330), (50, 10351), (51, 10372), (52, 10390), (57, 10438), (63, 10528), (64, 10534), (72, 10600), (73, 10624), (77, 10660), (78, 10669), (81, 10726), (88, 10822), (89, 10825), (90, 10834), (92, 10855), (97, 10951), (103, 11008), (105, 11032), (112, 11071), (114, 11092), (118, 11125), (122, 11143), (124, 11149), (131, 11170), (137, 11254), (140, 11308), (143, 11338), (150, 11392), (151, 11395), (155, 11467), (157, 11503), (165, 11596), (166, 11599), (167, 11617), (168, 11638), (170, 11659), (171, 11698), (173, 11728), (174, 11743), (177, 11824), (178, 11857), (179, 11860), (181, 11899), (183, 11944), (184, 11962), (185, 11983), (187, 12019), (188, 12022), (189, 12031), (191, 12076), (192, 12079), (194, 12088), (197, 12166), (200, 12193), (214, 12286), (220, 12328), (227, 12358), (236, 12412), (239, 12457), (258, 12607), (267, 12658), (277, 12706), (285, 12769), (286, 12784), (287, 12793), (290, 12865), (292, 12901), (295, 12922), (298, 12943), (299, 12946), (302, 13045), (303, 13048), (305, 13081), (309, 13195), (314, 13345),

Gene: TootsiePop_15 Start: 9353, Stop: 12883, Start Num: 2
Candidate Starts for TootsiePop_15:
(Start: 1 @9332 has 43 MA's), (Start: 2 @9353 has 204 MA's), (3, 9365), (5, 9404), (6, 9431), (10, 9533), (12, 9605), (26, 9647), (28, 9659), (29, 9665), (33, 9728), (34, 9743), (43, 9860), (47, 9893), (49, 9911), (51, 9935), (54, 9980), (56, 9998), (58, 10010), (61, 10067), (62, 10082), (63, 10100), (65, 10115), (66, 10118), (70, 10157), (73, 10199), (75, 10229), (77, 10235), (79, 10265), (81, 10301), (82, 10310), (83, 10322), (85, 10355), (86, 10370), (87, 10397), (90, 10418), (92, 10439), (97, 10535), (98, 10544), (102, 10580), (103, 10592), (106, 10625), (109, 10646), (121, 10721), (122, 10727), (126, 10739), (137, 10841), (142, 10916), (154, 11045), (156, 11057), (160, 11126), (161, 11135), (164, 11186), (165, 11201), (166, 11204), (167, 11222), (168, 11243), (169, 11261), (173, 11333), (175, 11387), (176, 11423), (177, 11429), (180, 11495), (184, 11546), (186, 11579), (187, 11603), (188, 11606), (189, 11615), (191, 11660), (192, 11663), (195, 11687), (198, 11759), (199, 11765), (232, 11963), (235, 11981), (238, 12014), (239, 12035), (250, 12137), (255, 12161), (270, 12209), (278, 12260), (286, 12326), (291, 12434), (293, 12458), (294, 12464), (296, 12479), (297, 12485), (299, 12494), (300, 12530), (302, 12593), (303, 12596), (304, 12608), (305, 12629), (306, 12668), (307, 12689), (313, 12869),

Gene: Tootsieroll_15 Start: 9343, Stop: 12867, Start Num: 2
Candidate Starts for Tootsieroll_15:
(Start: 1 @9322 has 43 MA's), (Start: 2 @9343 has 204 MA's), (3, 9355), (5, 9394), (6, 9421), (10, 9523), (11, 9571), (12, 9595), (26, 9637), (27, 9640), (28, 9649), (29, 9655), (33, 9718), (34, 9733), (43, 9850), (47, 9883), (49, 9901), (51, 9925), (54, 9970), (56, 9988), (58, 10000), (62, 10072), (63, 10090), (65, 10105), (66, 10108), (70, 10147), (73, 10189), (75, 10219), (77, 10225), (79, 10255), (81, 10291), (82, 10300), (83, 10312), (85, 10345), (90, 10408), (92, 10429), (97, 10525), (98, 10534), (101, 10567), (102, 10570), (103, 10582), (106, 10615), (109, 10636), (121, 10711), (122, 10717), (126, 10729), (137, 10831), (142, 10906), (154, 11035), (156, 11047), (160, 11116), (164, 11176), (165, 11191), (166, 11194), (167, 11212), (168, 11233), (169, 11251), (173, 11323), (175, 11377), (176, 11413), (177, 11419), (178, 11452), (180, 11485), (184, 11536), (186, 11569), (187, 11593), (188, 11596), (189, 11605), (191, 11650), (192, 11653), (193, 11659), (195, 11677), (198, 11746), (199, 11752), (214, 11851), (219, 11890), (220, 11893), (227, 11923), (236, 11977), (239, 12022), (255, 12145), (270, 12193), (277, 12223), (281, 12244), (286, 12310), (291, 12418), (293, 12442), (294, 12448), (296, 12463), (299, 12478), (300, 12514), (302, 12577), (303, 12580), (304, 12592), (305, 12613),

(306, 12652), (307, 12673), (313, 12853),

Gene: Topiatin_16 Start: 10184, Stop: 13711, Start Num: 2
Candidate Starts for Topiatin_16:
(Start: 2 @10184 has 204 MA's), (3, 10196), (5, 10235), (6, 10262), (8, 10319), (10, 10364), (12, 10436), (28, 10490), (29, 10496), (33, 10559), (34, 10574), (43, 10691), (47, 10724), (51, 10766), (54, 10811), (56, 10829), (58, 10841), (62, 10913), (65, 10946), (66, 10949), (70, 10988), (73, 11030), (75, 11060), (77, 11066), (79, 11096), (81, 11132), (82, 11141), (83, 11153), (90, 11249), (96, 11345), (98, 11375), (101, 11408), (102, 11411), (103, 11423), (109, 11477), (112, 11489), (120, 11543), (121, 11552), (137, 11672), (151, 11816), (154, 11876), (156, 11888), (160, 11957), (163, 11981), (165, 12035), (166, 12038), (168, 12077), (169, 12095), (173, 12167), (175, 12221), (176, 12257), (177, 12263), (180, 12329), (184, 12380), (186, 12413), (187, 12437), (188, 12440), (189, 12449), (191, 12494), (192, 12497), (193, 12503), (195, 12521), (198, 12590), (199, 12596), (214, 12695), (219, 12734), (220, 12737), (227, 12767), (232, 12794), (239, 12866), (242, 12878), (250, 12965), (255, 12989), (270, 13037), (277, 13067), (281, 13088), (286, 13154), (291, 13262), (293, 13286), (294, 13292), (296, 13307), (297, 13313), (299, 13322), (300, 13358), (302, 13421), (303, 13424), (304, 13436), (305, 13457), (307, 13517), (313, 13697),

Gene: Toron_15 Start: 9936, Stop: 13451, Start Num: 2
Candidate Starts for Toron_15:
(Start: 2 @9936 has 204 MA's), (4, 9966), (9, 10059), (11, 10107), (28, 10185), (32, 10215), (34, 10269), (35, 10275), (36, 10302), (41, 10377), (44, 10422), (45, 10428), (46, 10437), (47, 10440), (55, 10536), (57, 10548), (60, 10590), (63, 10638), (64, 10644), (69, 10683), (71, 10704), (72, 10710), (77, 10770), (81, 10836), (85, 10890), (88, 10932), (89, 10935), (92, 10965), (93, 10977), (95, 11028), (97, 11061), (103, 11118), (104, 11139), (105, 11142), (112, 11181), (113, 11193), (114, 11202), (122, 11253), (124, 11259), (131, 11280), (137, 11364), (143, 11448), (149, 11481), (150, 11505), (155, 11577), (156, 11583), (162, 11649), (167, 11727), (168, 11748), (170, 11769), (171, 11808), (173, 11838), (174, 11853), (176, 11928), (178, 11967), (179, 11970), (180, 12000), (181, 12009), (183, 12054), (184, 12072), (187, 12129), (190, 12153), (192, 12189), (197, 12276), (200, 12303), (203, 12336), (220, 12438), (227, 12468), (232, 12495), (236, 12522), (239, 12567), (286, 12888), (287, 12897), (289, 12951), (290, 12969), (292, 13005), (295, 13026), (299, 13050), (301, 13140), (302, 13149), (303, 13152), (306, 13224), (311, 13365), (314, 13446),

Gene: Totinger_15 Start: 9341, Stop: 12829, Start Num: 2
Candidate Starts for Totinger_15:
(Start: 2 @9341 has 204 MA's), (5, 9392), (6, 9419), (8, 9476), (10, 9521), (12, 9593), (28, 9647), (29, 9653), (33, 9716), (34, 9731), (43, 9848), (47, 9881), (49, 9899), (51, 9923), (54, 9968), (56, 9986), (58, 9998), (61, 10055), (62, 10070), (63, 10088), (65, 10103), (66, 10106), (70, 10145), (73, 10187), (75, 10217), (77, 10223), (79, 10253), (81, 10289), (82, 10298), (83, 10310), (85, 10343), (86, 10358), (87, 10385), (90, 10406), (91, 10418), (92, 10427), (94, 10469), (96, 10502), (99, 10544), (100, 10556), (104, 10601), (106, 10613), (116, 10664), (117, 10673), (125, 10706), (126, 10709), (128, 10715), (132, 10727), (136, 10790), (139, 10838), (145, 10901), (146, 10904), (148, 10913), (160, 11078), (161, 11087), (164, 11138), (165, 11153), (166, 11156), (167, 11174), (168, 11195), (169, 11213), (173, 11285), (175, 11339), (176, 11375), (177, 11381), (178, 11414), (180, 11447), (184, 11498), (186, 11531), (187, 11555), (188, 11558), (189, 11567), (191, 11612), (192, 11615), (193, 11621), (195, 11639), (198, 11708), (199, 11714), (214, 11813), (219, 11852), (220, 11855), (227, 11885), (232, 11912), (236, 11939), (239, 11984), (255, 12107), (270, 12155), (277, 12185), (281, 12206), (286, 12272), (291, 12380), (293, 12404), (294, 12410), (296, 12425), (299, 12440), (300, 12476), (302, 12539), (303, 12542), (304, 12554), (305, 12575), (307, 12635), (313, 12815),

Gene: Tweety_14 Start: 9534, Stop: 13064, Start Num: 2
Candidate Starts for Tweety_14:

(Start: 2 @9534 has 204 MA's), (3, 9546), (5, 9585), (6, 9612), (8, 9669), (10, 9714), (12, 9786), (26, 9828), (27, 9831), (28, 9840), (29, 9846), (33, 9909), (34, 9924), (43, 10041), (47, 10074), (51, 10116), (54, 10161), (56, 10179), (58, 10191), (62, 10263), (65, 10296), (66, 10299), (70, 10338), (73, 10380), (75, 10410), (77, 10416), (79, 10446), (81, 10482), (82, 10491), (83, 10503), (90, 10599), (92, 10620), (96, 10695), (97, 10716), (98, 10725), (101, 10758), (102, 10761), (103, 10773), (109, 10827), (112, 10839), (120, 10893), (121, 10902), (130, 10932), (137, 11022), (151, 11166), (154, 11226), (156, 11238), (160, 11307), (163, 11331), (164, 11367), (165, 11382), (166, 11385), (167, 11403), (168, 11424), (169, 11442), (173, 11514), (175, 11568), (176, 11604), (177, 11610), (178, 11643), (180, 11676), (182, 11697), (184, 11727), (186, 11760), (187, 11784), (188, 11787), (189, 11796), (191, 11841), (192, 11844), (195, 11868), (198, 11940), (199, 11946), (214, 12045), (216, 12066), (232, 12144), (235, 12162), (238, 12195), (239, 12216), (250, 12318), (255, 12342), (270, 12390), (277, 12420), (281, 12441), (286, 12507), (291, 12615), (293, 12639), (294, 12645), (296, 12660), (299, 12675), (300, 12711), (302, 12774), (303, 12777), (305, 12810), (306, 12849), (307, 12870), (313, 13050),

Gene: UncleRicky_15 Start: 9323, Stop: 12835, Start Num: 1
Candidate Starts for UncleRicky_15:
(Start: 1 @9323 has 43 MA's), (Start: 2 @9344 has 204 MA's), (3, 9356), (5, 9395), (6, 9422), (10, 9524), (11, 9572), (12, 9596), (26, 9638), (27, 9641), (28, 9650), (29, 9656), (33, 9719), (34, 9734), (43, 9851), (47, 9884), (49, 9902), (51, 9926), (54, 9971), (56, 9989), (58, 10001), (61, 10058), (62, 10073), (63, 10091), (65, 10106), (66, 10109), (70, 10148), (73, 10190), (75, 10220), (77, 10226), (79, 10256), (81, 10292), (82, 10301), (83, 10313), (85, 10346), (87, 10388), (90, 10409), (91, 10421), (92, 10430), (94, 10472), (96, 10505), (99, 10547), (100, 10559), (104, 10604), (106, 10616), (116, 10667), (117, 10676), (126, 10712), (128, 10718), (132, 10730), (136, 10793), (139, 10841), (145, 10904), (146, 10907), (148, 10916), (160, 11081), (164, 11144), (165, 11159), (166, 11162), (167, 11180), (168, 11201), (169, 11219), (173, 11291), (175, 11345), (176, 11381), (177, 11387), (178, 11420), (180, 11453), (184, 11504), (186, 11537), (187, 11561), (188, 11564), (189, 11573), (191, 11618), (192, 11621), (195, 11645), (198, 11714), (199, 11720), (214, 11819), (219, 11858), (220, 11861), (227, 11891), (232, 11918), (236, 11945), (239, 11990), (255, 12113), (270, 12161), (277, 12191), (281, 12212), (286, 12278), (291, 12386), (293, 12410), (294, 12416), (296, 12431), (299, 12446), (300, 12482), (302, 12545), (303, 12548), (304, 12560), (305, 12581), (307, 12641), (313, 12821),

Gene: VRedHorse_14 Start: 9467, Stop: 13177, Start Num: 1
Candidate Starts for VRedHorse_14:
(Start: 1 @9467 has 43 MA's), (Start: 2 @9488 has 204 MA's), (3, 9500), (5, 9539), (6, 9566), (10, 9668), (11, 9716), (12, 9740), (26, 9782), (28, 9794), (29, 9800), (33, 9863), (34, 9878), (43, 9995), (47, 10028), (49, 10046), (51, 10070), (54, 10115), (56, 10133), (58, 10145), (62, 10217), (65, 10250), (66, 10253), (70, 10292), (73, 10334), (75, 10364), (77, 10370), (79, 10400), (81, 10436), (82, 10445), (83, 10457), (85, 10490), (90, 10553), (92, 10574), (97, 10670), (98, 10679), (102, 10715), (103, 10727), (106, 10760), (109, 10781), (121, 10856), (126, 10874), (137, 10976), (142, 11051), (154, 11180), (156, 11192), (160, 11261), (161, 11270), (164, 11321), (165, 11336), (166, 11339), (167, 11357), (168, 11378), (169, 11396), (173, 11468), (175, 11522), (176, 11558), (177, 11564), (178, 11597), (180, 11630), (184, 11681), (186, 11714), (187, 11738), (188, 11741), (189, 11750), (191, 11795), (192, 11798), (195, 11822), (200, 11912), (217, 12059), (221, 12080), (239, 12221), (244, 12245), (246, 12272), (268, 12452), (270, 12482), (280, 12554), (287, 12638), (291, 12731), (293, 12755), (294, 12761), (296, 12776), (297, 12782), (299, 12791), (300, 12827), (302, 12890), (303, 12893), (305, 12926), (306, 12965), (307, 12986), (313, 13163),

Gene: Velveteen_15 Start: 9337, Stop: 12867, Start Num: 2
Candidate Starts for Velveteen_15:
(Start: 1 @9316 has 43 MA's), (Start: 2 @9337 has 204 MA's), (3, 9349), (5, 9388), (6, 9415), (10, 9517), (11, 9565), (12, 9589), (26, 9631), (28, 9643), (29, 9649), (33, 9712), (34, 9727), (43, 9844), (47, 9877), (51, 9919), (54, 9964), (56, 9982), (58, 9994), (62, 10066), (65, 10099), (66, 10102), (70,

10141), (73, 10183), (75, 10213), (77, 10219), (79, 10249), (81, 10285), (82, 10294), (83, 10306), (90, 10402), (96, 10498), (98, 10528), (101, 10561), (102, 10564), (103, 10576), (109, 10630), (112, 10642), (120, 10696), (121, 10705), (137, 10825), (151, 10969), (154, 11029), (156, 11041), (160, 11110), (161, 11119), (164, 11173), (165, 11188), (166, 11191), (168, 11230), (169, 11248), (173, 11320), (175, 11374), (176, 11410), (177, 11416), (178, 11449), (180, 11482), (184, 11533), (186, 11566), (187, 11590), (188, 11593), (189, 11602), (191, 11647), (192, 11650), (193, 11656), (195, 11674), (198, 11743), (199, 11749), (214, 11848), (232, 11947), (235, 11965), (239, 12019), (250, 12121), (255, 12145), (270, 12193), (277, 12223), (281, 12244), (286, 12310), (291, 12418), (293, 12442), (294, 12448), (296, 12463), (299, 12478), (300, 12514), (302, 12577), (303, 12580), (304, 12592), (305, 12613), (307, 12673), (313, 12853),

Gene: Veteran_14 Start: 9527, Stop: 13012, Start Num: 2
Candidate Starts for Veteran_14:
(Start: 2 @9527 has 204 MA's), (3, 9539), (5, 9578), (6, 9605), (8, 9662), (10, 9707), (12, 9779), (26, 9821), (27, 9824), (28, 9833), (29, 9839), (33, 9902), (34, 9917), (43, 10034), (47, 10067), (51, 10109), (54, 10154), (56, 10172), (58, 10184), (62, 10256), (65, 10289), (66, 10292), (70, 10331), (73, 10373), (75, 10403), (77, 10409), (79, 10439), (81, 10475), (82, 10484), (83, 10496), (90, 10592), (94, 10655), (99, 10730), (104, 10787), (106, 10799), (112, 10820), (116, 10850), (125, 10892), (126, 10895), (128, 10901), (132, 10913), (148, 11099), (158, 11246), (160, 11261), (163, 11285), (165, 11339), (166, 11342), (168, 11381), (169, 11399), (173, 11471), (175, 11525), (176, 11561), (177, 11567), (180, 11633), (184, 11684), (186, 11717), (187, 11741), (188, 11744), (189, 11753), (191, 11798), (192, 11801), (193, 11807), (195, 11825), (198, 11894), (199, 11900), (214, 11999), (219, 12038), (220, 12041), (227, 12071), (232, 12098), (236, 12125), (239, 12170), (255, 12293), (270, 12341), (277, 12371), (281, 12392), (286, 12458), (291, 12566), (293, 12590), (294, 12596), (296, 12611), (299, 12626), (300, 12662), (302, 12725), (303, 12728), (305, 12761), (306, 12800), (307, 12821), (313, 12998),

Gene: Violac_15 Start: 10032, Stop: 13556, Start Num: 2
Candidate Starts for Violac_15:
(Start: 2 @10032 has 204 MA's), (5, 10083), (6, 10110), (8, 10167), (10, 10212), (12, 10284), (26, 10326), (28, 10338), (29, 10344), (32, 10368), (33, 10407), (34, 10422), (43, 10539), (47, 10572), (49, 10590), (51, 10614), (54, 10659), (56, 10677), (58, 10689), (62, 10761), (65, 10794), (66, 10797), (70, 10836), (73, 10878), (75, 10908), (77, 10914), (79, 10944), (81, 10980), (82, 10989), (83, 11001), (85, 11034), (86, 11049), (90, 11097), (91, 11109), (97, 11214), (98, 11223), (102, 11259), (103, 11271), (106, 11304), (109, 11325), (121, 11400), (126, 11418), (137, 11520), (142, 11595), (154, 11724), (156, 11736), (160, 11805), (164, 11868), (165, 11883), (166, 11886), (167, 11904), (168, 11925), (169, 11943), (175, 12069), (176, 12105), (177, 12111), (178, 12144), (180, 12177), (184, 12228), (186, 12261), (187, 12285), (189, 12297), (191, 12342), (192, 12345), (193, 12351), (195, 12369), (198, 12438), (199, 12444), (214, 12543), (219, 12582), (220, 12585), (227, 12615), (232, 12642), (236, 12669), (239, 12714), (255, 12837), (270, 12885), (277, 12915), (281, 12936), (286, 13002), (291, 13110), (293, 13134), (294, 13140), (296, 13155), (299, 13170), (300, 13206), (302, 13269), (303, 13272), (305, 13305), (306, 13344), (307, 13365), (313, 13542),

Gene: Vivum_14 Start: 9493, Stop: 12984, Start Num: 2
Candidate Starts for Vivum_14:
(Start: 1 @9472 has 43 MA's), (Start: 2 @9493 has 204 MA's), (3, 9505), (5, 9544), (6, 9571), (10, 9673), (11, 9721), (12, 9745), (28, 9799), (29, 9805), (33, 9868), (34, 9883), (43, 10000), (47, 10033), (49, 10051), (51, 10075), (54, 10120), (56, 10138), (58, 10150), (61, 10207), (62, 10222), (63, 10240), (65, 10255), (66, 10258), (70, 10297), (73, 10339), (75, 10369), (77, 10375), (79, 10405), (81, 10441), (82, 10450), (83, 10462), (85, 10495), (86, 10510), (87, 10537), (90, 10558), (92, 10579), (94, 10621), (96, 10654), (99, 10696), (100, 10708), (104, 10753), (106, 10765), (116, 10816), (117, 10825), (126, 10861), (128, 10867), (132, 10879), (136, 10942), (139, 10990), (145, 11053), (146, 11056), (148, 11065), (160, 11230), (164, 11293), (165, 11308), (166, 11311), (167, 11329), (168, 11350), (169,

11368), (173, 11440), (175, 11494), (176, 11530), (177, 11536), (178, 11569), (180, 11602), (184, 11653), (186, 11686), (187, 11710), (188, 11713), (189, 11722), (191, 11767), (192, 11770), (193, 11776), (195, 11794), (198, 11863), (199, 11869), (214, 11968), (219, 12007), (220, 12010), (227, 12040), (232, 12067), (236, 12094), (239, 12139), (255, 12262), (270, 12310), (277, 12340), (281, 12361), (286, 12427), (291, 12535), (293, 12559), (294, 12565), (296, 12580), (299, 12595), (300, 12631), (302, 12694), (303, 12697), (304, 12709), (305, 12730), (307, 12790), (313, 12970),

Gene: Wachhund_14 Start: 9487, Stop: 13035, Start Num: 2
Candidate Starts for Wachhund_14:
(Start: 2 @9487 has 204 MA's), (3, 9499), (5, 9538), (6, 9565), (10, 9667), (11, 9715), (12, 9739), (26, 9781), (27, 9784), (28, 9793), (29, 9799), (33, 9862), (34, 9877), (40, 9979), (42, 9994), (46, 10045), (47, 10048), (48, 10057), (52, 10108), (53, 10123), (57, 10156), (59, 10186), (64, 10252), (65, 10261), (67, 10273), (68, 10288), (73, 10339), (74, 10342), (82, 10450), (85, 10495), (91, 10561), (92, 10570), (98, 10675), (99, 10687), (102, 10711), (108, 10768), (111, 10786), (122, 10861), (129, 10882), (152, 11059), (164, 11224), (165, 11239), (166, 11242), (168, 11281), (169, 11299), (173, 11371), (175, 11425), (176, 11461), (177, 11467), (180, 11533), (184, 11584), (186, 11617), (187, 11641), (188, 11644), (189, 11653), (191, 11698), (192, 11701), (193, 11707), (195, 11725), (198, 11794), (199, 11800), (210, 11866), (211, 11869), (212, 11872), (214, 11890), (215, 11902), (224, 11950), (226, 11959), (233, 11992), (237, 12019), (243, 12082), (247, 12133), (252, 12187), (256, 12202), (262, 12256), (267, 12265), (268, 12271), (271, 12307), (274, 12334), (281, 12412), (286, 12478), (291, 12586), (293, 12610), (294, 12616), (296, 12631), (297, 12637), (299, 12646), (300, 12682), (302, 12745), (303, 12748), (304, 12760), (305, 12781), (307, 12841), (313, 13021),

Gene: Wee_15 Start: 10070, Stop: 13600, Start Num: 2
Candidate Starts for Wee_15:
(Start: 2 @10070 has 204 MA's), (5, 10121), (6, 10148), (8, 10205), (10, 10250), (12, 10322), (26, 10364), (27, 10367), (28, 10376), (29, 10382), (33, 10445), (34, 10460), (43, 10577), (47, 10610), (51, 10652), (54, 10697), (56, 10715), (58, 10727), (62, 10799), (65, 10832), (66, 10835), (70, 10874), (73, 10916), (75, 10946), (77, 10952), (79, 10982), (81, 11018), (82, 11027), (83, 11039), (90, 11135), (96, 11231), (98, 11261), (101, 11294), (102, 11297), (103, 11309), (109, 11363), (112, 11375), (120, 11429), (121, 11438), (137, 11558), (151, 11702), (154, 11762), (156, 11774), (160, 11843), (163, 11867), (164, 11903), (165, 11918), (166, 11921), (167, 11939), (168, 11960), (169, 11978), (173, 12050), (175, 12104), (176, 12140), (177, 12146), (178, 12179), (180, 12212), (182, 12233), (184, 12263), (186, 12296), (187, 12320), (188, 12323), (189, 12332), (191, 12377), (192, 12380), (195, 12404), (198, 12476), (199, 12482), (214, 12581), (216, 12602), (232, 12680), (235, 12698), (238, 12731), (239, 12752), (250, 12854), (255, 12878), (270, 12926), (277, 12956), (281, 12977), (286, 13043), (291, 13151), (293, 13175), (294, 13181), (296, 13196), (299, 13211), (300, 13247), (302, 13310), (303, 13313), (304, 13325), (305, 13346), (307, 13406), (313, 13586),

Gene: Whatsapiecost_14 Start: 9532, Stop: 13059, Start Num: 2
Candidate Starts for Whatsapiecost_14:
(Start: 2 @9532 has 204 MA's), (3, 9544), (5, 9583), (6, 9610), (8, 9667), (10, 9712), (12, 9784), (26, 9826), (27, 9829), (28, 9838), (29, 9844), (32, 9868), (33, 9907), (34, 9922), (43, 10039), (47, 10072), (51, 10114), (54, 10159), (56, 10177), (58, 10189), (62, 10261), (65, 10294), (66, 10297), (70, 10336), (73, 10378), (75, 10408), (77, 10414), (79, 10444), (81, 10480), (82, 10489), (83, 10501), (90, 10597), (96, 10693), (98, 10723), (101, 10756), (102, 10759), (103, 10771), (109, 10825), (112, 10837), (120, 10891), (121, 10900), (137, 11020), (151, 11164), (154, 11224), (156, 11236), (160, 11305), (163, 11329), (165, 11383), (166, 11386), (168, 11425), (169, 11443), (173, 11515), (175, 11569), (176, 11605), (177, 11611), (180, 11677), (184, 11728), (186, 11761), (187, 11785), (188, 11788), (189, 11797), (191, 11842), (192, 11845), (193, 11851), (195, 11869), (198, 11938), (199, 11944), (214, 12043), (232, 12142), (235, 12160), (239, 12214), (242, 12226), (250, 12313), (255, 12337), (270, 12385), (277, 12415), (281, 12436), (286, 12502), (291, 12610), (293, 12634), (294, 12640), (296, 12655), (299, 12670), (300, 12706), (302, 12769), (303, 12772), (304, 12784), (305, 12805), (307,

12865), (313, 13045),

Gene: Whouxphf_14 Start: 9481, Stop: 13113, Start Num: 2
Candidate Starts for Whouxphf_14:
(Start: 2 @9481 has 204 MA's), (3, 9493), (5, 9532), (6, 9559), (8, 9616), (10, 9661), (11, 9709), (12, 9733), (28, 9787), (29, 9793), (33, 9856), (34, 9871), (43, 9988), (47, 10021), (49, 10039), (51, 10063), (54, 10108), (56, 10126), (58, 10138), (62, 10210), (65, 10243), (66, 10246), (70, 10285), (73, 10327), (75, 10357), (77, 10363), (79, 10393), (81, 10429), (82, 10438), (83, 10450), (85, 10483), (87, 10525), (90, 10546), (92, 10567), (97, 10663), (98, 10672), (102, 10708), (103, 10720), (106, 10753), (109, 10774), (121, 10849), (126, 10867), (137, 10969), (142, 11044), (154, 11173), (156, 11185), (160, 11254), (164, 11317), (165, 11332), (166, 11335), (167, 11353), (168, 11374), (169, 11392), (173, 11464), (175, 11518), (176, 11554), (177, 11560), (178, 11593), (180, 11626), (184, 11677), (186, 11710), (187, 11734), (189, 11746), (191, 11791), (192, 11794), (195, 11818), (198, 11887), (199, 11893), (207, 11959), (208, 11962), (211, 11983), (213, 11995), (222, 12052), (229, 12085), (234, 12112), (241, 12175), (252, 12280), (254, 12286), (255, 12295), (263, 12349), (265, 12355), (267, 12361), (269, 12397), (281, 12493), (286, 12559), (291, 12667), (293, 12691), (294, 12697), (296, 12712), (299, 12727), (300, 12763), (302, 12826), (303, 12829), (305, 12862), (306, 12901), (307, 12922), (313, 13099),

Gene: WillSterrel_14 Start: 9517, Stop: 13038, Start Num: 2
Candidate Starts for WillSterrel_14:
(Start: 1 @9496 has 43 MA's), (Start: 2 @9517 has 204 MA's), (3, 9529), (5, 9568), (6, 9595), (10, 9697), (11, 9745), (12, 9769), (28, 9823), (29, 9829), (33, 9892), (34, 9907), (43, 10024), (47, 10057), (49, 10075), (51, 10099), (54, 10144), (56, 10162), (58, 10174), (62, 10246), (65, 10279), (66, 10282), (70, 10321), (72, 10339), (73, 10363), (75, 10393), (77, 10399), (79, 10429), (81, 10465), (82, 10474), (83, 10486), (85, 10519), (86, 10534), (90, 10582), (92, 10603), (97, 10699), (98, 10708), (101, 10741), (102, 10744), (103, 10756), (106, 10789), (109, 10810), (112, 10822), (121, 10885), (122, 10891), (126, 10903), (137, 11005), (142, 11080), (154, 11209), (156, 11221), (160, 11290), (161, 11299), (164, 11350), (165, 11365), (166, 11368), (167, 11386), (168, 11407), (169, 11425), (173, 11497), (175, 11551), (176, 11587), (177, 11593), (178, 11626), (180, 11659), (182, 11680), (184, 11710), (186, 11743), (187, 11767), (188, 11770), (189, 11779), (191, 11824), (192, 11827), (195, 11851), (198, 11920), (199, 11926), (214, 12025), (219, 12064), (220, 12067), (227, 12097), (232, 12124), (236, 12151), (239, 12196), (255, 12319), (270, 12367), (277, 12397), (281, 12418), (286, 12484), (291, 12592), (293, 12616), (294, 12622), (296, 12637), (299, 12652), (300, 12688), (302, 12751), (303, 12754), (305, 12787), (306, 12826), (307, 12847), (313, 13024),

Gene: XFactor_14 Start: 9531, Stop: 13016, Start Num: 2
Candidate Starts for XFactor_14:
(Start: 1 @9510 has 43 MA's), (Start: 2 @9531 has 204 MA's), (3, 9543), (5, 9582), (6, 9609), (8, 9666), (10, 9711), (12, 9783), (28, 9837), (29, 9843), (32, 9867), (33, 9906), (34, 9921), (43, 10038), (47, 10071), (51, 10113), (54, 10158), (56, 10176), (58, 10188), (62, 10260), (65, 10293), (66, 10296), (70, 10335), (73, 10377), (75, 10407), (77, 10413), (79, 10443), (81, 10479), (82, 10488), (83, 10500), (85, 10533), (90, 10596), (94, 10659), (99, 10734), (104, 10791), (106, 10803), (112, 10824), (116, 10854), (125, 10896), (126, 10899), (128, 10905), (132, 10917), (146, 11094), (148, 11103), (158, 11250), (160, 11265), (163, 11289), (165, 11340), (166, 11343), (168, 11382), (169, 11400), (173, 11472), (175, 11526), (176, 11562), (177, 11568), (180, 11634), (184, 11685), (186, 11718), (187, 11742), (188, 11745), (189, 11754), (191, 11799), (192, 11802), (193, 11808), (195, 11826), (198, 11895), (199, 11901), (214, 12000), (219, 12039), (220, 12042), (227, 12072), (232, 12099), (236, 12126), (239, 12171), (255, 12294), (270, 12342), (277, 12372), (281, 12393), (286, 12459), (291, 12567), (293, 12591), (294, 12597), (296, 12612), (299, 12627), (300, 12663), (302, 12726), (303, 12729), (304, 12741), (305, 12762), (307, 12822), (313, 13002),

Gene: Yorick_14 Start: 9490, Stop: 13017, Start Num: 2

Candidate Starts for Yorick_14:
(Start: 1 @9469 has 43 MA's), (Start: 2 @9490 has 204 MA's), (3, 9502), (5, 9541), (6, 9568), (10, 9670), (11, 9718), (12, 9742), (28, 9796), (29, 9802), (33, 9865), (34, 9880), (43, 9997), (47, 10030), (49, 10048), (51, 10072), (54, 10117), (56, 10135), (58, 10147), (62, 10219), (65, 10252), (66, 10255), (70, 10294), (73, 10336), (75, 10366), (77, 10372), (79, 10402), (81, 10438), (82, 10447), (83, 10459), (85, 10492), (86, 10507), (87, 10534), (90, 10555), (91, 10567), (92, 10576), (97, 10672), (98, 10681), (102, 10717), (103, 10729), (106, 10762), (109, 10783), (121, 10858), (126, 10876), (137, 10978), (142, 11053), (154, 11182), (156, 11194), (160, 11263), (164, 11326), (165, 11341), (166, 11344), (167, 11362), (168, 11383), (169, 11401), (173, 11473), (175, 11527), (176, 11563), (177, 11569), (180, 11635), (184, 11686), (186, 11719), (187, 11743), (188, 11746), (189, 11755), (191, 11800), (192, 11803), (193, 11809), (195, 11827), (198, 11896), (199, 11902), (214, 12001), (219, 12040), (220, 12043), (227, 12073), (236, 12127), (239, 12172), (255, 12295), (270, 12343), (277, 12373), (281, 12394), (286, 12460), (288, 12484), (291, 12568), (293, 12592), (294, 12598), (296, 12613), (299, 12628), (300, 12664), (302, 12727), (303, 12730), (304, 12742), (305, 12763), (307, 12823), (313, 13003),

Gene: Zerg_14 Start: 9492, Stop: 12977, Start Num: 2
Candidate Starts for Zerg_14:
(Start: 1 @9471 has 43 MA's), (Start: 2 @9492 has 204 MA's), (3, 9504), (5, 9543), (6, 9570), (10, 9672), (11, 9720), (12, 9744), (26, 9786), (27, 9789), (28, 9798), (29, 9804), (33, 9867), (34, 9882), (43, 9999), (47, 10032), (49, 10050), (51, 10074), (54, 10119), (56, 10137), (58, 10149), (61, 10206), (62, 10221), (63, 10239), (65, 10254), (66, 10257), (70, 10296), (72, 10314), (73, 10338), (75, 10368), (77, 10374), (79, 10404), (81, 10440), (82, 10449), (83, 10461), (85, 10494), (86, 10509), (87, 10536), (90, 10557), (91, 10569), (92, 10578), (94, 10620), (96, 10653), (99, 10695), (100, 10707), (104, 10752), (106, 10764), (116, 10815), (117, 10824), (125, 10857), (126, 10860), (128, 10866), (132, 10878), (136, 10941), (139, 10989), (145, 11052), (146, 11055), (148, 11064), (160, 11229), (161, 11238), (164, 11289), (165, 11304), (166, 11307), (167, 11325), (168, 11346), (169, 11364), (173, 11436), (175, 11490), (176, 11526), (177, 11532), (178, 11565), (180, 11598), (184, 11649), (186, 11682), (187, 11706), (188, 11709), (189, 11718), (191, 11763), (192, 11766), (195, 11790), (198, 11859), (199, 11865), (227, 12036), (236, 12090), (239, 12135), (255, 12258), (270, 12306), (277, 12336), (281, 12357), (286, 12423), (291, 12531), (293, 12555), (294, 12561), (296, 12576), (299, 12591), (300, 12627), (302, 12690), (303, 12693), (304, 12705), (305, 12726), (306, 12765), (307, 12786), (313, 12963),

Gene: Zizzle_14 Start: 9494, Stop: 12985, Start Num: 2
Candidate Starts for Zizzle_14:
(Start: 1 @9473 has 43 MA's), (Start: 2 @9494 has 204 MA's), (5, 9545), (6, 9572), (10, 9674), (11, 9722), (12, 9746), (28, 9800), (29, 9806), (33, 9869), (34, 9884), (43, 10001), (47, 10034), (49, 10052), (51, 10076), (54, 10121), (56, 10139), (58, 10151), (62, 10223), (65, 10256), (66, 10259), (70, 10298), (73, 10340), (75, 10370), (77, 10376), (79, 10406), (81, 10442), (82, 10451), (83, 10463), (85, 10496), (86, 10511), (87, 10538), (90, 10559), (92, 10580), (94, 10622), (96, 10655), (99, 10697), (100, 10709), (104, 10754), (106, 10766), (116, 10817), (117, 10826), (126, 10862), (128, 10868), (132, 10880), (136, 10943), (139, 10991), (145, 11054), (146, 11057), (148, 11066), (160, 11231), (164, 11294), (165, 11309), (166, 11312), (167, 11330), (168, 11351), (169, 11369), (173, 11441), (175, 11495), (176, 11531), (177, 11537), (178, 11570), (180, 11603), (184, 11654), (186, 11687), (187, 11711), (188, 11714), (189, 11723), (191, 11768), (192, 11771), (195, 11795), (198, 11864), (199, 11870), (214, 11969), (219, 12008), (220, 12011), (227, 12041), (232, 12068), (236, 12095), (239, 12140), (255, 12263), (270, 12311), (277, 12341), (281, 12362), (286, 12428), (291, 12536), (293, 12560), (294, 12566), (296, 12581), (299, 12596), (300, 12632), (302, 12695), (303, 12698), (304, 12710), (305, 12731), (306, 12770), (307, 12791), (313, 12971),