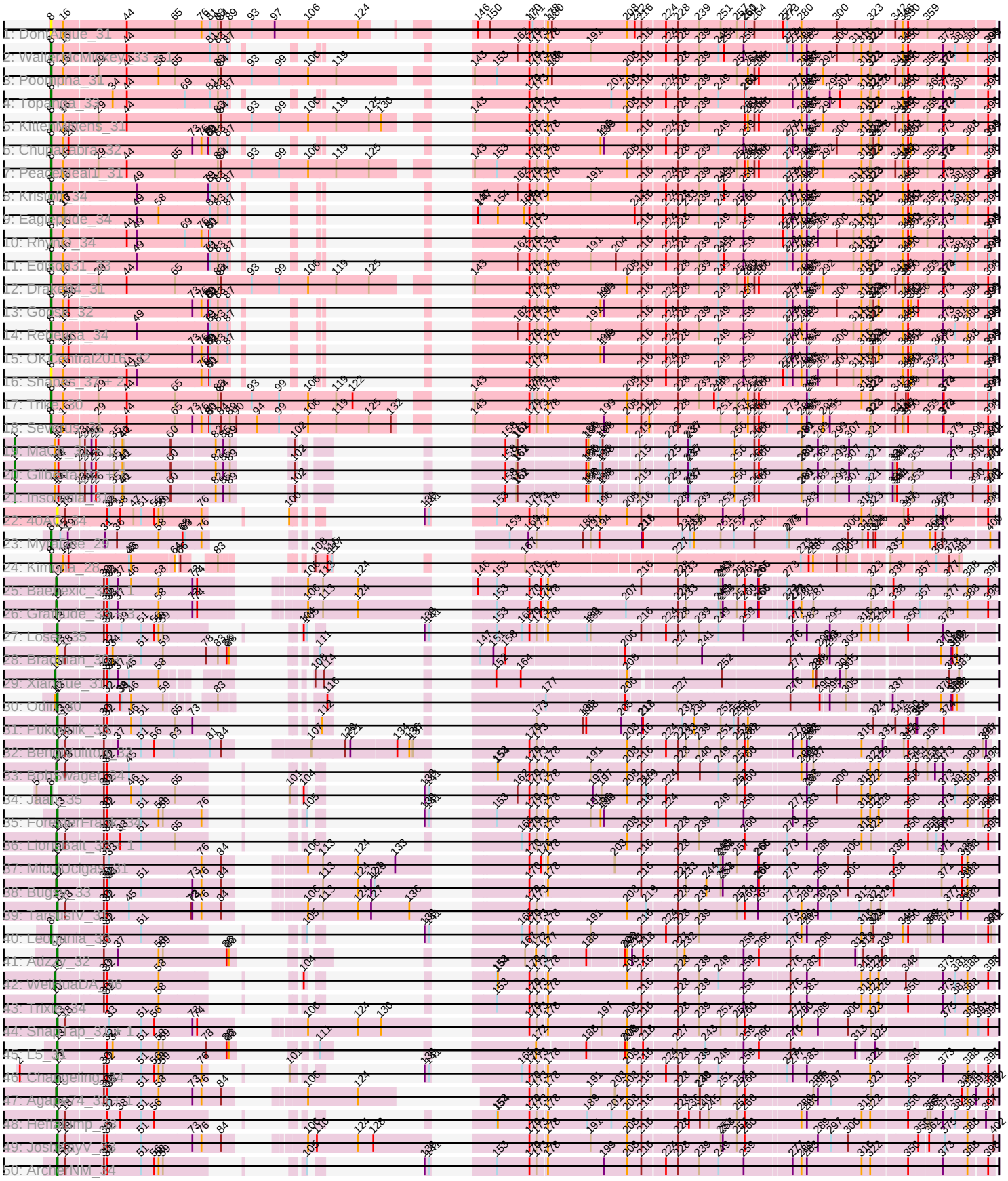
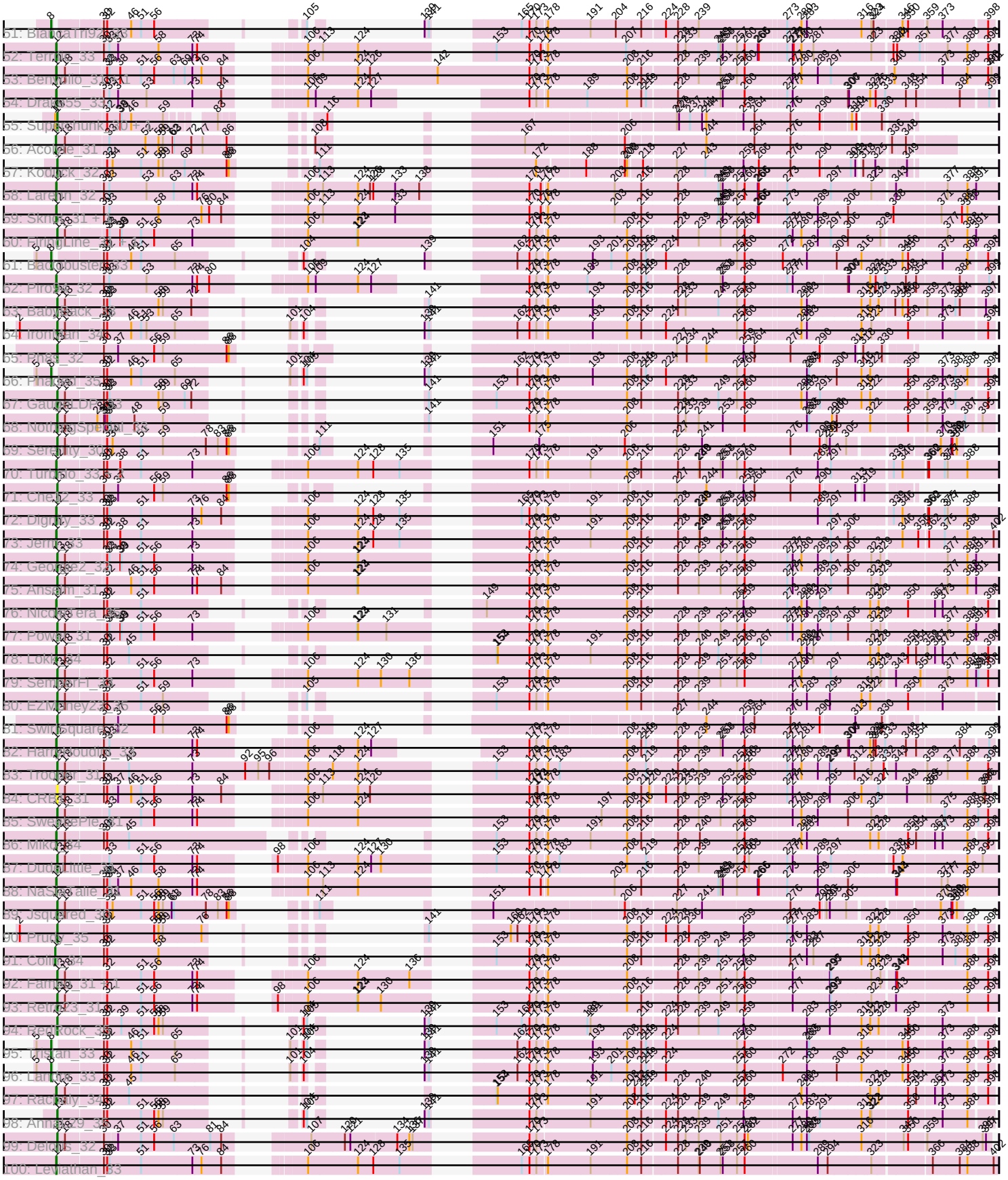
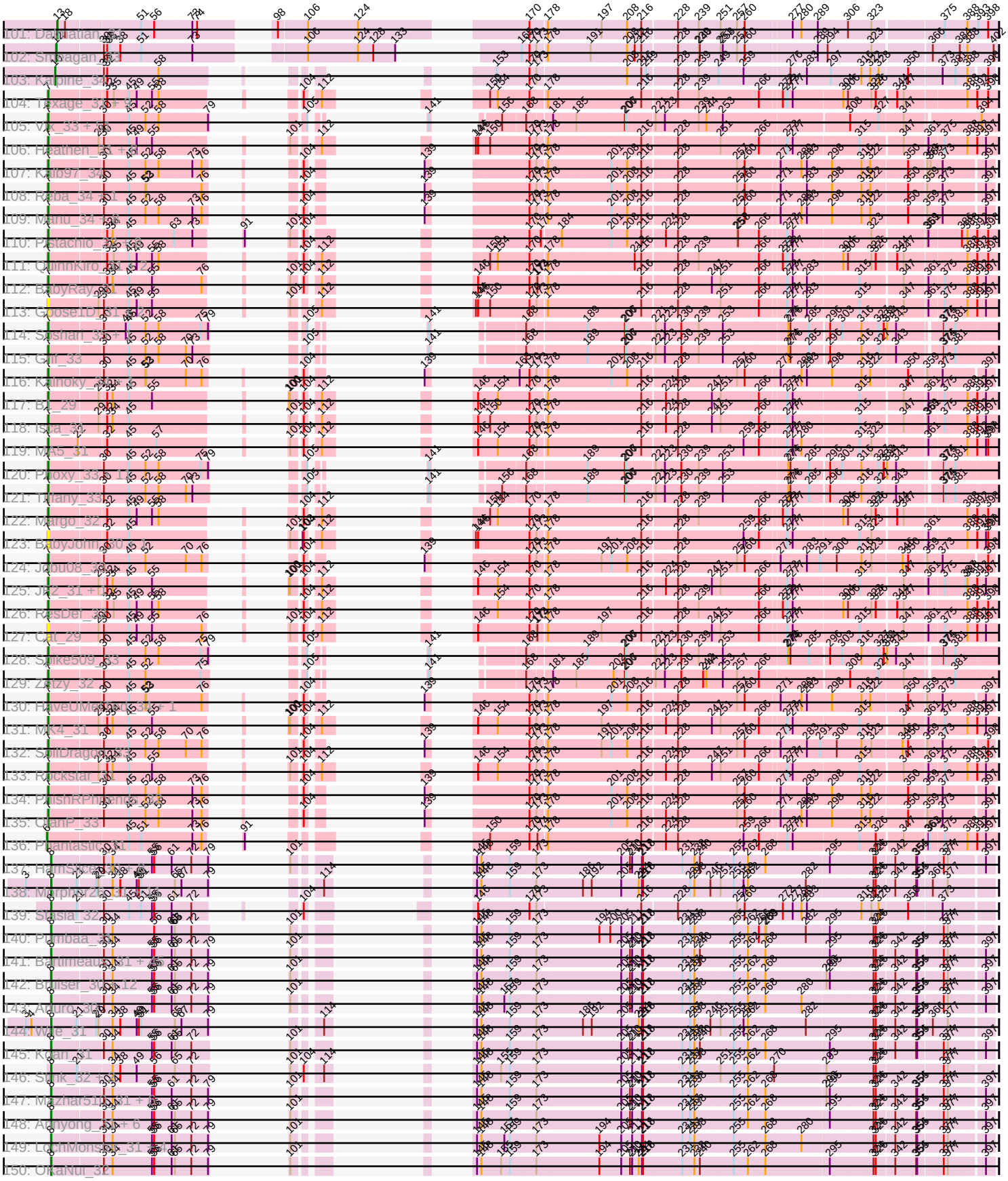
Pham 347092



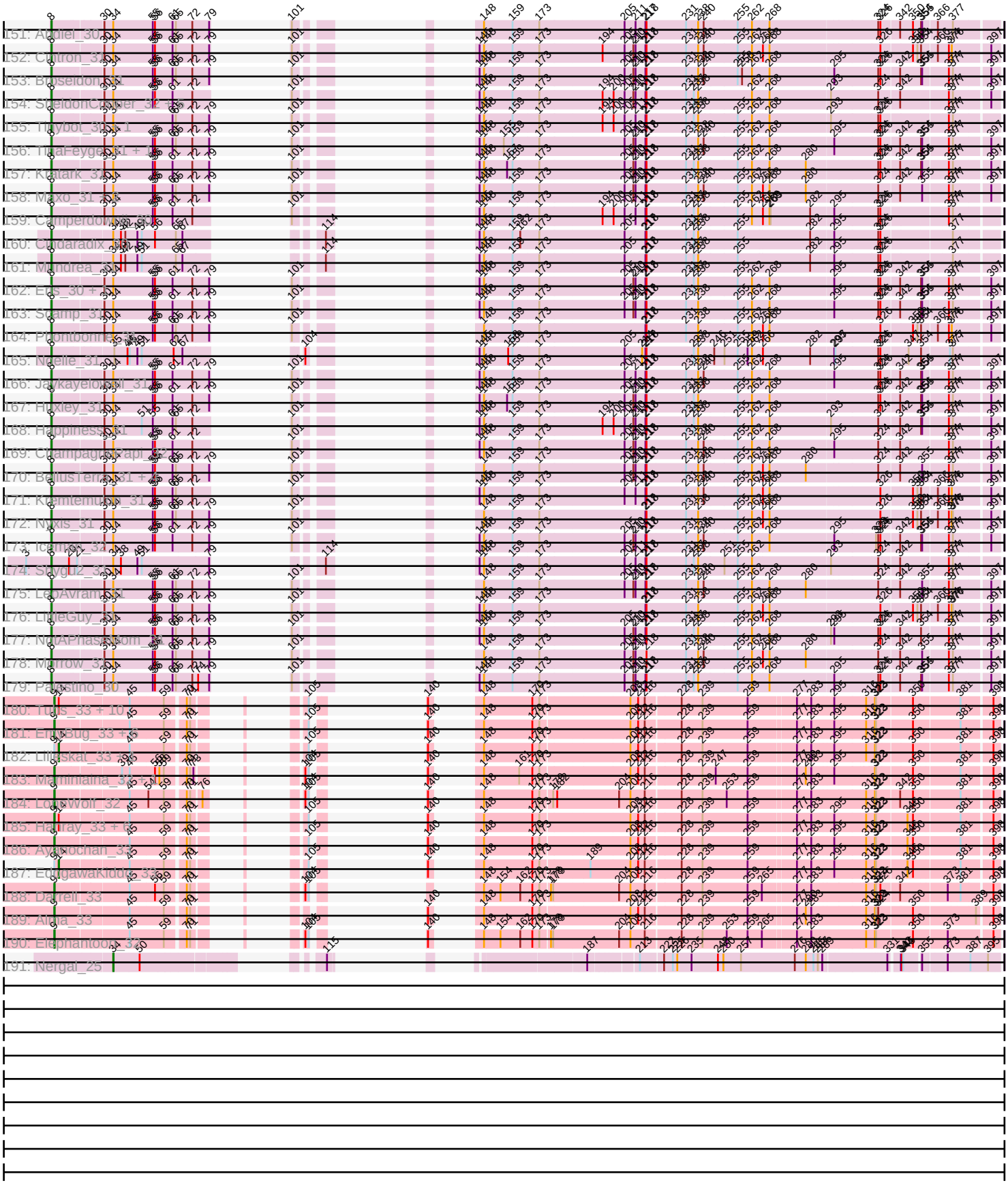
Pham 347092



Pham 347092



Pham 347092



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 347092 Report

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

Pham number 347092 has 455 members, 29 are drafts.

Phages represented in each track:
- Track 1 : DontArgue_31
- Track 2 : WalterMcMickey_33, Twister_33
- Track 3 : Poompha_31
- Track 4 : Topanga_33
- Track 5 : KittenMittens_31
- Track 6 : Chupacabra_32
- Track 7 : PeaceMeal1_31
- Track 8 : Kristoff_34
- Track 9 : Eaglepride_34
- Track 10 : RhynO_34
- Track 11 : Edison31_33
- Track 12 : Drake94_31
- Track 13 : Goose_32
- Track 14 : Rebeuca_34
- Track 15 : OKCentral2016_32
- Track 16 : Shapes_37, Rowdy_37, DustyMartin_37
- Track 17 : Trike_30
- Track 18 : Severus_31
- Track 19 : MaCh_31, Bachome_31
- Track 20 : Gilberta_31, Aneem_31, Munch_31, Lucivia_31, Joselito_31, Flaverint_31, Jabith_31, Bowtie_31
- Track 21 : Insomnia_31
- Track 22 : 40AC_34
- Track 23 : MyraDee_29
- Track 24 : Kimona_28
- Track 25 : Baehexic_32, Centaur_33
- Track 26 : Gratitude_33, WideWale_33, Updawg_33, Equemioh13_33
- Track 27 : Loser_35
- Track 28 : Bradman_30, Quokka_29, MajorMajor_30
- Track 29 : XianYue_31
- Track 30 : Odin_30
- Track 31 : Pukovnik_33
- Track 32 : BengiVuitton_32
- Track 33 : BobSwaget_34
- Track 34 : Jaan_35
- Track 35 : ForesterFrank_34
- Track 36 : LionsBait_32, HippoHollow_32

- Track 37 : MiculUcigas_31
- Track 38 : Bugsy_33
- Track 39 : TarsusIV_31
- Track 40 : Leogania_33
- Track 41 : Adzzy_32
- Track 42 : WeiHuaDA_36
- Track 43 : Trixie_34
- Track 44 : SnapTap_31, Crucio_31
- Track 45 : L5_31
- Track 46 : Changeling_34
- Track 47 : Agape74_33, AbbyPaige_33
- Track 48 : Heffalump_33
- Track 49 : JoshKayV_33
- Track 50 : ArcherNM_34
- Track 51 : BiancaTri92_33
- Track 52 : Terrific_33
- Track 53 : Benvolio_31, Echild_31
- Track 54 : Drake55_33
- Track 55 : Superchunk_30, Caraxes_30
- Track 56 : Acolyte_31
- Track 57 : Koduck_32
- Track 58 : Larenn_32
- Track 59 : Sknot_31, Flare16_31
- Track 60 : FiringLine_31, QueenBeesly_31
- Track 61 : Bactobuster_33
- Track 62 : Piro94_32
- Track 63 : BabyBack_33
- Track 64 : IronMan_34
- Track 65 : Ph8s_32
- Track 66 : Phaded_35
- Track 67 : GaugeLDP_33
- Track 68 : NothingSpecial_33
- Track 69 : Serenity_30
- Track 70 : Turbido_33, Whabigail7_33, LilTurb_33
- Track 71 : Che12_33
- Track 72 : Dignity_33
- Track 73 : Jerm_33
- Track 74 : Georgie2_32
- Track 75 : Anselm_31
- Track 76 : NicoleTera_35
- Track 77 : Power_31
- Track 78 : Lokk_34
- Track 79 : SemperFi_33
- Track 80 : EZMoney23_35
- Track 81 : SwirlSquare_32
- Track 82 : HarryHoudini_33
- Track 83 : Trooper_31
- Track 84 : CRB1_31
- Track 85 : SweetiePie_31
- Track 86 : Miko_34
- Track 87 : DudeLittle_31
- Track 88 : NaSiaTalie_31
- Track 89 : Jsquared_30

• Track 90 : Prudy_35
• Track 91 : Colin_34
• Track 92 : Fameo_31, QueenB2_31
• Track 93 : Retro23_31
• Track 94 : RedRock_35
• Track 95 : Tristan_33
• Track 96 : Landor_33
• Track 97 : Rachaly_34
• Track 98 : AnnaL29_35
• Track 99 : Deloris_32
• Track 100 : Leviathan_33
• Track 101 : Dalmatian_31
• Track 102 : Smeagan_33
• Track 103 : Kalpine_34
• Track 104 : Texage_31, Hookmount_32, EtoileNova_32, Norbert_31, Lambert1_32, Noella_32, Popcicle_32, Panamaxus_31, Caviar_32, Pocahontas_32
• Track 105 : Vix_33, Microwolf_33, Montavir_32, Dieselweasel_33, MuchMore_35, DaHudson_33, Colbster_33, Phoebe_33, JHC117_33, Grum1_33, GtownJaz_33, AugsMagnumOpus_35, Penny1_33, EpicPhail_33, LBerry_33, Aglet_33, MarQuardt_33, GingkoMaracino_33, Mainiac_33, Pembroke_33, Cullens_33, Stagni_33, Fernando_33, LugYA_35, Lilith_33, Snickers_33, Watson_33, Lowa_33, Bigflo_33, Malinsilva_35, Wooldri_35, Anubis_35, P28Green_33, Taurus_33, JenCasNa_33, SoYo_33, Grub_33, Beauxregard13_33, MoneyMay_33, Marie_33, Sabinator_33, Hercules11_33, MadMarie_33, StepMih_33, PGHhamlin_35, Croquant_34, PotatoSplit_34, Farber_33, Gwennie_33, BreSam8_33, Sabia_33, Ollie_33
• Track 106 : Heathen_31, Roimos_31, Fred313_31, Zarafa_31, DropBear_31, Scout_31, Kachowdy_31, HelDan_31, Marchesa_31
• Track 107 : Kalb97_34
• Track 108 : Reba_34, Phranny_34
• Track 109 : Manu_34, Groupthink_34, ClownCar_33, PurpleHaze_33, Pawn_33, Marius_34, Heliosoles_33, Gemma_33, Calvinny_33
• Track 110 : Pistachio_32, Clammy_32, TNguyen7_31, Idleandcovert_31, BlueBird_32, Giroux_32, SaturnRing_31, Puppy_32, Bugatti_32
• Track 111 : QuinnKiro_31, Veracruz_31, Todacoro_32
• Track 112 : BabyRay_31
• Track 113 : Goose1D_31, Goose1X_31, Shep_31
• Track 114 : Soshari_35, Methuselah_32
• Track 115 : Grif_33
• Track 116 : Kalnoky_34, JeppNRM_34
• Track 117 : B1_29
• Track 118 : Isca_31
• Track 119 : MA5_31
• Track 120 : Phoxy_33, LarryKay_33, Rummer_33, HashRod_34, Louie6_33, Bxz2_32, BuzzBuzz_32, TinyPebbles_33, Misomonster_35, KADY_34, Daishi_32, AgronaGT15_33
• Track 121 : Tiffany_33
• Track 122 : Margo_32
• Track 123 : BabyJohn_30, Chiqui_30
• Track 124 : Jobu08_33
• Track 125 : JF2_31, JF4_31
• Track 126 : ResDef_32
• Track 127 : Cat_29

• Track 128 : Spike509_33
• Track 129 : Zetzy_32
• Track 130 : HaveUMetTed_34, ACFishhook_33
• Track 131 : MK4_31
• Track 132 : SoilDragon_33
• Track 133 : Rockstar_31
• Track 134 : PhishRPhriends_32
• Track 135 : OlanP_33
• Track 136 : Phantastic_31
• Track 137 : HamSlice_30, Skadoosh_31, Eapen_31, Relief_31, LappelDuVide_31, TroyPia_31, Pipcraft_31, Citius_31, Lunsford_32
• Track 138 : Morpher26_31, Datway_31, AbbysRanger_31, Achebe_30, PetiteSangsue_31, Katalie136_31, Perplexer_31, Backyardigan_31, Badger_31, Bumblebee11_31, Xena_31, Cici_31
• Track 139 : Stasia_32
• Track 140 : Pumbaa_31
• Track 141 : Bartimeaus_31, Wilbur_31, Ruin_31, TygerBlood_31, SteMason_31, Albee_31, RockieBear_31, Flux_31, Junimo_30, Bombshell_31, TiroTheta9_31, Sabertooth_31, KekoraPapaka_30, JoongJeon_31, Melvin_31, Druantia_31, Millski_30, CentreCat_31, Thanksgivukkah_31, Lemur_31, LittleB_31, Holli_31, Skipitt_31, Kingmustik0402_31, Romney_31, JetBlade_31, Roosevelt_31, Phelipe_31, Taquarus_31, Buckaroo_30, Baby16_31, Chaph_31, Peaches_31, Deano_31, Connomayer_31, Florean_31, SenorClean_31, Dhanush_31, Commander_31, Wizard007_31, Medusa_31, Blackmoor_31, Burger_30, Eros_31, Clarenza_31, YoSam321_31
• Track 142 : Bruiser_30, Koreni_30, Avle17_31, Alberto7_32, Nemo27_31, Caelakin_31, Wander_31, Spino_31, Cocoaberry_31, Maverick_31, Phacado_31, Gadost_31, Houdini22_31
• Track 143 : Arturo_30
• Track 144 : Wile_31
• Track 145 : Koan_31
• Track 146 : Stink_32, AvatarAhPeg_32, Miramae_31
• Track 147 : Mazhar510_31, PeterPeter_31, Lorenzo_31, Shaka_31, Mayonnaise_31, ICleared_31, Sultana_31
• Track 148 : Annyong_31, BubbleTrouble_31, Kyee_31, Northrop_31, KFPoly_31, MeeZee_31, Rocksand_31
• Track 149 : LochMonster_31, Phighter1804_31, DirtyDunning_31, Ulysses_30, Iracema64_32
• Track 150 : OKaNui_32
• Track 151 : Abdiel_30
• Track 152 : Cintron_31
• Track 153 : Broseidon_31
• Track 154 : SheldonCooper_32, Obama12_32, Eagle_30, LHTSCC_32, BangNhom_31, Cerulean_32
• Track 155 : Tinybot_30, Rosa24_30
• Track 156 : TinaFeyge_31, NorthStar_31
• Track 157 : Kratark_31
• Track 158 : Maxo_31, Kampy_31, Sparxx_31
• Track 159 : Camperdownii_30
• Track 160 : Cindaradix_30
• Track 161 : Mundrea_31
• Track 162 : Eris_30, Funston_31
• Track 163 : Scamp_31

• Track 164 : Phontbonne_31
• Track 165 : Noelle_31
• Track 166 : Jaykayelowell_31
• Track 167 : Huxley_31
• Track 168 : Happiness_31
• Track 169 : ChampagnePapi_32
• Track 170 : BellusTerra_31, Eurydice_31, Ohfah_31, Nebs_31, Polymorphads_31
• Track 171 : Kremtemulon_31
• Track 172 : Nyxis_31
• Track 173 : Iceman_32
• Track 174 : Shygu2_31
• Track 175 : LeoAvram_31
• Track 176 : LittleGuy_31
• Track 177 : NotAPhaseMom_31
• Track 178 : Morrow_31
• Track 179 : Palestino_30
• Track 180 : Tubs_33, Aliter_33, Fayely_33, Myxus_33, Holex_33, Catalina_34, HortumSL17_33, Phaeder_33, Ugenie5_30, PackMan_33, Scherzo_33
• Track 181 : EmyBug_33, Eidsmoe_33, Conquerage_33, Qobbit_33, Spouty_33, Priya_33, ExplosioNervosa_33
• Track 182 : Lilleskat_33, Sachima_33
• Track 183 : Maminiaina_32, BogosyJay_32
• Track 184 : LoneWolf_32
• Track 185 : Hanray_33, Beemo_33, Jiawan_33, RyeScarlet_33, Onglai_32, Pioneer_33, Phonnegut_33
• Track 186 : Ayanochan_33
• Track 187 : EdogawaKiddo_33
• Track 188 : Darrell_33
• Track 189 : Alma_33
• Track 190 : Elephantoon_32
• Track 191 : Nergal_25

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

The start number called the most often in the published annotations is 8, it was called in 170 of the 426 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbysRanger_31, Abdiel_30, Achebe_30, Albee_31, Alberto7_32, Annyong_31, Arturo_30, AvatarAhPeg_32, Avle17_31, Baby16_31, Backyardigan_31, Bactobuster_33, Badger_31, BangNhom_31, Bartimeaus_31, BellusTerra_31, BiancaTri92_33, Blackmoor_31, Bombshell_31, Broseidon_31, Bruiser_30, BubbleTrouble_31, Buckaroo_30, Bumblebee11_31, Burger_30, Caelakin_31, Camperdownii_30, CentreCat_31, Cerulean_32, ChampagnePapi_32, Chaph_31, Chupacabra_32, Cici_31, Cindaradix_30, Cintron_31, Citius_31, Clarenza_31, Cocoaberry_31, Commander_31, Connomayer_31, Datway_31, Deano_31, Dhanush_31, DirtyDunning_31, DontArgue_31, Drake94_31, Druantia_31, DustyMartin_37, Eagle_30, Eaglepride_34, Eapen_31, Edison31_33, Eris_30, Eros_31, Eurydice_31, Florean_31, Flux_31, Funston_31, Gadost_31, Goose_32, HamSlice_30, Happiness_31, Holli_31, Houdini22_31, Huxley_31, ICleared_31,

Iceman_32, Iracema64_32, Jaan_35, Jaykayelowell_31, JetBlade_31, JoongJeon_31, Junimo_30, KFPoly_31, Kampy_31, Katalie136_31, KekoraPapaka_30, Kimona_28, Kingmustik0402_31, KittenMittens_31, Koan_31, Koreni_30, Kratark_31, Kremtemulon_31, Kristoff_34, Kyee_31, LHTSCC_32, Landor_33, LappelDuVide_31, Lemur_31, LeoAvram_31, Leogania_33, LittleB_31, LittleGuy_31, LochMonster_31, Lorenzo_31, Lunsford_32, Maverick_31, Maxo_31, Mayonnaise_31, Mazhar510_31, Medusa_31, MeeZee_31, Melvin_31, Millski_30, Miramae_31, Morpher26_31, Morrow_31, Mundrea_31, MyraDee_29, Nebs_31, Nemo27_31, Noelle_31, NorthStar_31, Northrop_31, NotAPhaseMom_31, Nyxis_31, OKCentral2016_32, OKaNui_32, Obama12_32, Ohfah_31, Palestino_30, PeaceMeal1_31, Peaches_31, Perplexer_31, PeterPeter_31, PetiteSangsue_31, Phacado_31, Phaded_35, Phelipe_31, Phighter1804_31, Phontbonne_31, Pipcraft_31, Polymorphads_31, Poompha_31, Pumbaa_31, Rebeuca_34, Relief_31, RhynO_34, RockieBear_31, Rocksand_31, Romney_31, Roosevelt_31, Rosa24_30, Rowdy_37, Ruin_31, Sabertooth_31, Scamp_31, SenorClean_31, Severus_31, Shaka_31, Shapes_37, SheldonCooper_32, Shygu2_31, Skadoosh_31, Skipitt_31, Sparxx_31, Spino_31, Stasia_32, SteMason_31, Stink_32, Sultana_31, Taquarus_31, Thanksgivukkah_31, TinaFeyge_31, Tinybot_30, TiroTheta9_31, Topanga_33, Trike_30, Tristan_33, TroyPia_31, Twister_33, TygerBlood_31, Ulysses_30, WalterMcMickey_33, Wander_31, Wilbur_31, Wile_31, Wizard007_31, Xena_31, YoSam321_31,

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

Genes that do not have the "Most Annotated" start:
• 40AC_34, ACFishhook_33, AbbyPaige_33, Acolyte_31, Adzzy_32, Agape74_33, Aglet_33, AgronaGT15_33, Aliter_33, Alma_33, Aneem_31, AnnaL29_35, Anselm_31, Anubis_35, ArcherNM_34, AugsMagnumOpus_35, Ayanochan_33, B1_29, BabyBack_33, BabyJohn_30, BabyRay_31, Bachome_31, Baehexic_32, Beauxregard13_33, Beemo_33, BengiVuitton_32, Benvolio_31, Bigflo_33, BlueBird_32, BobSwaget_34, BogosyJay_32, Bowtie_31, Bradman_30, BreSam8_33, Bugatti_32, Bugsy_33, BuzzBuzz_32, Bxz2_32, CRB1_31, Calvinny_33, Caraxes_30, Cat_29, Catalina_34, Caviar_32, Centaur_33, Changeling_34, Che12_33, Chiqui_30, Clammy_32, ClownCar_33, Colbster_33, Colin_34, Conquerage_33, Croquant_34, Crucio_31, Cullens_33, DaHudson_33, Daishi_32, Dalmatian_31, Darrell_33, Deloris_32, Dieselweasel_33, Dignity_33, Drake55_33, DropBear_31, DudeLittle_31, EZMoney23_35, Echild_31, EdogawaKiddo_33, Eidsmoe_33, Elephantoon_32, EmyBug_33, EpicPhail_33, Equemioh13_33, EtoileNova_32, ExplosioNervosa_33, Fameo_31, Farber_33, Fayely_33, Fernando_33, FiringLine_31, Flare16_31, Flaverint_31, ForesterFrank_34, Fred313_31, GaugeLDP_33, Gemma_33, Georgie2_32, Gilberta_31, GingkoMaracino_33, Giroux_32, Goose1D_31, Goose1X_31, Gratitude_33, Grif_33, Groupthink_34, Grub_33, Grum1_33, GtownJaz_33, Gwennie_33, Hanray_33, HarryHoudini_33, HashRod_34, HaveUMetTed_34, Heathen_31, Heffalump_33, HelDan_31, Heliosoles_33, Hercules11_33, HippoHollow_32, Holex_33, Hookmount_32, HortumSL17_33, Idleandcovert_31, Insomnia_31, IronMan_34, Isca_31, JF2_31, JF4_31, JHC117_33, Jabith_31, JenCasNa_33, JeppNRM_34, Jerm_33, Jiawan_33, Jobu08_33, Joselito_31, JoshKayV_33, Jsquared_30, KADY_34, Kachowdy_31, Kalb97_34, Kalnoky_34, Kalpine_34, Koduck_32, L5_31, LBerry_33, Lambert1_32, Larenn_32, LarryKay_33, Leviathan_33, LilTurb_33, Lilith_33, Lilleskat_33, LionsBait_32, Lokk_34, LoneWolf_32, Loser_35, Louie6_33, Lowa_33, Lucivia_31, LugYA_35, MA5_31,

MK4_31, MaCh_31, MadMarie_33, Mainiac_33, MajorMajor_30, Malinsilva_35, Maminiaina_32, Manu_34, MarQuardt_33, Marchesa_31, Margo_32, Marie_33, Marius_34, Methuselah_32, Microwolf_33, MiculUcigas_31, Miko_34, Misomonster_35, MoneyMay_33, Montavir_32, MuchMore_35, Munch_31, Myxus_33, NaSiaTalie_31, Nergal_25, NicoleTera_35, Noella_32, Norbert_31, NothingSpecial_33, Odin_30, OlanP_33, Ollie_33, Onglai_32, P28Green_33, PGHhamlin_35, PackMan_33, Panamaxus_31, Pawn_33, Pembroke_33, Penny1_33, Ph8s_32, Phaeder_33, Phantastic_31, PhishRPhriends_32, Phoebe_33, Phonnegut_33, Phoxy_33, Phranny_34, Pioneer_33, Piro94_32, Pistachio_32, Pocahontas_32, Popcicle_32, PotatoSplit_34, Power_31, Priya_33, Prudy_35, Pukovnik_33, Puppy_32, PurpleHaze_33, Qobbit_33, QueenB2_31, QueenBeesly_31, QuinnKiro_31, Quokka_29, Rachaly_34, Reba_34, RedRock_35, ResDef_32, Retro23_31, Rockstar_31, Roimos_31, Rummer_33, RyeScarlet_33, Sabia_33, Sabinator_33, Sachima_33, SaturnRing_31, Scherzo_33, Scout_31, SemperFi_33, Serenity_30, Shep_31, Sknot_31, Smeagan_33, SnapTap_31, Snickers_33, SoYo_33, SoilDragon_33, Soshari_35, Spike509_33, Spouty_33, Stagni_33, StepMih_33, Superchunk_30, SweetiePie_31, SwirlSquare_32, TNguyen7_31, TarsusIV_31, Taurus_33, Terrific_33, Texage_31, Tiffany_33, TinyPebbles_33, Todacoro_32, Trixie_34, Trooper_31, Tubs_33, Turbido_33, Ugenie5_30, Updawg_33, Veracruz_31, Vix_33, Watson_33, WeiHuaDA_36, Whabigail7_33, WideWale_33, Wooldri_35, XianYue_31, Zarafa_31, Zetzy_32,

Summary by start number:

Start 1:
• Found in 11 of 455 (2.4%) of genes in pham
• Manual Annotations of this start: 11 of 426
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aneem_31 (A11), Bachome_31 (A11), Bowtie_31 (A11), Flaverint_31 (A11), Gilberta_31 (A11), Insomnia_31 (A11), Jabith_31 (A11), Joselito_31 (A11), Lucivia_31 (A11), MaCh_31 (A11), Munch_31 (A11),

Start 6:
• Found in 1 of 455 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 426
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phantastic_31 (A3),

Start 7:
• Found in 137 of 455 (30.1%) of genes in pham
• Manual Annotations of this start: 124 of 426
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ACFishhook_33 (A3), Aglet_33 (A3), AgronaGT15_33 (A3), Anubis_35 (A3), AugsMagnumOpus_35 (A3), B1_29 (A3), BabyJohn_30 (A3), BabyRay_31 (A3), Beauxregard13_33 (A3), Bigflo_33 (A3), BlueBird_32 (A3), BreSam8_33 (A3), Bugatti_32 (A3), BuzzBuzz_32 (A3), Bxz2_32 (A3), Calvinny_33 (A3), Cat_29 (A3), Caviar_32 (A3), Chiqui_30 (A3), Clammy_32 (A3), ClownCar_33 (A3), Colbster_33 (A3), Croquant_34 (A3), Cullens_33 (A3), DaHudson_33 (A3), Daishi_32 (A3), Dieselweasel_33 (A3), DropBear_31 (A3), EpicPhail_33 (A3), EtoileNova_32 (A3), Farber_33 (A3), Fernando_33 (A3), Fred313_31 (A3), Gemma_33 (A3), GingkoMaracino_33 (A3), Giroux_32 (A3), Goose1D_31 (A3), Goose1X_31 (A3), Grif_33 (A3), Groupthink_34 (A3), Grub_33

(A3), Grum1_33 (A3), GtownJaz_33 (A3), Gwennie_33 (A3), HashRod_34 (A3), HaveUMetTed_34 (A3), Heathen_31 (A3), HelDan_31 (A3), Heliosoles_33 (A3), Hercules11_33 (A3), Hookmount_32 (A3), Idleandcovert_31 (A3), Isca_31 (A3), JF2_31 (A3), JF4_31 (A3), JHC117_33 (A3), JenCasNa_33 (A3), JeppNRM_34 (A3), Jobu08_33 (A3), KADY_34 (A3), Kachowdy_31 (A3), Kalb97_34 (A3), Kalnoky_34 (A3), LBerry_33 (A3), Lambert1_32 (A3), LarryKay_33 (A3), Lilith_33 (A3), Louie6_33 (A3), Lowa_33 (A3), LugYA_35 (A3), MA5_31 (A3), MK4_31 (A3), MadMarie_33 (A3), Mainiac_33 (A3), Malinsilva_35 (A3), Manu_34 (A3), MarQuardt_33 (A3), Marchesa_31 (A3), Margo_32 (A3), Marie_33 (A3), Marius_34 (A3), Methuselah_32 (A3), Microwolf_33 (A3), Misomonster_35 (A3), MoneyMay_33 (A3), Montavir_32 (A3), MuchMore_35 (A3), Noella_32 (A3), Norbert_31 (A3), OlanP_33 (A3), Ollie_33 (A3), P28Green_33 (A3), PGHhamlin_35 (A3), Panamaxus_31 (A3), Pawn_33 (A3), Pembroke_33 (A3), Penny1_33 (A3), PhishRPhriends_32 (A3), Phoebe_33 (A3), Phoxy_33 (A3), Phranny_34 (A3), Pistachio_32 (A3), Pocahontas_32 (A3), Popcicle_32 (A3), PotatoSplit_34 (A3), Puppy_32 (A3), PurpleHaze_33 (A3), QuinnKiro_31 (A3), Reba_34 (A3), ResDef_32 (A3), Rockstar_31 (A3), Roimos_31 (A3), Rummer_33 (A3), Sabia_33 (A3), Sabinator_33 (A3), SaturnRing_31 (A3), Scout_31 (A3), Shep_31 (A3), Snickers_33 (A3), SoYo_33 (A3), SoilDragon_33 (A3), Soshari_35 (A3), Spike509_33 (A3), Stagni_33 (A3), StepMih_33 (A3), TNguyen7_31 (A3), Taurus_33 (A3), Texage_31 (A3), Tiffany_33 (A3), TinyPebbles_33 (A3), Todacoro_32 (A3), Veracruz_31 (A3), Vix_33 (A3), Watson_33 (A3), Wooldri_35 (A3), Zarafa_31 (A3), Zetzy_32 (A3),

Start 8:
• Found in 181 of 455 (39.8%) of genes in pham
• Manual Annotations of this start: 170 of 426
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbysRanger_31 (A4), Abdiel_30 (A4), Achebe_30 (A4), Albee_31 (A4), Alberto7_32 (A4), Annyong_31 (A4), Arturo_30 (A4), AvatarAhPeg_32 (A4), Avle17_31 (A4), Baby16_31 (A4), Backyardigan_31 (A4), Bactobuster_33 (A2), Badger_31 (A4), BangNhom_31 (A4), Bartimeaus_31 (A4), BellusTerra_31 (A4), BiancaTri92_33 (A2), Blackmoor_31 (A4), Bombshell_31 (A4), Broseidon_31 (A4), Bruiser_30 (A4), BubbleTrouble_31 (A4), Buckaroo_30 (A4), Bumblebee11_31 (A4), Burger_30 (A4), Caelakin_31 (A4), Camperdownii_30 (A4), CentreCat_31 (A4), Cerulean_32 (A4), ChampagnePapi_32 (A4), Chaph_31 (A4), Chupacabra_32 (A10), Cici_31 (A4), Cindaradix_30 (A4), Cintron_31 (A4), Citius_31 (A4), Clarenza_31 (A4), Cocoaberry_31 (A4), Commander_31 (A4), Connomayer_31 (A4), Datway_31 (A4), Deano_31 (A4), Dhanush_31 (A4), DirtyDunning_31 (A4), DontArgue_31 (A10), Drake94_31 (A10), Druantia_31 (A4), DustyMartin_37 (A10), Eagle_30 (A4), Eaglepride_34 (A10), Eapen_31 (A4), Edison31_33 (A10), Eris_30 (A4), Eros_31 (A4), Eurydice_31 (A4), Florean_31 (A4), Flux_31 (A4), Funston_31 (A4), Gadost_31 (A4), Goose_32 (A10), HamSlice_30 (A4), Happiness_31 (A4), Holli_31 (A4), Houdini22_31 (A4), Huxley_31 (A4), ICleared_31 (A4), Iceman_32 (A4), Iracema64_32 (A4), Jaan_35 (A2), Jaykayelowell_31 (A4), JetBlade_31 (A4), JoongJeon_31 (A4), Junimo_30 (A4), KFPoly_31 (A4), Kampy_31 (A4), Katalie136_31 (A4), KekoraPapaka_30 (A4), Kimona_28 (A19), Kingmustik0402_31 (A4), KittenMittens_31 (A10), Koan_31 (A4), Koreni_30 (A4), Kratark_31 (A4), Kremtemulon_31 (A4), Kristoff_34 (A10), Kyee_31 (A4), LHTSCC_32 (A4), Landor_33 (A2), LappelDuVide_31 (A4), Lemur_31 (A4), LeoAvram_31 (A4), Leogania_33 (A2), LittleB_31 (A4), LittleGuy_31 (A4), LochMonster_31 (A4), Lorenzo_31 (A4), Lunsford_32 (A4), Maverick_31 (A4), Maxo_31 (A4), Mayonnaise_31 (A4), Mazhar510_31 (A4), Medusa_31 (A4), MeeZee_31 (A4), Melvin_31 (A4), Millski_30 (A4), Miramae_31 (A4), Morpher26_31 (A4), Morrow_31

(A4), Mundrea_31 (A4), MyraDee_29 (A18), Nebs_31 (A4), Nemo27_31 (A4), Noelle_31 (A4), NorthStar_31 (A4), Northrop_31 (A4), NotAPhaseMom_31 (A4), Nyxis_31 (A4), OKCentral2016_32 (A10), OKaNui_32 (A4), Obama12_32 (A4), Ohfah_31 (A4), Palestino_30 (A4), PeaceMeal1_31 (A10), Peaches_31 (A4), Perplexer_31 (A4), PeterPeter_31 (A4), PetiteSangsue_31 (A4), Phacado_31 (A4), Phaded_35 (A2), Phelipe_31 (A4), Phighter1804_31 (A4), Phontbonne_31 (A4), Pipcraft_31 (A4), Polymorphads_31 (A4), Poompha_31 (A10), Pumbaa_31 (A4), Rebeuca_34 (A10), Relief_31 (A4), RhynO_34 (A10), RockieBear_31 (A4), Rocksand_31 (A4), Romney_31 (A4), Roosevelt_31 (A4), Rosa24_30 (A4), Rowdy_37 (A10), Ruin_31 (A4), Sabertooth_31 (A4), Scamp_31 (A4), SenorClean_31 (A4), Severus_31 (A10), Shaka_31 (A4), Shapes_37 (A10), SheldonCooper_32 (A4), Shygu2_31 (A4), Skadoosh_31 (A4), Skipitt_31 (A4), Sparxx_31 (A4), Spino_31 (A4), Stasia_32 (A4), SteMason_31 (A4), Stink_32 (A4), Sultana_31 (A4), Taquarus_31 (A4), Thanksgivukkah_31 (A4), TinaFeyge_31 (A4), Tinybot_30 (A4), TiroTheta9_31 (A4), Topanga_33 (A10), Trike_30 (A10), Tristan_33 (A2), TroyPia_31 (A4), Twister_33 (A10), TygerBlood_31 (A4), Ulysses_30 (A4), WalterMcMickey_33 (A10), Wander_31 (A4), Wilbur_31 (A4), Wile_31 (A4), Wizard007_31 (A4), Xena_31 (A4), YoSam321_31 (A4),

Start 9:
• Found in 35 of 455 (7.7%) of genes in pham
• Manual Annotations of this start: 32 of 426
• Called 91.4% of time when present
• Phage (with cluster) where this start called: Aliter_33 (A9), Alma_33 (A9), Ayanochan_33 (A9), Beemo_33 (A9), BogosyJay_32 (A9), Catalina_34 (A9), Conquerage_33 (A9), Darrell_33 (A9), Eidsmoe_33 (A9), Elephantoon_32 (A9), EmyBug_33 (A9), ExplosioNervosa_33 (A9), Fayely_33 (A9), Hanray_33 (A9), Holex_33 (A9), HortumSL17_33 (A9), Jiawan_33 (A9), LoneWolf_32 (A9), Maminiaina_32 (A9), Myxus_33 (A9), Onglai_32 (A9), PackMan_33 (A9), Phaeder_33 (A9), Phonnegut_33 (A9), Pioneer_33 (A9), Priya_33 (A9), Qobbit_33 (A9), RyeScarlet_33 (A9), Scherzo_33 (A9), Spouty_33 (A9), Tubs_33 (A9), Ugenie5_30 (A9),

Start 10:
• Found in 19 of 455 (4.2%) of genes in pham
• Manual Annotations of this start: 5 of 426
• Called 26.3% of time when present
• Phage (with cluster) where this start called: Colin_34 (A2), Kalpine_34 (A2), Trixie_34 (A2), WeiHuaDA_36 (A2), XianYue_31 (A2),

Start 11:
• Found in 1 of 455 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 426
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acolyte_31 (A2),

Start 12:
• Found in 34 of 455 (7.5%) of genes in pham
• Manual Annotations of this start: 34 of 426
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyPaige_33 (A2), Agape74_33 (A2), Baehexic_32 (A2), Benvolio_31 (A2), BobSwaget_34 (A2), Bugsy_33 (A2), Centaur_33 (A2), Dignity_33 (A2), Drake55_33 (A2), Echild_31 (A2), Equemioh13_33

(A2), Flare16_31 (A2), Gratitude_33 (A2), HarryHoudini_33 (A2), HippoHollow_32 (A2), Jerm_33 (A2), Larenn_32 (A2), Leviathan_33 (A2), LilTurb_33 (A2), LionsBait_32 (A2), Lokk_34 (A2), MiculUcigas_31 (A2), Miko_34 (A2), NaSiaTalie_31 (A2), NicoleTera_35 (A2), Piro94_32 (A2), Rachaly_34 (A2), Sknot_31 (A2), Smeagan_33 (A2), Terrific_33 (A2), Turbido_33 (A2), Updawg_33 (A2), Whabigail7_33 (A2), WideWale_33 (A2),

Start 13:
• Found in 49 of 455 (10.8%) of genes in pham
• Manual Annotations of this start: 44 of 426
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 40AC_34 (A17), Adzzy_32 (A2), AnnaL29_35 (A2), Anselm_31 (A2), ArcherNM_34 (A2), BabyBack_33 (A2), BengiVuitton_32 (A2), Bradman_30 (A2), CRB1_31 (A2), Caraxes_30 (A2), Changeling_34 (A2), Che12_33 (A2), Crucio_31 (A2), Dalmatian_31 (A2), Deloris_32 (A2), DudeLittle_31 (A2), EZMoney23_35 (A2), Fameo_31 (A2), FiringLine_31 (A2), ForesterFrank_34 (A2), GaugeLDP_33 (A2), Georgie2_32 (A2), Heffalump_33 (A2), IronMan_34 (A2), JoshKayV_33 (A2), Jsquared_30 (A2), Koduck_32 (A2), L5_31 (A2), Loser_35 (A2), MajorMajor_30 (A2), NothingSpecial_33 (A2), Odin_30 (A2), Ph8s_32 (A2), Power_31 (A2), Prudy_35 (A2), Pukovnik_33 (A2), QueenB2_31 (A2), QueenBeesly_31 (A2), Quokka_29 (A2), RedRock_35 (A2), Retro23_31 (A2), SemperFi_33 (A2), Serenity_30 (A2), SnapTap_31 (A2), Superchunk_30 (A2), SweetiePie_31 (A2), SwirlSquare_32 (A2), TarsusIV_31 (A2), Trooper_31 (A2),

Start 14:
• Found in 32 of 455 (7.0%) of genes in pham
• Manual Annotations of this start: 3 of 426
• Called 9.4% of time when present
• Phage (with cluster) where this start called: EdogawaKiddo_33 (A9), Lilleskat_33 (A9), Sachima_33 (A9),

Start 34:
• Found in 174 of 455 (38.2%) of genes in pham
• Manual Annotations of this start: 1 of 426
• Called 0.6% of time when present
• Phage (with cluster) where this start called: Nergal_25 (AG),

Summary by clusters:

There are 10 clusters represented in this pham: A17, A11, A10, AG, A19, A18, A3, A2, A4, A9,

Info for manual annotations of cluster A10:
•Start number 8 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 1 was manually annotated 11 times for cluster A11.

Info for manual annotations of cluster A18:
•Start number 8 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

•Start number 8 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 8 was manually annotated 7 times for cluster A2.
•Start number 10 was manually annotated 5 times for cluster A2.
•Start number 11 was manually annotated 1 time for cluster A2.
•Start number 12 was manually annotated 34 times for cluster A2.
•Start number 13 was manually annotated 44 times for cluster A2.

Info for manual annotations of cluster A3:
•Start number 6 was manually annotated 1 time for cluster A3.
•Start number 7 was manually annotated 124 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 8 was manually annotated 144 times for cluster A4.

Info for manual annotations of cluster A9:
•Start number 9 was manually annotated 32 times for cluster A9.
•Start number 14 was manually annotated 3 times for cluster A9.

Info for manual annotations of cluster AG:
•Start number 34 was manually annotated 1 time for cluster AG.

Gene Information:

Gene: 40AC_34 Start: 24978, Stop: 26762, Start Num: 13
Candidate Starts for 40AC_34:
(Start: 13 @24978 has 44 MA's), (18, 24999), (32, 25098), (33, 25104), (38, 25131), (47, 25167), (51, 25188), (56, 25224), (58, 25236), (59, 25248), (76, 25350), (100, 25371), (139, 25425), (141, 25437), (153, 25503), (170, 25593), (173, 25611), (178, 25635), (196, 25770), (208, 25836), (216, 25875), (228, 25965), (239, 26022), (253, 26088), (259, 26145), (283, 26307), (316, 26445), (323, 26469), (347, 26547), (350, 26559), (369, 26622), (373, 26640), (398, 26745),

Gene: ACFishhook_33 Start: 23442, Stop: 25250, Start Num: 7
Candidate Starts for ACFishhook_33:
(Start: 7 @23442 has 124 MA's), (30, 23577), (45, 23643), (52, 23688), (53, 23691), (76, 23838), (104, 23883), (139, 23913), (170, 24081), (173, 24099), (178, 24123), (201, 24285), (208, 24324), (216, 24363), (228, 24453), (257, 24615), (260, 24636), (271, 24723), (280, 24780), (283, 24795), (298, 24858), (316, 24933), (322, 24954), (350, 25047), (359, 25086), (373, 25128), (397, 25227),

Gene: AbbyPaige_33 Start: 23268, Stop: 25358, Start Num: 12
Candidate Starts for AbbyPaige_33:
(Start: 12 @23268 has 34 MA's), (30, 23382), (32, 23391), (33, 23397), (51, 23481), (58, 23529), (73, 23619), (76, 23643), (84, 23697), (106, 23808), (124, 23943), (170, 24180), (173, 24198), (178, 24222), (191, 24330), (203, 24393), (208, 24423), (216, 24462), (228, 24552), (239, 24609), (240, 24612), (251, 24669), (257, 24714), (260, 24735), (287, 24912), (289, 24924), (297, 24951), (323, 25056), (351, 25146), (386, 25269), (388, 25281), (391, 25305), (398, 25335), (402, 25350),

Gene: AbbysRanger_31 Start: 22986, Stop: 24845, Start Num: 8
Candidate Starts for AbbysRanger_31:

(3, 22926), (Start: 8 @22986 has 170 MA's), (21, 23052), (27, 23097), (29, 23103), (Start: 34 @23136 has 1 MA's), (38, 23154), (49, 23199), (50, 23205), (51, 23211), (65, 23304), (67, 23319), (79, 23391), (114, 23451), (145, 23502), (148, 23514), (159, 23592), (173, 23661), (186, 23784), (192, 23808), (205, 23889), (214, 23934), (217, 23943), (218, 23946), (237, 24075), (238, 24084), (246, 24126), (251, 24153), (255, 24189), (259, 24216), (262, 24228), (282, 24384), (324, 24558), (326, 24564), (342, 24609), (354, 24660), (355, 24663), (366, 24699), (377, 24735),

Gene: Abdiel_30 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for Abdiel_30:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (268, 24241), (324, 24526), (326, 24532), (342, 24577), (350, 24610), (354, 24628), (355, 24631), (366, 24667), (377, 24703),

Gene: Achebe_30 Start: 22969, Stop: 24828, Start Num: 8
Candidate Starts for Achebe_30:
(3, 22909), (Start: 8 @22969 has 170 MA's), (21, 23035), (27, 23080), (29, 23086), (Start: 34 @23119 has 1 MA's), (38, 23137), (49, 23182), (50, 23188), (51, 23194), (65, 23287), (67, 23302), (79, 23374), (114, 23434), (145, 23485), (148, 23497), (159, 23575), (173, 23644), (186, 23767), (192, 23791), (205, 23872), (214, 23917), (217, 23926), (218, 23929), (237, 24058), (238, 24067), (246, 24109), (251, 24136), (255, 24172), (259, 24199), (262, 24211), (282, 24367), (324, 24541), (326, 24547), (342, 24592), (354, 24643), (355, 24646), (366, 24682), (377, 24718),

Gene: Acolyte_31 Start: 23339, Stop: 25057, Start Num: 11
Candidate Starts for Acolyte_31:
(Start: 11 @23339 has 1 MA's), (18, 23363), (33, 23468), (52, 23564), (58, 23600), (59, 23612), (62, 23639), (63, 23642), (72, 23687), (77, 23717), (86, 23768), (108, 23822), (167, 24026), (206, 24263), (244, 24461), (264, 24584), (276, 24680), (336, 24908), (348, 24941),

Gene: Adzzy_32 Start: 21442, Stop: 23085, Start Num: 13
Candidate Starts for Adzzy_32:
(Start: 13 @21442 has 44 MA's), (30, 21553), (37, 21589), (58, 21700), (59, 21712), (86, 21880), (88, 21886), (167, 22150), (172, 22174), (177, 22201), (188, 22288), (206, 22372), (208, 22378), (211, 22384), (218, 22414), (227, 22498), (232, 22519), (259, 22672), (266, 22711), (276, 22798), (290, 22870), (313, 22957), (318, 22966), (330, 23014),

Gene: Agape74_33 Start: 23244, Stop: 25334, Start Num: 12
Candidate Starts for Agape74_33:
(Start: 12 @23244 has 34 MA's), (30, 23358), (32, 23367), (33, 23373), (51, 23457), (58, 23505), (73, 23595), (76, 23619), (84, 23673), (106, 23784), (124, 23919), (170, 24156), (173, 24174), (178, 24198), (191, 24306), (203, 24369), (208, 24399), (216, 24438), (228, 24528), (239, 24585), (240, 24588), (251, 24645), (257, 24690), (260, 24711), (287, 24888), (289, 24900), (297, 24927), (323, 25032), (351, 25122), (386, 25245), (388, 25257), (391, 25281), (398, 25311), (402, 25326),

Gene: Aglet_33 Start: 23278, Stop: 25035, Start Num: 7
Candidate Starts for Aglet_33:
(Start: 7 @23278 has 124 MA's), (30, 23413), (45, 23479), (52, 23524), (58, 23560), (79, 23692), (105, 23728), (141, 23749), (156, 23806), (168, 23866), (181, 23920), (185, 23980), (206, 24100), (207, 24103), (221, 24172), (223, 24196), (239, 24289), (244, 24310), (253, 24355), (308, 24685), (327, 24754), (347, 24817), (394, 24988),

Gene: AgronaGT15_33 Start: 23185, Stop: 24936, Start Num: 7

Candidate Starts for AgronaGT15_33:
(Start: 7 @23185 has 124 MA's), (30, 23320), (45, 23386), (52, 23431), (58, 23467), (75, 23578), (79, 23599), (105, 23635), (141, 23656), (168, 23773), (189, 23911), (206, 24007), (207, 24010), (221, 24079), (223, 24103), (230, 24148), (239, 24196), (253, 24262), (274, 24433), (276, 24439), (285, 24490), (296, 24535), (303, 24565), (316, 24613), (327, 24655), (332, 24670), (334, 24673), (343, 24697), (374, 24799), (375, 24802), (381, 24826),

Gene: Albee_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Albee_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Alberto7_32 Start: 23262, Stop: 25118, Start Num: 8
Candidate Starts for Alberto7_32:
(Start: 8 @23262 has 170 MA's), (30, 23388), (Start: 34 @23412 has 1 MA's), (55, 23517), (56, 23523), (61, 23571), (65, 23580), (72, 23622), (79, 23667), (101, 23673), (145, 23778), (148, 23790), (159, 23868), (173, 23937), (205, 24165), (210, 24189), (211, 24192), (217, 24219), (218, 24222), (231, 24327), (237, 24348), (238, 24357), (255, 24462), (262, 24501), (268, 24546), (293, 24708), (295, 24714), (324, 24831), (326, 24837), (342, 24882), (354, 24933), (355, 24936), (374, 24999), (377, 25008), (397, 25095),

Gene: Aliter_33 Start: 24305, Stop: 26071, Start Num: 9
Candidate Starts for Aliter_33:
(Start: 9 @24305 has 32 MA's), (Start: 14 @24317 has 3 MA's), (45, 24491), (59, 24581), (70, 24626), (71, 24635), (105, 24713), (140, 24737), (148, 24773), (170, 24902), (173, 24920), (208, 25145), (212, 25166), (216, 25184), (228, 25274), (239, 25331), (259, 25454), (277, 25577), (283, 25616), (295, 25673), (316, 25754), (322, 25775), (323, 25778), (350, 25868), (381, 25979), (398, 26054),

Gene: Alma_33 Start: 24420, Stop: 26186, Start Num: 9
Candidate Starts for Alma_33:
(Start: 9 @24420 has 32 MA's), (45, 24606), (59, 24696), (70, 24741), (71, 24750), (140, 24852), (148, 24888), (170, 25017), (173, 25035), (208, 25260), (212, 25281), (216, 25299), (228, 25389), (239, 25446), (259, 25569), (277, 25692), (280, 25716), (283, 25731), (316, 25869), (322, 25890), (323, 25893), (324, 25899), (350, 25983), (389, 26133), (398, 26169),

Gene: Aneem_31 Start: 23397, Stop: 25388, Start Num: 1
Candidate Starts for Aneem_31:
(Start: 1 @23397 has 11 MA's), (Start: 10 @23508 has 5 MA's), (Start: 14 @23517 has 3 MA's), (23, 23574), (24, 23589), (25, 23607), (26, 23619), (35, 23667), (40, 23685), (41, 23688), (60, 23808), (82, 23922), (85, 23943), (89, 23961), (102, 23994), (158, 24177), (161, 24207), (162, 24210), (188, 24384), (190, 24390), (195, 24414), (198, 24420), (215, 24495), (225, 24558), (235, 24600), (237, 24606), (256, 24729), (264, 24777), (266, 24786), (280, 24903), (281, 24906), (289, 24948), (299, 24990), (307, 25026), (321, 25080), (337, 25131), (341, 25137), (344, 25143), (353, 25185), (379, 25275), (390, 25332), (398, 25371), (401, 25380),

Gene: AnnaL29_35 Start: 25114, Stop: 26892, Start Num: 13
Candidate Starts for AnnaL29_35:
(Start: 13 @25114 has 44 MA's), (30, 25225), (32, 25234), (51, 25321), (56, 25357), (58, 25369), (59, 25381), (104, 25528), (105, 25537), (139, 25558), (141, 25570), (170, 25726), (173, 25744), (191,

25876), (208, 25969), (216, 26008), (224, 26065), (228, 26098), (239, 26155), (249, 26209), (259, 26278), (277, 26401), (283, 26440), (291, 26470), (316, 26575), (322, 26596), (323, 26599), (350, 26689), (373, 26770), (388, 26830),

Gene: Annyong_31 Start: 22961, Stop: 24817, Start Num: 8
Candidate Starts for Annyong_31:
(Start: 8 @22961 has 170 MA's), (30, 23087), (Start: 34 @23111 has 1 MA's), (55, 23216), (56, 23222), (61, 23270), (65, 23279), (72, 23321), (79, 23366), (101, 23372), (145, 23477), (148, 23489), (159, 23567), (173, 23636), (205, 23864), (210, 23888), (211, 23891), (217, 23918), (218, 23921), (231, 24026), (237, 24047), (238, 24056), (255, 24161), (262, 24200), (268, 24245), (295, 24413), (324, 24530), (326, 24536), (342, 24581), (354, 24632), (355, 24635), (374, 24698), (377, 24707), (397, 24794),

Gene: Anselm_31 Start: 22873, Stop: 25074, Start Num: 13
Candidate Starts for Anselm_31:
(Start: 13 @22873 has 44 MA's), (18, 22894), (32, 22993), (46, 23056), (51, 23083), (56, 23119), (73, 23221), (74, 23233), (84, 23299), (106, 23410), (123, 23542), (124, 23545), (170, 23899), (173, 23917), (178, 23941), (208, 24142), (216, 24181), (228, 24271), (239, 24328), (251, 24388), (257, 24433), (260, 24454), (273, 24559), (277, 24574), (289, 24643), (297, 24670), (306, 24715), (323, 24775), (329, 24799), (377, 24949), (388, 24997), (391, 25021),

Gene: Anubis_35 Start: 23163, Stop: 24920, Start Num: 7
Candidate Starts for Anubis_35:
(Start: 7 @23163 has 124 MA's), (30, 23298), (45, 23364), (52, 23409), (58, 23445), (79, 23577), (105, 23613), (141, 23634), (156, 23691), (168, 23751), (181, 23805), (185, 23865), (206, 23985), (207, 23988), (221, 24057), (223, 24081), (239, 24174), (244, 24195), (253, 24240), (308, 24570), (327, 24639), (347, 24702), (394, 24873),

Gene: ArcherNM_34 Start: 25064, Stop: 26842, Start Num: 13
Candidate Starts for ArcherNM_34:
(Start: 13 @25064 has 44 MA's), (18, 25085), (30, 25175), (32, 25184), (51, 25271), (56, 25307), (58, 25319), (59, 25331), (105, 25487), (139, 25508), (141, 25520), (153, 25586), (170, 25676), (173, 25694), (178, 25718), (199, 25862), (208, 25919), (216, 25958), (224, 26015), (228, 26048), (239, 26105), (249, 26159), (259, 26228), (277, 26351), (280, 26375), (283, 26390), (316, 26525), (322, 26546), (350, 26639), (373, 26720), (388, 26780), (398, 26825),

Gene: Arturo_30 Start: 23069, Stop: 24925, Start Num: 8
Candidate Starts for Arturo_30:
(Start: 8 @23069 has 170 MA's), (30, 23195), (Start: 34 @23219 has 1 MA's), (55, 23324), (56, 23330), (61, 23378), (65, 23387), (72, 23429), (79, 23474), (101, 23480), (145, 23585), (148, 23597), (157, 23660), (159, 23675), (173, 23744), (205, 23972), (210, 23996), (211, 23999), (217, 24026), (218, 24029), (231, 24134), (237, 24155), (238, 24164), (255, 24269), (262, 24308), (268, 24353), (280, 24452), (324, 24638), (326, 24644), (342, 24689), (354, 24740), (355, 24743), (374, 24806), (377, 24815), (397, 24902),

Gene: AugsMagnumOpus_35 Start: 23269, Stop: 25026, Start Num: 7
Candidate Starts for AugsMagnumOpus_35:
(Start: 7 @23269 has 124 MA's), (30, 23404), (45, 23470), (52, 23515), (58, 23551), (79, 23683), (105, 23719), (141, 23740), (156, 23797), (168, 23857), (181, 23911), (185, 23971), (206, 24091), (207, 24094), (221, 24163), (223, 24187), (239, 24280), (244, 24301), (253, 24346), (308, 24676), (327, 24745), (347, 24808), (394, 24979),

Gene: AvatarAhPeg_32 Start: 23239, Stop: 25098, Start Num: 8

Candidate Starts for AvatarAhPeg_32:
(Start: 8 @23239 has 170 MA's), (21, 23305), (Start: 34 @23389 has 1 MA's), (38, 23407), (49, 23452), (56, 23500), (65, 23557), (72, 23599), (101, 23650), (104, 23671), (114, 23704), (145, 23755), (148, 23767), (155, 23821), (159, 23845), (173, 23914), (205, 24142), (211, 24169), (217, 24196), (218, 24199), (231, 24307), (237, 24328), (238, 24337), (251, 24406), (255, 24442), (262, 24481), (270, 24550), (293, 24688), (324, 24811), (326, 24817), (374, 24979), (377, 24988),

Gene: Avle17_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Avle17_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237, 24046), (238, 24055), (255, 24160), (262, 24199), (268, 24244), (293, 24406), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Ayanochan_33 Start: 24410, Stop: 26176, Start Num: 9
Candidate Starts for Ayanochan_33:
(Start: 9 @24410 has 32 MA's), (45, 24596), (59, 24686), (70, 24731), (71, 24740), (105, 24818), (140, 24842), (148, 24878), (170, 25007), (173, 25025), (208, 25250), (212, 25271), (216, 25289), (228, 25379), (239, 25436), (259, 25559), (277, 25682), (283, 25721), (295, 25778), (316, 25859), (322, 25880), (323, 25883), (346, 25958), (350, 25973), (381, 26084), (398, 26159),

Gene: B1_29 Start: 22527, Stop: 24386, Start Num: 7
Candidate Starts for B1_29:
(Start: 7 @22527 has 124 MA's), (29, 22653), (32, 22671), (Start: 34 @22686 has 1 MA's), (45, 22728), (55, 22791), (100, 22944), (101, 22947), (104, 22968), (112, 22995), (146, 23070), (154, 23121), (170, 23208), (178, 23250), (216, 23490), (224, 23547), (228, 23580), (247, 23673), (251, 23697), (266, 23802), (273, 23868), (277, 23883), (315, 24054), (347, 24159), (361, 24213), (375, 24252), (388, 24306), (392, 24333), (397, 24357),

Gene: Baby16_31 Start: 22969, Stop: 24825, Start Num: 8
Candidate Starts for Baby16_31:
(Start: 8 @22969 has 170 MA's), (30, 23095), (Start: 34 @23119 has 1 MA's), (55, 23224), (56, 23230), (61, 23278), (65, 23287), (72, 23329), (79, 23374), (101, 23380), (145, 23485), (148, 23497), (159, 23575), (173, 23644), (205, 23872), (210, 23896), (211, 23899), (217, 23926), (218, 23929), (231, 24034), (238, 24064), (240, 24079), (255, 24169), (262, 24208), (268, 24253), (295, 24421), (324, 24538), (326, 24544), (342, 24589), (354, 24640), (355, 24643), (374, 24706), (377, 24715), (397, 24802),

Gene: BabyBack_33 Start: 24351, Stop: 26132, Start Num: 13
Candidate Starts for BabyBack_33:
(Start: 13 @24351 has 44 MA's), (18, 24372), (30, 24462), (32, 24471), (33, 24477), (58, 24609), (59, 24621), (72, 24696), (141, 24810), (170, 24966), (173, 24984), (178, 25008), (193, 25122), (208, 25209), (216, 25248), (228, 25338), (233, 25359), (249, 25449), (257, 25500), (260, 25521), (280, 25665), (283, 25680), (316, 25815), (322, 25836), (328, 25857), (342, 25896), (346, 25914), (350, 25929), (359, 25968), (373, 26010), (381, 26040), (384, 26052), (397, 26109),

Gene: BabyJohn_30 Start: 23109, Stop: 24968, Start Num: 7
Candidate Starts for BabyJohn_30:
(Start: 7 @23109 has 124 MA's), (32, 23253), (45, 23310), (101, 23529), (103, 23547), (104, 23550), (112, 23577), (144, 23646), (146, 23652), (170, 23790), (173, 23808), (178, 23832), (216, 24072), (228, 24162), (259, 24342), (266, 24384), (273, 24450), (277, 24465), (315, 24636), (323, 24666),

(361, 24795), (388, 24888), (392, 24915), (397, 24939), (398, 24945),

Gene: BabyRay_31 Start: 23087, Stop: 24946, Start Num: 7
Candidate Starts for BabyRay_31:
(Start: 7 @23087 has 124 MA's), (32, 23231), (Start: 34 @23246 has 1 MA's), (45, 23288), (55, 23351), (76, 23483), (101, 23507), (104, 23528), (112, 23555), (146, 23630), (170, 23768), (173, 23786), (174, 23789), (178, 23810), (216, 24050), (228, 24140), (247, 24233), (251, 24257), (266, 24362), (273, 24428), (277, 24443), (283, 24482), (315, 24614), (347, 24719), (361, 24773), (375, 24812), (388, 24866), (392, 24893), (397, 24917),

Gene: Bachome_31 Start: 23388, Stop: 25376, Start Num: 1
Candidate Starts for Bachome_31:
(Start: 1 @23388 has 11 MA's), (Start: 10 @23499 has 5 MA's), (Start: 14 @23508 has 3 MA's), (23, 23565), (24, 23580), (25, 23598), (26, 23610), (35, 23658), (40, 23676), (41, 23679), (60, 23799), (82, 23913), (85, 23934), (89, 23952), (102, 23985), (158, 24168), (161, 24198), (162, 24201), (188, 24375), (190, 24381), (195, 24405), (198, 24411), (215, 24486), (225, 24549), (235, 24591), (237, 24597), (256, 24720), (264, 24768), (266, 24777), (280, 24894), (281, 24897), (289, 24939), (299, 24981), (307, 25017), (321, 25071), (379, 25263), (390, 25320), (398, 25359), (401, 25368),

Gene: Backyardigan_31 Start: 22981, Stop: 24840, Start Num: 8
Candidate Starts for Backyardigan_31:
(3, 22921), (Start: 8 @22981 has 170 MA's), (21, 23047), (27, 23092), (29, 23098), (Start: 34 @23131 has 1 MA's), (38, 23149), (49, 23194), (50, 23200), (51, 23206), (65, 23299), (67, 23314), (79, 23386), (114, 23446), (145, 23497), (148, 23509), (159, 23587), (173, 23656), (186, 23779), (192, 23803), (205, 23884), (214, 23929), (217, 23938), (218, 23941), (237, 24070), (238, 24079), (246, 24121), (251, 24148), (255, 24184), (259, 24211), (262, 24223), (282, 24379), (324, 24553), (326, 24559), (342, 24604), (354, 24655), (355, 24658), (366, 24694), (377, 24730),

Gene: Bactobuster_33 Start: 24863, Stop: 26638, Start Num: 8
Candidate Starts for Bactobuster_33:
(5, 24824), (Start: 8 @24863 has 170 MA's), (30, 24974), (32, 24983), (46, 25040), (51, 25067), (65, 25160), (104, 25274), (139, 25304), (162, 25439), (170, 25472), (173, 25490), (178, 25514), (193, 25628), (201, 25676), (208, 25715), (216, 25754), (219, 25766), (224, 25811), (257, 26006), (260, 26027), (272, 26120), (283, 26186), (300, 26258), (316, 26321), (346, 26420), (350, 26435), (373, 26516), (388, 26576), (398, 26621),

Gene: Badger_31 Start: 22970, Stop: 24829, Start Num: 8
Candidate Starts for Badger_31:
(3, 22910), (Start: 8 @22970 has 170 MA's), (21, 23036), (27, 23081), (29, 23087), (Start: 34 @23120 has 1 MA's), (38, 23138), (49, 23183), (50, 23189), (51, 23195), (65, 23288), (67, 23303), (79, 23375), (114, 23435), (145, 23486), (148, 23498), (159, 23576), (173, 23645), (186, 23768), (192, 23792), (205, 23873), (214, 23918), (217, 23927), (218, 23930), (237, 24059), (238, 24068), (246, 24110), (251, 24137), (255, 24173), (259, 24200), (262, 24212), (282, 24368), (324, 24542), (326, 24548), (342, 24593), (354, 24644), (355, 24647), (366, 24683), (377, 24719),

Gene: Baehexic_32 Start: 23237, Stop: 25444, Start Num: 12
Candidate Starts for Baehexic_32:
(Start: 12 @23237 has 34 MA's), (30, 23351), (32, 23360), (33, 23366), (37, 23387), (46, 23423), (58, 23498), (73, 23588), (74, 23600), (106, 23777), (113, 23816), (124, 23912), (146, 24125), (153, 24173), (170, 24263), (176, 24293), (178, 24305), (216, 24545), (228, 24644), (233, 24665), (249, 24755), (251, 24761), (253, 24767), (257, 24806), (260, 24827), (265, 24863), (266, 24866), (273, 24932), (323, 25148), (338, 25196), (357, 25259), (377, 25319), (388, 25367), (398, 25421),

Gene: BangNhom_31 Start: 23274, Stop: 25130, Start Num: 8
Candidate Starts for BangNhom_31:
(Start: 8 @23274 has 170 MA's), (30, 23400), (Start: 34 @23424 has 1 MA's), (55, 23529), (56, 23535), (61, 23583), (72, 23634), (101, 23685), (145, 23790), (148, 23802), (159, 23880), (173, 23949), (194, 24117), (200, 24147), (205, 24177), (210, 24201), (211, 24204), (217, 24231), (218, 24234), (231, 24339), (237, 24360), (238, 24369), (262, 24513), (268, 24558), (293, 24720), (324, 24843), (342, 24894), (374, 25011), (377, 25020), (397, 25107),

Gene: Bartimeaus_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Bartimeaus_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Beauxregard13_33 Start: 23277, Stop: 25034, Start Num: 7
Candidate Starts for Beauxregard13_33:
(Start: 7 @23277 has 124 MA's), (30, 23412), (45, 23478), (52, 23523), (58, 23559), (79, 23691), (105, 23727), (141, 23748), (156, 23805), (168, 23865), (181, 23919), (185, 23979), (206, 24099), (207, 24102), (221, 24171), (223, 24195), (239, 24288), (244, 24309), (253, 24354), (308, 24684), (327, 24753), (347, 24816), (394, 24987),

Gene: Beemo_33 Start: 24411, Stop: 26177, Start Num: 9
Candidate Starts for Beemo_33:
(Start: 9 @24411 has 32 MA's), (Start: 14 @24423 has 3 MA's), (45, 24597), (59, 24687), (70, 24732), (71, 24741), (105, 24819), (140, 24843), (148, 24879), (170, 25008), (173, 25026), (208, 25251), (212, 25272), (216, 25290), (228, 25380), (239, 25437), (259, 25560), (277, 25683), (283, 25722), (295, 25779), (316, 25860), (322, 25881), (323, 25884), (346, 25959), (350, 25974), (381, 26085), (398, 26160),

Gene: BellusTerra_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for BellusTerra_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (266, 24223), (268, 24241), (280, 24340), (324, 24526), (342, 24577), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: BengiVuitton_32 Start: 23191, Stop: 25377, Start Num: 13
Candidate Starts for BengiVuitton_32:
(Start: 13 @23191 has 44 MA's), (18, 23212), (30, 23302), (37, 23332), (51, 23395), (56, 23431), (63, 23485), (81, 23581), (84, 23611), (107, 23743), (120, 23833), (121, 23848), (134, 23968), (136, 24001), (137, 24010), (170, 24205), (173, 24223), (208, 24451), (216, 24490), (224, 24547), (228, 24580), (233, 24601), (239, 24637), (251, 24697), (257, 24742), (260, 24763), (262, 24772), (277, 24883), (280, 24907), (283, 24922), (285, 24928), (316, 25060), (331, 25114), (347, 25162), (350, 25174), (359, 25213), (395, 25354), (397, 25363),

Gene: Benvolio_31 Start: 22854, Stop: 25181, Start Num: 12
Candidate Starts for Benvolio_31:
(Start: 12 @22854 has 34 MA's), (18, 22878), (32, 22977), (33, 22983), (38, 23010), (51, 23067), (56, 23103), (63, 23157), (69, 23184), (73, 23205), (76, 23229), (84, 23283), (106, 23394), (124, 23529),

(126, 23562), (142, 23748), (170, 24000), (173, 24018), (178, 24042), (208, 24243), (216, 24282), (228, 24372), (239, 24429), (251, 24489), (257, 24534), (260, 24555), (277, 24675), (280, 24699), (289, 24744), (297, 24777), (340, 24933), (373, 25044), (388, 25104), (398, 25158), (401, 25167),

Gene: BiancaTri92_33 Start: 24557, Stop: 26335, Start Num: 8
Candidate Starts for BiancaTri92_33:
(Start: 8 @24557 has 170 MA's), (30, 24668), (32, 24677), (46, 24737), (51, 24764), (56, 24800), (105, 24980), (139, 25001), (141, 25013), (165, 25148), (170, 25169), (173, 25187), (178, 25211), (191, 25319), (204, 25385), (216, 25451), (224, 25508), (228, 25541), (239, 25598), (273, 25829), (280, 25868), (283, 25883), (316, 26018), (323, 26042), (324, 26048), (346, 26117), (350, 26132), (359, 26171), (373, 26213), (398, 26318),

Gene: Bigflo_33 Start: 23276, Stop: 25033, Start Num: 7
Candidate Starts for Bigflo_33:
(Start: 7 @23276 has 124 MA's), (30, 23411), (45, 23477), (52, 23522), (58, 23558), (79, 23690), (105, 23726), (141, 23747), (156, 23804), (168, 23864), (181, 23918), (185, 23978), (206, 24098), (207, 24101), (221, 24170), (223, 24194), (239, 24287), (244, 24308), (253, 24353), (308, 24683), (327, 24752), (347, 24815), (394, 24986),

Gene: Blackmoor_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Blackmoor_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: BlueBird_32 Start: 22838, Stop: 24697, Start Num: 7
Candidate Starts for BlueBird_32:
(Start: 7 @22838 has 124 MA's), (32, 22982), (Start: 34 @22997 has 1 MA's), (45, 23039), (63, 23162), (73, 23210), (91, 23252), (101, 23258), (104, 23279), (170, 23519), (176, 23549), (184, 23597), (201, 23723), (208, 23762), (216, 23801), (224, 23858), (228, 23891), (257, 24053), (258, 24056), (266, 24113), (273, 24179), (277, 24194), (323, 24395), (359, 24521), (361, 24524), (386, 24605), (388, 24617), (392, 24644), (398, 24674),

Gene: BobSwaget_34 Start: 24339, Stop: 26123, Start Num: 12
Candidate Starts for BobSwaget_34:
(Start: 12 @24339 has 34 MA's), (18, 24363), (30, 24453), (32, 24462), (45, 24519), (153, 24867), (154, 24870), (170, 24957), (173, 24975), (178, 24999), (191, 25107), (208, 25200), (216, 25239), (228, 25329), (240, 25389), (249, 25440), (257, 25491), (260, 25512), (280, 25656), (283, 25671), (287, 25689), (322, 25827), (328, 25848), (350, 25920), (354, 25938), (359, 25959), (367, 25980), (373, 26001), (388, 26061), (398, 26106),

Gene: BogosyJay_32 Start: 23933, Stop: 25699, Start Num: 9
Candidate Starts for BogosyJay_32:
(Start: 9 @23933 has 32 MA's), (39, 24098), (45, 24119), (56, 24185), (58, 24197), (59, 24209), (70, 24254), (71, 24263), (73, 24272), (104, 24332), (105, 24341), (140, 24365), (148, 24401), (161, 24494), (170, 24530), (173, 24548), (208, 24773), (212, 24794), (216, 24812), (228, 24902), (239, 24959), (247, 24995), (259, 25082), (277, 25205), (280, 25229), (283, 25244), (295, 25301), (322, 25403), (323, 25406), (350, 25496), (381, 25607), (398, 25682),

Gene: Bombshell_31 Start: 22960, Stop: 24816, Start Num: 8

Candidate Starts for Bombshell_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Bowtie_31 Start: 23397, Stop: 25388, Start Num: 1
Candidate Starts for Bowtie_31:
(Start: 1 @23397 has 11 MA's), (Start: 10 @23508 has 5 MA's), (Start: 14 @23517 has 3 MA's), (23, 23574), (24, 23589), (25, 23607), (26, 23619), (35, 23667), (40, 23685), (41, 23688), (60, 23808), (82, 23922), (85, 23943), (89, 23961), (102, 23994), (158, 24177), (161, 24207), (162, 24210), (188, 24384), (190, 24390), (195, 24414), (198, 24420), (215, 24495), (225, 24558), (235, 24600), (237, 24606), (256, 24729), (264, 24777), (266, 24786), (280, 24903), (281, 24906), (289, 24948), (299, 24990), (307, 25026), (321, 25080), (337, 25131), (341, 25137), (344, 25143), (353, 25185), (379, 25275), (390, 25332), (398, 25371), (401, 25380),

Gene: Bradman_30 Start: 21646, Stop: 23397, Start Num: 13
Candidate Starts for Bradman_30:
(Start: 13 @21646 has 44 MA's), (18, 21667), (32, 21766), (Start: 34 @21781 has 1 MA's), (51, 21856), (59, 21916), (78, 22027), (83, 22060), (86, 22084), (88, 22090), (111, 22162), (147, 22237), (151, 22270), (158, 22300), (206, 22588), (227, 22708), (241, 22777), (276, 23008), (290, 23083), (293, 23095), (295, 23104), (305, 23143), (370, 23338), (379, 23365), (380, 23368), (382, 23380),

Gene: BreSam8_33 Start: 23270, Stop: 25027, Start Num: 7
Candidate Starts for BreSam8_33:
(Start: 7 @23270 has 124 MA's), (30, 23405), (45, 23471), (52, 23516), (58, 23552), (79, 23684), (105, 23720), (141, 23741), (156, 23798), (168, 23858), (181, 23912), (185, 23972), (206, 24092), (207, 24095), (221, 24164), (223, 24188), (239, 24281), (244, 24302), (253, 24347), (308, 24677), (327, 24746), (347, 24809), (394, 24980),

Gene: Broseidon_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Broseidon_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (258, 24172), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Bruiser_30 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Bruiser_30:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237, 24046), (238, 24055), (255, 24160), (262, 24199), (268, 24244), (293, 24406), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: BubbleTrouble_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for BubbleTrouble_31:

(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237, 24046), (238, 24055), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Buckaroo_30 Start: 22964, Stop: 24820, Start Num: 8
Candidate Starts for Buckaroo_30:
(Start: 8 @22964 has 170 MA's), (30, 23090), (Start: 34 @23114 has 1 MA's), (55, 23219), (56, 23225), (61, 23273), (65, 23282), (72, 23324), (79, 23369), (101, 23375), (145, 23480), (148, 23492), (159, 23570), (173, 23639), (205, 23867), (210, 23891), (211, 23894), (217, 23921), (218, 23924), (231, 24029), (238, 24059), (240, 24074), (255, 24164), (262, 24203), (268, 24248), (295, 24416), (324, 24533), (326, 24539), (342, 24584), (354, 24635), (355, 24638), (374, 24701), (377, 24710), (397, 24797),

Gene: Bugatti_32 Start: 22838, Stop: 24697, Start Num: 7
Candidate Starts for Bugatti_32:
(Start: 7 @22838 has 124 MA's), (32, 22982), (Start: 34 @22997 has 1 MA's), (45, 23039), (63, 23162), (73, 23210), (91, 23252), (101, 23258), (104, 23279), (170, 23519), (176, 23549), (184, 23597), (201, 23723), (208, 23762), (216, 23801), (224, 23858), (228, 23891), (257, 24053), (258, 24056), (266, 24113), (273, 24179), (277, 24194), (323, 24395), (359, 24521), (361, 24524), (386, 24605), (388, 24617), (392, 24644), (398, 24674),

Gene: Bugsy_33 Start: 23267, Stop: 25489, Start Num: 12
Candidate Starts for Bugsy_33:
(Start: 12 @23267 has 34 MA's), (30, 23381), (32, 23390), (33, 23396), (51, 23480), (73, 23618), (76, 23642), (84, 23696), (113, 23846), (124, 23942), (127, 23978), (129, 23987), (170, 24293), (178, 24335), (216, 24575), (228, 24674), (233, 24695), (244, 24752), (251, 24791), (253, 24797), (265, 24893), (266, 24896), (273, 24962), (289, 25046), (306, 25118), (338, 25238), (371, 25349), (386, 25400), (388, 25412),

Gene: Bumblebee11_31 Start: 22972, Stop: 24831, Start Num: 8
Candidate Starts for Bumblebee11_31:
(3, 22912), (Start: 8 @22972 has 170 MA's), (21, 23038), (27, 23083), (29, 23089), (Start: 34 @23122 has 1 MA's), (38, 23140), (49, 23185), (50, 23191), (51, 23197), (65, 23290), (67, 23305), (79, 23377), (114, 23437), (145, 23488), (148, 23500), (159, 23578), (173, 23647), (186, 23770), (192, 23794), (205, 23875), (214, 23920), (217, 23929), (218, 23932), (237, 24061), (238, 24070), (246, 24112), (251, 24139), (255, 24175), (259, 24202), (262, 24214), (282, 24370), (324, 24544), (326, 24550), (342, 24595), (354, 24646), (355, 24649), (366, 24685), (377, 24721),

Gene: Burger_30 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Burger_30:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: BuzzBuzz_32 Start: 23364, Stop: 25115, Start Num: 7
Candidate Starts for BuzzBuzz_32:

(Start: 7 @23364 has 124 MA's), (30, 23499), (45, 23565), (52, 23610), (58, 23646), (75, 23757), (79, 23778), (105, 23814), (141, 23835), (168, 23952), (189, 24090), (206, 24186), (207, 24189), (221, 24258), (223, 24282), (230, 24327), (239, 24375), (253, 24441), (274, 24612), (276, 24618), (285, 24669), (296, 24714), (303, 24744), (316, 24792), (327, 24834), (332, 24849), (334, 24852), (343, 24876), (374, 24978), (375, 24981), (381, 25005),

Gene: Bxz2_32 Start: 23371, Stop: 25122, Start Num: 7
Candidate Starts for Bxz2_32:
(Start: 7 @23371 has 124 MA's), (30, 23506), (45, 23572), (52, 23617), (58, 23653), (75, 23764), (79, 23785), (105, 23821), (141, 23842), (168, 23959), (189, 24097), (206, 24193), (207, 24196), (221, 24265), (223, 24289), (230, 24334), (239, 24382), (253, 24448), (274, 24619), (276, 24625), (285, 24676), (296, 24721), (303, 24751), (316, 24799), (327, 24841), (332, 24856), (334, 24859), (343, 24883), (374, 24985), (375, 24988), (381, 25012),

Gene: CRB1_31 Start: 22754, Stop: 24937, Start Num: 13
Candidate Starts for CRB1_31:
(Start: 13 @22754 has 44 MA's), (18, 22775), (30, 22865), (32, 22874), (37, 22895), (46, 22931), (51, 22958), (56, 22994), (73, 23096), (84, 23174), (106, 23285), (113, 23324), (124, 23420), (126, 23453), (170, 23774), (173, 23792), (174, 23795), (178, 23816), (208, 24017), (216, 24056), (220, 24077), (224, 24113), (228, 24146), (233, 24167), (239, 24203), (253, 24269), (257, 24308), (260, 24329), (273, 24434), (277, 24449), (295, 24542), (316, 24623), (327, 24665), (349, 24734), (359, 24773), (365, 24782), (395, 24914), (396, 24920),

Gene: Caelakin_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Caelakin_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237, 24046), (238, 24055), (255, 24160), (262, 24199), (268, 24244), (293, 24406), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Calvinny_33 Start: 23361, Stop: 25169, Start Num: 7
Candidate Starts for Calvinny_33:
(Start: 7 @23361 has 124 MA's), (30, 23496), (45, 23562), (52, 23607), (58, 23643), (73, 23733), (76, 23757), (104, 23802), (139, 23832), (170, 24000), (173, 24018), (178, 24042), (201, 24204), (208, 24243), (216, 24282), (228, 24372), (257, 24534), (260, 24555), (271, 24642), (280, 24699), (283, 24714), (298, 24777), (316, 24852), (322, 24873), (350, 24966), (359, 25005), (373, 25047), (397, 25146),

Gene: Camperdownii_30 Start: 22579, Stop: 24435, Start Num: 8
Candidate Starts for Camperdownii_30:
(Start: 8 @22579 has 170 MA's), (30, 22705), (Start: 34 @22729 has 1 MA's), (55, 22834), (56, 22840), (61, 22888), (72, 22939), (101, 22990), (145, 23095), (148, 23107), (159, 23185), (173, 23254), (194, 23422), (200, 23452), (205, 23482), (211, 23509), (217, 23536), (218, 23539), (231, 23644), (237, 23665), (238, 23674), (255, 23779), (262, 23818), (266, 23845), (268, 23863), (269, 23866), (282, 23974), (295, 24031), (324, 24148), (326, 24154), (374, 24316), (377, 24325),

Gene: Caraxes_30 Start: 21397, Stop: 22950, Start Num: 13
Candidate Starts for Caraxes_30:
(Start: 10 @21391 has 5 MA's), (Start: 13 @21397 has 44 MA's), (32, 21517), (38, 21550), (39, 21553), (46, 21580), (59, 21667), (83, 21754), (116, 21856), (227, 22384), (229, 22390), (237, 22420), (241, 22453), (244, 22465), (259, 22558), (264, 22588), (276, 22684), (290, 22756), (310, 22822), (314,

22834), (330, 22879),

Gene: Cat_29 Start: 22703, Stop: 24562, Start Num: 7
Candidate Starts for Cat_29:
(Start: 7 @22703 has 124 MA's), (29, 22829), (30, 22838), (45, 22904), (49, 22925), (55, 22967), (76, 23099), (101, 23123), (104, 23144), (112, 23171), (146, 23246), (170, 23384), (173, 23402), (174, 23405), (178, 23426), (197, 23564), (216, 23666), (228, 23756), (247, 23849), (251, 23873), (266, 23978), (273, 24044), (277, 24059), (315, 24230), (347, 24335), (361, 24389), (375, 24428), (388, 24482), (392, 24509), (397, 24533),

Gene: Catalina_34 Start: 24377, Stop: 26143, Start Num: 9
Candidate Starts for Catalina_34:
(Start: 9 @24377 has 32 MA's), (Start: 14 @24389 has 3 MA's), (45, 24563), (59, 24653), (70, 24698), (71, 24707), (105, 24785), (140, 24809), (148, 24845), (170, 24974), (173, 24992), (208, 25217), (212, 25238), (216, 25256), (228, 25346), (239, 25403), (259, 25526), (277, 25649), (283, 25688), (295, 25745), (316, 25826), (322, 25847), (323, 25850), (350, 25940), (381, 26051), (398, 26126),

Gene: Caviar_32 Start: 23373, Stop: 25232, Start Num: 7
Candidate Starts for Caviar_32:
(Start: 7 @23373 has 124 MA's), (32, 23517), (35, 23535), (45, 23574), (49, 23595), (55, 23637), (58, 23655), (104, 23814), (112, 23841), (150, 23946), (154, 23967), (170, 24054), (178, 24096), (216, 24336), (228, 24426), (239, 24483), (266, 24648), (272, 24702), (273, 24714), (277, 24729), (304, 24858), (306, 24870), (323, 24930), (326, 24942), (344, 24987), (347, 25005), (388, 25152), (392, 25179), (398, 25209),

Gene: Centaur_33 Start: 23215, Stop: 25422, Start Num: 12
Candidate Starts for Centaur_33:
(Start: 12 @23215 has 34 MA's), (30, 23329), (32, 23338), (33, 23344), (37, 23365), (46, 23401), (58, 23476), (73, 23566), (74, 23578), (106, 23755), (113, 23794), (124, 23890), (146, 24103), (153, 24151), (170, 24241), (176, 24271), (178, 24283), (216, 24523), (228, 24622), (233, 24643), (249, 24733), (251, 24739), (253, 24745), (257, 24784), (260, 24805), (265, 24841), (266, 24844), (273, 24910), (323, 25126), (338, 25174), (357, 25237), (377, 25297), (388, 25345), (398, 25399),

Gene: CentreCat_31 Start: 22961, Stop: 24817, Start Num: 8
Candidate Starts for CentreCat_31:
(Start: 8 @22961 has 170 MA's), (30, 23087), (Start: 34 @23111 has 1 MA's), (55, 23216), (56, 23222), (61, 23270), (65, 23279), (72, 23321), (79, 23366), (101, 23372), (145, 23477), (148, 23489), (159, 23567), (173, 23636), (205, 23864), (210, 23888), (211, 23891), (217, 23918), (218, 23921), (231, 24026), (238, 24056), (240, 24071), (255, 24161), (262, 24200), (268, 24245), (295, 24413), (324, 24530), (326, 24536), (342, 24581), (354, 24632), (355, 24635), (374, 24698), (377, 24707), (397, 24794),

Gene: Cerulean_32 Start: 23275, Stop: 25131, Start Num: 8
Candidate Starts for Cerulean_32:
(Start: 8 @23275 has 170 MA's), (30, 23401), (Start: 34 @23425 has 1 MA's), (55, 23530), (56, 23536), (61, 23584), (72, 23635), (101, 23686), (145, 23791), (148, 23803), (159, 23881), (173, 23950), (194, 24118), (200, 24148), (205, 24178), (210, 24202), (211, 24205), (217, 24232), (218, 24235), (231, 24340), (237, 24361), (238, 24370), (262, 24514), (268, 24559), (293, 24721), (324, 24844), (342, 24895), (374, 25012), (377, 25021), (397, 25108),

Gene: ChampagnePapi_32 Start: 23274, Stop: 25130, Start Num: 8
Candidate Starts for ChampagnePapi_32:

(Start: 8 @23274 has 170 MA's), (30, 23400), (Start: 34 @23424 has 1 MA's), (55, 23529), (56, 23535), (61, 23583), (72, 23634), (101, 23685), (145, 23790), (148, 23802), (159, 23880), (173, 23949), (205, 24177), (210, 24201), (211, 24204), (217, 24231), (218, 24234), (231, 24339), (238, 24369), (240, 24384), (255, 24474), (262, 24513), (268, 24558), (295, 24726), (324, 24843), (342, 24894), (374, 25011), (377, 25020), (397, 25107),

Gene: Changeling_34 Start: 25115, Stop: 26890, Start Num: 13
Candidate Starts for Changeling_34:
(2, 25016), (Start: 13 @25115 has 44 MA's), (30, 25226), (32, 25235), (51, 25319), (56, 25355), (58, 25367), (59, 25379), (76, 25481), (101, 25505), (139, 25556), (141, 25568), (165, 25703), (170, 25724), (173, 25742), (178, 25766), (208, 25967), (216, 26006), (224, 26063), (228, 26096), (239, 26153), (249, 26207), (259, 26276), (273, 26384), (277, 26399), (283, 26438), (322, 26594), (350, 26687), (373, 26768), (388, 26828), (398, 26873),

Gene: Chaph_31 Start: 22969, Stop: 24825, Start Num: 8
Candidate Starts for Chaph_31:
(Start: 8 @22969 has 170 MA's), (30, 23095), (Start: 34 @23119 has 1 MA's), (55, 23224), (56, 23230), (61, 23278), (65, 23287), (72, 23329), (79, 23374), (101, 23380), (145, 23485), (148, 23497), (159, 23575), (173, 23644), (205, 23872), (210, 23896), (211, 23899), (217, 23926), (218, 23929), (231, 24034), (238, 24064), (240, 24079), (255, 24169), (262, 24208), (268, 24253), (295, 24421), (324, 24538), (326, 24544), (342, 24589), (354, 24640), (355, 24643), (374, 24706), (377, 24715), (397, 24802),

Gene: Che12_33 Start: 21672, Stop: 23324, Start Num: 13
Candidate Starts for Che12_33:
(Start: 13 @21672 has 44 MA's), (30, 21783), (37, 21819), (56, 21918), (59, 21942), (86, 22110), (88, 22116), (209, 22626), (227, 22737), (244, 22818), (259, 22911), (264, 22941), (276, 23037), (290, 23109), (313, 23196), (319, 23208),

Gene: Chiqui_30 Start: 23109, Stop: 24977, Start Num: 7
Candidate Starts for Chiqui_30:
(Start: 7 @23109 has 124 MA's), (32, 23253), (45, 23310), (101, 23538), (103, 23556), (104, 23559), (112, 23586), (144, 23655), (146, 23661), (170, 23799), (173, 23817), (178, 23841), (216, 24081), (228, 24171), (259, 24351), (266, 24393), (273, 24459), (277, 24474), (315, 24645), (323, 24675), (361, 24804), (388, 24897), (392, 24924), (397, 24948), (398, 24954),

Gene: Chupacabra_32 Start: 23269, Stop: 25104, Start Num: 8
Candidate Starts for Chupacabra_32:
(Start: 8 @23269 has 170 MA's), (16, 23302), (20, 23317), (73, 23629), (76, 23653), (79, 23671), (80, 23674), (81, 23677), (83, 23698), (87, 23725), (170, 23938), (173, 23956), (178, 23980), (196, 24115), (199, 24124), (216, 24220), (224, 24277), (228, 24310), (249, 24421), (259, 24490), (273, 24598), (277, 24613), (283, 24652), (285, 24658), (300, 24724), (316, 24787), (322, 24808), (323, 24811), (324, 24817), (328, 24829), (346, 24886), (350, 24901), (352, 24910), (373, 24982), (388, 25042), (398, 25087), (399, 25090),

Gene: Cici_31 Start: 22966, Stop: 24825, Start Num: 8
Candidate Starts for Cici_31:
(3, 22906), (Start: 8 @22966 has 170 MA's), (21, 23032), (27, 23077), (29, 23083), (Start: 34 @23116 has 1 MA's), (38, 23134), (49, 23179), (50, 23185), (51, 23191), (65, 23284), (67, 23299), (79, 23371), (114, 23431), (145, 23482), (148, 23494), (159, 23572), (173, 23641), (186, 23764), (192, 23788), (205, 23869), (214, 23914), (217, 23923), (218, 23926), (237, 24055), (238, 24064), (246, 24106), (251, 24133), (255, 24169), (259, 24196), (262, 24208), (282, 24364), (324, 24538), (326, 24544), (342, 24589), (354, 24640), (355, 24643), (366, 24679), (377, 24715),

Gene: Cindaradix_30 Start: 22690, Stop: 24546, Start Num: 8
Candidate Starts for Cindaradix_30:
(Start: 8 @22690 has 170 MA's), (Start: 34 @22840 has 1 MA's), (38, 22858), (42, 22870), (49, 22903), (51, 22915), (56, 22951), (65, 23008), (67, 23023), (114, 23155), (145, 23206), (148, 23218), (159, 23296), (162, 23317), (173, 23365), (205, 23593), (217, 23647), (218, 23650), (231, 23755), (237, 23776), (238, 23785), (255, 23890), (282, 24085), (295, 24142), (324, 24259), (326, 24265), (377, 24436),

Gene: Cintron_31 Start: 23005, Stop: 24864, Start Num: 8
Candidate Starts for Cintron_31:
(Start: 8 @23005 has 170 MA's), (30, 23131), (Start: 34 @23155 has 1 MA's), (55, 23260), (56, 23266), (61, 23314), (65, 23323), (72, 23365), (79, 23410), (101, 23416), (145, 23521), (148, 23533), (159, 23611), (173, 23680), (194, 23848), (205, 23908), (210, 23932), (211, 23935), (217, 23962), (218, 23965), (231, 24070), (238, 24100), (240, 24115), (255, 24205), (262, 24244), (266, 24271), (268, 24289), (326, 24580), (350, 24658), (353, 24670), (354, 24676), (366, 24715), (374, 24742), (376, 24748), (397, 24841),

Gene: Citius_31 Start: 22975, Stop: 24831, Start Num: 8
Candidate Starts for Citius_31:
(Start: 8 @22975 has 170 MA's), (30, 23101), (Start: 34 @23125 has 1 MA's), (55, 23230), (56, 23236), (61, 23284), (72, 23335), (79, 23380), (101, 23386), (145, 23491), (148, 23503), (159, 23581), (173, 23650), (205, 23878), (210, 23902), (211, 23905), (217, 23932), (218, 23935), (231, 24040), (238, 24070), (240, 24085), (255, 24175), (262, 24214), (268, 24259), (295, 24427), (324, 24544), (326, 24550), (342, 24595), (354, 24646), (355, 24649), (374, 24712), (377, 24721), (397, 24808),

Gene: Clammy_32 Start: 22838, Stop: 24697, Start Num: 7
Candidate Starts for Clammy_32:
(Start: 7 @22838 has 124 MA's), (32, 22982), (Start: 34 @22997 has 1 MA's), (45, 23039), (63, 23162), (73, 23210), (91, 23252), (101, 23258), (104, 23279), (170, 23519), (176, 23549), (184, 23597), (201, 23723), (208, 23762), (216, 23801), (224, 23858), (228, 23891), (257, 24053), (258, 24056), (266, 24113), (273, 24179), (277, 24194), (323, 24395), (359, 24521), (361, 24524), (386, 24605), (388, 24617), (392, 24644), (398, 24674),

Gene: Clarenza_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for Clarenza_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (145, 23473), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (268, 24241), (295, 24409), (324, 24526), (326, 24532), (342, 24577), (354, 24628), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: ClownCar_33 Start: 23353, Stop: 25161, Start Num: 7
Candidate Starts for ClownCar_33:
(Start: 7 @23353 has 124 MA's), (30, 23488), (45, 23554), (52, 23599), (58, 23635), (73, 23725), (76, 23749), (104, 23794), (139, 23824), (170, 23992), (173, 24010), (178, 24034), (201, 24196), (208, 24235), (216, 24274), (228, 24364), (257, 24526), (260, 24547), (271, 24634), (280, 24691), (283, 24706), (298, 24769), (316, 24844), (322, 24865), (350, 24958), (359, 24997), (373, 25039), (397, 25138),

Gene: Cocoaberry_31 Start: 22964, Stop: 24820, Start Num: 8
Candidate Starts for Cocoaberry_31:

(Start: 8 @22964 has 170 MA's), (30, 23090), (Start: 34 @23114 has 1 MA's), (55, 23219), (56, 23225), (61, 23273), (65, 23282), (72, 23324), (79, 23369), (101, 23375), (145, 23480), (148, 23492), (159, 23570), (173, 23639), (205, 23867), (210, 23891), (211, 23894), (217, 23921), (218, 23924), (231, 24029), (237, 24050), (238, 24059), (255, 24164), (262, 24203), (268, 24248), (293, 24410), (295, 24416), (324, 24533), (326, 24539), (342, 24584), (354, 24635), (355, 24638), (374, 24701), (377, 24710), (397, 24797),

Gene: Colbster_33 Start: 23277, Stop: 25034, Start Num: 7
Candidate Starts for Colbster_33:
(Start: 7 @23277 has 124 MA's), (30, 23412), (45, 23478), (52, 23523), (58, 23559), (79, 23691), (105, 23727), (141, 23748), (156, 23805), (168, 23865), (181, 23919), (185, 23979), (206, 24099), (207, 24102), (221, 24171), (223, 24195), (239, 24288), (244, 24309), (253, 24354), (308, 24684), (327, 24753), (347, 24816), (394, 24987),

Gene: Colin_34 Start: 24479, Stop: 26257, Start Num: 10
Candidate Starts for Colin_34:
(Start: 10 @24479 has 5 MA's), (30, 24593), (32, 24602), (58, 24734), (153, 25001), (170, 25091), (173, 25109), (178, 25133), (208, 25334), (216, 25373), (228, 25463), (239, 25520), (249, 25574), (259, 25643), (276, 25760), (283, 25805), (287, 25823), (316, 25940), (322, 25961), (328, 25982), (350, 26054), (373, 26135), (381, 26165), (388, 26195), (398, 26240),

Gene: Commander_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Commander_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Connomayer_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Connomayer_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Conquerage_33 Start: 24407, Stop: 26173, Start Num: 9
Candidate Starts for Conquerage_33:
(Start: 9 @24407 has 32 MA's), (45, 24593), (59, 24683), (70, 24728), (71, 24737), (105, 24815), (140, 24839), (148, 24875), (170, 25004), (173, 25022), (208, 25247), (212, 25268), (216, 25286), (228, 25376), (239, 25433), (259, 25556), (277, 25679), (283, 25718), (295, 25775), (316, 25856), (322, 25877), (323, 25880), (350, 25970), (381, 26081), (398, 26156),

Gene: Croquant_34 Start: 23275, Stop: 25032, Start Num: 7
Candidate Starts for Croquant_34:
(Start: 7 @23275 has 124 MA's), (30, 23410), (45, 23476), (52, 23521), (58, 23557), (79, 23689), (105, 23725), (141, 23746), (156, 23803), (168, 23863), (181, 23917), (185, 23977), (206, 24097), (207, 24100), (221, 24169), (223, 24193), (239, 24286), (244, 24307), (253, 24352), (308, 24682), (327, 24751), (347, 24814), (394, 24985),

Gene: Crucio_31 Start: 22638, Stop: 24842, Start Num: 13
Candidate Starts for Crucio_31:
(Start: 13 @22638 has 44 MA's), (18, 22659), (33, 22764), (51, 22848), (56, 22884), (73, 22986), (74, 22998), (106, 23175), (124, 23310), (130, 23373), (170, 23664), (173, 23682), (178, 23706), (197, 23844), (208, 23907), (216, 23946), (228, 24036), (239, 24093), (251, 24153), (257, 24198), (260, 24219), (277, 24339), (280, 24363), (289, 24408), (306, 24480), (323, 24540), (375, 24711), (388, 24765), (393, 24792), (398, 24819),

Gene: Cullens_33 Start: 23276, Stop: 25033, Start Num: 7
Candidate Starts for Cullens_33:
(Start: 7 @23276 has 124 MA's), (30, 23411), (45, 23477), (52, 23522), (58, 23558), (79, 23690), (105, 23726), (141, 23747), (156, 23804), (168, 23864), (181, 23918), (185, 23978), (206, 24098), (207, 24101), (221, 24170), (223, 24194), (239, 24287), (244, 24308), (253, 24353), (308, 24683), (327, 24752), (347, 24815), (394, 24986),

Gene: DaHudson_33 Start: 23269, Stop: 25026, Start Num: 7
Candidate Starts for DaHudson_33:
(Start: 7 @23269 has 124 MA's), (30, 23404), (45, 23470), (52, 23515), (58, 23551), (79, 23683), (105, 23719), (141, 23740), (156, 23797), (168, 23857), (181, 23911), (185, 23971), (206, 24091), (207, 24094), (221, 24163), (223, 24187), (239, 24280), (244, 24301), (253, 24346), (308, 24676), (327, 24745), (347, 24808), (394, 24979),

Gene: Daishi_32 Start: 22205, Stop: 23956, Start Num: 7
Candidate Starts for Daishi_32:
(Start: 7 @22205 has 124 MA's), (30, 22340), (45, 22406), (52, 22451), (58, 22487), (75, 22598), (79, 22619), (105, 22655), (141, 22676), (168, 22793), (189, 22931), (206, 23027), (207, 23030), (221, 23099), (223, 23123), (230, 23168), (239, 23216), (253, 23282), (274, 23453), (276, 23459), (285, 23510), (296, 23555), (303, 23585), (316, 23633), (327, 23675), (332, 23690), (334, 23693), (343, 23717), (374, 23819), (375, 23822), (381, 23846),

Gene: Dalmatian_31 Start: 22845, Stop: 25049, Start Num: 13
Candidate Starts for Dalmatian_31:
(Start: 13 @22845 has 44 MA's), (18, 22866), (51, 23055), (56, 23091), (73, 23193), (74, 23205), (98, 23316), (106, 23382), (124, 23517), (170, 23871), (178, 23913), (197, 24051), (208, 24114), (216, 24153), (228, 24243), (239, 24300), (251, 24360), (257, 24405), (260, 24426), (277, 24546), (280, 24570), (289, 24615), (306, 24687), (323, 24747), (375, 24918), (388, 24972), (393, 24999), (398, 25026),

Gene: Darrell_33 Start: 24371, Stop: 26137, Start Num: 9
Candidate Starts for Darrell_33:
(Start: 9 @24371 has 32 MA's), (45, 24557), (56, 24623), (59, 24647), (70, 24692), (71, 24701), (104, 24770), (105, 24779), (148, 24839), (154, 24881), (162, 24935), (170, 24968), (173, 24986), (178, 25010), (179, 25016), (204, 25184), (208, 25211), (216, 25250), (228, 25340), (239, 25397), (259, 25520), (265, 25559), (277, 25643), (283, 25682), (316, 25820), (322, 25841), (323, 25844), (326, 25856), (342, 25901), (373, 26015), (381, 26045), (398, 26120),

Gene: Datway_31 Start: 22981, Stop: 24840, Start Num: 8
Candidate Starts for Datway_31:
(3, 22921), (Start: 8 @22981 has 170 MA's), (21, 23047), (27, 23092), (29, 23098), (Start: 34 @23131 has 1 MA's), (38, 23149), (49, 23194), (50, 23200), (51, 23206), (65, 23299), (67, 23314), (79, 23386), (114, 23446), (145, 23497), (148, 23509), (159, 23587), (173, 23656), (186, 23779), (192, 23803), (205, 23884), (214, 23929), (217, 23938), (218, 23941), (237, 24070), (238, 24079), (246, 24121), (251, 24148), (255, 24184), (259, 24211), (262, 24223), (282, 24379), (324, 24553), (326, 24559),

(342, 24604), (354, 24655), (355, 24658), (366, 24694), (377, 24730),

Gene: Deano_31 Start: 22968, Stop: 24824, Start Num: 8
Candidate Starts for Deano_31:
(Start: 8 @22968 has 170 MA's), (30, 23094), (Start: 34 @23118 has 1 MA's), (55, 23223), (56, 23229), (61, 23277), (65, 23286), (72, 23328), (79, 23373), (101, 23379), (145, 23484), (148, 23496), (159, 23574), (173, 23643), (205, 23871), (210, 23895), (211, 23898), (217, 23925), (218, 23928), (231, 24033), (238, 24063), (240, 24078), (255, 24168), (262, 24207), (268, 24252), (295, 24420), (324, 24537), (326, 24543), (342, 24588), (354, 24639), (355, 24642), (374, 24705), (377, 24714), (397, 24801),

Gene: Deloris_32 Start: 23191, Stop: 25377, Start Num: 13
Candidate Starts for Deloris_32:
(Start: 13 @23191 has 44 MA's), (18, 23212), (30, 23302), (37, 23332), (51, 23395), (56, 23431), (63, 23485), (81, 23581), (84, 23611), (107, 23743), (120, 23833), (121, 23848), (134, 23968), (136, 24001), (137, 24010), (170, 24205), (173, 24223), (208, 24451), (216, 24490), (224, 24547), (228, 24580), (233, 24601), (239, 24637), (251, 24697), (257, 24742), (260, 24763), (262, 24772), (277, 24883), (280, 24907), (283, 24922), (285, 24928), (316, 25060), (347, 25162), (350, 25174), (359, 25213), (395, 25354), (397, 25363),

Gene: Dhanush_31 Start: 22963, Stop: 24819, Start Num: 8
Candidate Starts for Dhanush_31:
(Start: 8 @22963 has 170 MA's), (30, 23089), (Start: 34 @23113 has 1 MA's), (55, 23218), (56, 23224), (61, 23272), (65, 23281), (72, 23323), (79, 23368), (101, 23374), (145, 23479), (148, 23491), (159, 23569), (173, 23638), (205, 23866), (210, 23890), (211, 23893), (217, 23920), (218, 23923), (231, 24028), (238, 24058), (240, 24073), (255, 24163), (262, 24202), (268, 24247), (295, 24415), (324, 24532), (326, 24538), (342, 24583), (354, 24634), (355, 24637), (374, 24700), (377, 24709), (397, 24796),

Gene: Dieselweasel_33 Start: 23278, Stop: 25035, Start Num: 7
Candidate Starts for Dieselweasel_33:
(Start: 7 @23278 has 124 MA's), (30, 23413), (45, 23479), (52, 23524), (58, 23560), (79, 23692), (105, 23728), (141, 23749), (156, 23806), (168, 23866), (181, 23920), (185, 23980), (206, 24100), (207, 24103), (221, 24172), (223, 24196), (239, 24289), (244, 24310), (253, 24355), (308, 24685), (327, 24754), (347, 24817), (394, 24988),

Gene: Dignity_33 Start: 23212, Stop: 25416, Start Num: 12
Candidate Starts for Dignity_33:
(Start: 12 @23212 has 34 MA's), (30, 23326), (32, 23335), (33, 23341), (51, 23425), (73, 23563), (76, 23587), (84, 23641), (106, 23752), (124, 23887), (128, 23929), (135, 24001), (165, 24220), (170, 24241), (173, 24259), (178, 24283), (191, 24391), (208, 24484), (216, 24523), (228, 24613), (239, 24670), (240, 24673), (251, 24730), (253, 24736), (257, 24775), (260, 24796), (289, 24985), (297, 25012), (339, 25165), (346, 25189), (360, 25243), (362, 25246), (375, 25285), (377, 25291), (388, 25339),

Gene: DirtyDunning_31 Start: 22953, Stop: 24809, Start Num: 8
Candidate Starts for DirtyDunning_31:
(Start: 8 @22953 has 170 MA's), (30, 23079), (Start: 34 @23103 has 1 MA's), (55, 23208), (56, 23214), (61, 23262), (65, 23271), (72, 23313), (79, 23358), (101, 23364), (145, 23469), (148, 23481), (157, 23544), (159, 23559), (173, 23628), (194, 23796), (205, 23856), (211, 23883), (217, 23910), (218, 23913), (231, 24018), (237, 24039), (238, 24048), (255, 24153), (268, 24237), (280, 24336), (324, 24522), (326, 24528), (342, 24573), (354, 24624), (355, 24627), (374, 24690), (377, 24699), (397, 24786),

Gene: DontArgue_31 Start: 21656, Stop: 23866, Start Num: 8
Candidate Starts for DontArgue_31:
(Start: 8 @21656 has 170 MA's), (16, 21689), (44, 21839), (65, 21971), (76, 22040), (81, 22064), (83, 22085), (84, 22094), (89, 22118), (93, 22178), (97, 22241), (106, 22331), (124, 22466), (146, 22562), (150, 22592), (170, 22700), (171, 22709), (178, 22742), (180, 22751), (208, 22943), (212, 22964), (216, 22982), (224, 23039), (228, 23072), (239, 23129), (251, 23189), (257, 23234), (260, 23255), (261, 23258), (264, 23282), (272, 23348), (273, 23360), (280, 23399), (300, 23486), (323, 23573), (342, 23630), (346, 23648), (350, 23663), (359, 23702),

Gene: Drake55_33 Start: 23226, Stop: 25310, Start Num: 12
Candidate Starts for Drake55_33:
(Start: 12 @23226 has 34 MA's), (30, 23340), (33, 23355), (37, 23376), (53, 23454), (73, 23577), (84, 23655), (106, 23766), (109, 23787), (124, 23901), (127, 23937), (170, 24138), (173, 24156), (178, 24180), (189, 24279), (208, 24381), (216, 24420), (219, 24432), (228, 24510), (251, 24627), (253, 24633), (260, 24693), (273, 24798), (277, 24813), (306, 24954), (307, 24957), (322, 25008), (326, 25023), (333, 25047), (348, 25101), (354, 25125), (384, 25230), (399, 25296),

Gene: Drake94_31 Start: 21398, Stop: 23680, Start Num: 8
Candidate Starts for Drake94_31:
(Start: 8 @21398 has 170 MA's), (16, 21431), (29, 21515), (44, 21581), (65, 21713), (83, 21827), (84, 21836), (93, 21920), (99, 21995), (106, 22073), (119, 22148), (125, 22238), (143, 22364), (170, 22511), (173, 22529), (178, 22553), (208, 22754), (216, 22793), (228, 22883), (239, 22940), (249, 22994), (257, 23045), (260, 23066), (262, 23075), (264, 23093), (266, 23105), (280, 23210), (283, 23225), (285, 23231), (292, 23264), (316, 23363), (322, 23384), (323, 23387), (342, 23444), (346, 23462), (347, 23465), (350, 23477), (359, 23516), (373, 23558), (374, 23561), (398, 23663),

Gene: DropBear_31 Start: 22899, Stop: 24758, Start Num: 7
Candidate Starts for DropBear_31:
(Start: 7 @22899 has 124 MA's), (29, 23025), (30, 23034), (45, 23100), (49, 23121), (55, 23163), (101, 23319), (112, 23367), (144, 23436), (146, 23442), (150, 23472), (170, 23580), (173, 23598), (178, 23622), (216, 23862), (228, 23952), (251, 24069), (266, 24174), (273, 24240), (277, 24255), (315, 24426), (347, 24531), (361, 24585), (375, 24624), (388, 24678), (392, 24705), (397, 24729),

Gene: Druantia_31 Start: 22961, Stop: 24817, Start Num: 8
Candidate Starts for Druantia_31:
(Start: 8 @22961 has 170 MA's), (30, 23087), (Start: 34 @23111 has 1 MA's), (55, 23216), (56, 23222), (61, 23270), (65, 23279), (72, 23321), (79, 23366), (101, 23372), (145, 23477), (148, 23489), (159, 23567), (173, 23636), (205, 23864), (210, 23888), (211, 23891), (217, 23918), (218, 23921), (231, 24026), (238, 24056), (240, 24071), (255, 24161), (262, 24200), (268, 24245), (295, 24413), (324, 24530), (326, 24536), (342, 24581), (354, 24632), (355, 24635), (374, 24698), (377, 24707), (397, 24794),

Gene: DudeLittle_31 Start: 22847, Stop: 25045, Start Num: 13
Candidate Starts for DudeLittle_31:
(Start: 13 @22847 has 44 MA's), (18, 22868), (33, 22973), (51, 23057), (56, 23093), (73, 23195), (74, 23207), (98, 23318), (106, 23384), (124, 23519), (127, 23555), (130, 23582), (153, 23780), (170, 23867), (173, 23885), (178, 23909), (183, 23939), (208, 24110), (219, 24161), (228, 24239), (239, 24296), (257, 24401), (260, 24422), (263, 24434), (273, 24527), (277, 24542), (289, 24611), (297, 24638), (338, 24791), (346, 24815), (388, 24968), (395, 25007),

Gene: DustyMartin_37 Start: 23534, Stop: 25366, Start Num: 8
Candidate Starts for DustyMartin_37:

(Start: 8 @23534 has 170 MA's), (16, 23567), (44, 23717), (49, 23744), (76, 23918), (80, 23939), (81, 23942), (170, 24203), (173, 24221), (216, 24482), (224, 24539), (228, 24572), (249, 24683), (259, 24752), (272, 24848), (273, 24860), (277, 24875), (280, 24899), (283, 24914), (285, 24920), (289, 24944), (300, 24986), (311, 25031), (316, 25049), (323, 25073), (346, 25148), (350, 25163), (352, 25172), (359, 25202), (373, 25244), (398, 25349), (399, 25352),

Gene: EZMoney23_35 Start: 24766, Stop: 26544, Start Num: 13
Candidate Starts for EZMoney23_35:
(Start: 13 @24766 has 44 MA's), (18, 24787), (30, 24877), (32, 24886), (51, 24970), (59, 25030), (105, 25186), (153, 25285), (170, 25375), (173, 25393), (178, 25417), (208, 25618), (216, 25657), (228, 25747), (239, 25804), (277, 26050), (283, 26089), (295, 26146), (316, 26227), (322, 26248), (350, 26341), (373, 26422),

Gene: Eagle_30 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Eagle_30:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (72, 23320), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (194, 23803), (200, 23833), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237, 24046), (238, 24055), (262, 24199), (268, 24244), (293, 24406), (324, 24529), (342, 24580), (374, 24697), (377, 24706), (397, 24793),

Gene: Eaglepride_34 Start: 23450, Stop: 25285, Start Num: 8
Candidate Starts for Eaglepride_34:
(Start: 8 @23450 has 170 MA's), (16, 23483), (17, 23486), (49, 23660), (58, 23720), (81, 23858), (83, 23879), (87, 23906), (146, 23981), (147, 23987), (154, 24032), (166, 24104), (170, 24119), (173, 24137), (212, 24383), (216, 24401), (224, 24458), (228, 24491), (233, 24512), (239, 24548), (249, 24602), (257, 24653), (260, 24674), (272, 24767), (277, 24794), (280, 24818), (283, 24833), (285, 24839), (316, 24968), (322, 24989), (323, 24992), (346, 25067), (350, 25082), (352, 25091), (359, 25121), (373, 25163), (381, 25193), (388, 25223), (398, 25268),

Gene: Eapen_31 Start: 22959, Stop: 24815, Start Num: 8
Candidate Starts for Eapen_31:
(Start: 8 @22959 has 170 MA's), (30, 23085), (Start: 34 @23109 has 1 MA's), (55, 23214), (56, 23220), (61, 23268), (72, 23319), (79, 23364), (101, 23370), (145, 23475), (148, 23487), (159, 23565), (173, 23634), (205, 23862), (210, 23886), (211, 23889), (217, 23916), (218, 23919), (231, 24024), (238, 24054), (240, 24069), (255, 24159), (262, 24198), (268, 24243), (295, 24411), (324, 24528), (326, 24534), (342, 24579), (354, 24630), (355, 24633), (374, 24696), (377, 24705), (397, 24792),

Gene: Echild_31 Start: 22854, Stop: 25181, Start Num: 12
Candidate Starts for Echild_31:
(Start: 12 @22854 has 34 MA's), (18, 22878), (32, 22977), (33, 22983), (38, 23010), (51, 23067), (56, 23103), (63, 23157), (69, 23184), (73, 23205), (76, 23229), (84, 23283), (106, 23394), (124, 23529), (126, 23562), (142, 23748), (170, 24000), (173, 24018), (178, 24042), (208, 24243), (216, 24282), (228, 24372), (239, 24429), (251, 24489), (257, 24534), (260, 24555), (277, 24675), (280, 24699), (289, 24744), (297, 24777), (340, 24933), (373, 25044), (388, 25104), (398, 25158), (401, 25167),

Gene: Edison31_33 Start: 23483, Stop: 25318, Start Num: 8
Candidate Starts for Edison31_33:
(Start: 8 @23483 has 170 MA's), (16, 23516), (49, 23693), (79, 23885), (81, 23891), (83, 23912), (87, 23939), (162, 24119), (170, 24152), (173, 24170), (178, 24194), (191, 24302), (204, 24368), (216, 24434), (224, 24491), (228, 24524), (239, 24581), (249, 24635), (254, 24650), (259, 24704), (273, 24812), (277, 24827), (280, 24851), (283, 24866), (311, 24983), (316, 25001), (322, 25022), (323, 25025), (346, 25100), (350, 25115), (373, 25196), (381, 25226), (388, 25256), (398, 25301), (399,

25304),

Gene: EdogawaKiddo_33 Start: 24389, Stop: 26143, Start Num: 14
Candidate Starts for EdogawaKiddo_33:
(Start: 9 @24377 has 32 MA's), (Start: 14 @24389 has 3 MA's), (45, 24563), (59, 24653), (70, 24698), (71, 24707), (105, 24785), (140, 24809), (148, 24845), (170, 24974), (173, 24992), (189, 25115), (208, 25217), (212, 25238), (216, 25256), (228, 25346), (239, 25403), (259, 25526), (277, 25649), (283, 25688), (295, 25745), (316, 25826), (322, 25847), (323, 25850), (346, 25925), (350, 25940), (381, 26051), (398, 26126),

Gene: Eidsmoe_33 Start: 24443, Stop: 26209, Start Num: 9
Candidate Starts for Eidsmoe_33:
(Start: 9 @24443 has 32 MA's), (45, 24629), (59, 24719), (70, 24764), (71, 24773), (105, 24851), (140, 24875), (148, 24911), (170, 25040), (173, 25058), (208, 25283), (212, 25304), (216, 25322), (228, 25412), (239, 25469), (259, 25592), (277, 25715), (283, 25754), (295, 25811), (316, 25892), (322, 25913), (323, 25916), (350, 26006), (381, 26117), (398, 26192),

Gene: Elephantoon_32 Start: 23816, Stop: 25582, Start Num: 9
Candidate Starts for Elephantoon_32:
(Start: 9 @23816 has 32 MA's), (45, 24002), (59, 24092), (70, 24137), (71, 24146), (104, 24215), (105, 24224), (140, 24248), (148, 24284), (154, 24326), (162, 24380), (170, 24413), (173, 24431), (178, 24455), (179, 24461), (204, 24629), (208, 24656), (216, 24695), (228, 24785), (239, 24842), (253, 24908), (259, 24965), (265, 25004), (277, 25088), (283, 25127), (316, 25265), (322, 25286), (323, 25289), (350, 25379), (373, 25460), (398, 25565),

Gene: EmyBug_33 Start: 24443, Stop: 26209, Start Num: 9
Candidate Starts for EmyBug_33:
(Start: 9 @24443 has 32 MA's), (45, 24629), (59, 24719), (70, 24764), (71, 24773), (105, 24851), (140, 24875), (148, 24911), (170, 25040), (173, 25058), (208, 25283), (212, 25304), (216, 25322), (228, 25412), (239, 25469), (259, 25592), (277, 25715), (283, 25754), (295, 25811), (316, 25892), (322, 25913), (323, 25916), (350, 26006), (381, 26117), (398, 26192),

Gene: EpicPhail_33 Start: 23277, Stop: 25034, Start Num: 7
Candidate Starts for EpicPhail_33:
(Start: 7 @23277 has 124 MA's), (30, 23412), (45, 23478), (52, 23523), (58, 23559), (79, 23691), (105, 23727), (141, 23748), (156, 23805), (168, 23865), (181, 23919), (185, 23979), (206, 24099), (207, 24102), (221, 24171), (223, 24195), (239, 24288), (244, 24309), (253, 24354), (308, 24684), (327, 24753), (347, 24816), (394, 24987),

Gene: Equemioh13_33 Start: 23218, Stop: 25425, Start Num: 12
Candidate Starts for Equemioh13_33:
(Start: 12 @23218 has 34 MA's), (30, 23332), (32, 23341), (33, 23347), (37, 23368), (58, 23479), (73, 23569), (74, 23581), (106, 23758), (113, 23797), (124, 23893), (153, 24154), (170, 24244), (176, 24274), (178, 24286), (207, 24484), (228, 24625), (233, 24646), (249, 24736), (251, 24742), (253, 24748), (257, 24787), (260, 24808), (265, 24844), (266, 24847), (273, 24913), (277, 24928), (278, 24931), (280, 24952), (287, 24985), (323, 25129), (338, 25177), (357, 25240), (377, 25300), (388, 25348), (398, 25402),

Gene: Eris_30 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Eris_30:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237,

24046), (238, 24055), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Eros_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Eros_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: EtoileNova_32 Start: 23377, Stop: 25236, Start Num: 7
Candidate Starts for EtoileNova_32:
(Start: 7 @23377 has 124 MA's), (32, 23521), (35, 23539), (45, 23578), (49, 23599), (55, 23641), (58, 23659), (104, 23818), (112, 23845), (150, 23950), (154, 23971), (170, 24058), (178, 24100), (216, 24340), (228, 24430), (239, 24487), (266, 24652), (272, 24706), (273, 24718), (277, 24733), (304, 24862), (306, 24874), (323, 24934), (326, 24946), (344, 24991), (347, 25009), (388, 25156), (392, 25183), (398, 25213),

Gene: Eurydice_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for Eurydice_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (266, 24223), (268, 24241), (280, 24340), (324, 24526), (342, 24577), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: ExplosioNervosa_33 Start: 24446, Stop: 26212, Start Num: 9
Candidate Starts for ExplosioNervosa_33:
(Start: 9 @24446 has 32 MA's), (45, 24632), (59, 24722), (70, 24767), (71, 24776), (105, 24854), (140, 24878), (148, 24914), (170, 25043), (173, 25061), (208, 25286), (212, 25307), (216, 25325), (228, 25415), (239, 25472), (259, 25595), (277, 25718), (283, 25757), (295, 25814), (316, 25895), (322, 25916), (323, 25919), (350, 26009), (381, 26120), (398, 26195),

Gene: Fameo_31 Start: 22816, Stop: 25014, Start Num: 13
Candidate Starts for Fameo_31:
(Start: 13 @22816 has 44 MA's), (18, 22837), (32, 22936), (51, 23026), (56, 23062), (73, 23164), (74, 23176), (106, 23353), (124, 23488), (136, 23629), (170, 23842), (173, 23860), (178, 23884), (208, 24085), (228, 24214), (239, 24271), (251, 24331), (257, 24376), (260, 24397), (277, 24517), (295, 24607), (297, 24610), (323, 24715), (329, 24739), (343, 24769), (344, 24772), (388, 24937), (398, 24991),

Gene: Farber_33 Start: 23270, Stop: 25027, Start Num: 7
Candidate Starts for Farber_33:
(Start: 7 @23270 has 124 MA's), (30, 23405), (45, 23471), (52, 23516), (58, 23552), (79, 23684), (105, 23720), (141, 23741), (156, 23798), (168, 23858), (181, 23912), (185, 23972), (206, 24092), (207, 24095), (221, 24164), (223, 24188), (239, 24281), (244, 24302), (253, 24347), (308, 24677), (327, 24746), (347, 24809), (394, 24980),

Gene: Fayely_33 Start: 24410, Stop: 26176, Start Num: 9
Candidate Starts for Fayely_33:

(Start: 9 @24410 has 32 MA's), (Start: 14 @24422 has 3 MA's), (45, 24596), (59, 24686), (70, 24731), (71, 24740), (105, 24818), (140, 24842), (148, 24878), (170, 25007), (173, 25025), (208, 25250), (212, 25271), (216, 25289), (228, 25379), (239, 25436), (259, 25559), (277, 25682), (283, 25721), (295, 25778), (316, 25859), (322, 25880), (323, 25883), (350, 25973), (381, 26084), (398, 26159),

Gene: Fernando_33 Start: 23276, Stop: 25033, Start Num: 7
Candidate Starts for Fernando_33:
(Start: 7 @23276 has 124 MA's), (30, 23411), (45, 23477), (52, 23522), (58, 23558), (79, 23690), (105, 23726), (141, 23747), (156, 23804), (168, 23864), (181, 23918), (185, 23978), (206, 24098), (207, 24101), (221, 24170), (223, 24194), (239, 24287), (244, 24308), (253, 24353), (308, 24683), (327, 24752), (347, 24815), (394, 24986),

Gene: FiringLine_31 Start: 22638, Stop: 24839, Start Num: 13
Candidate Starts for FiringLine_31:
(Start: 13 @22638 has 44 MA's), (18, 22659), (32, 22758), (33, 22764), (38, 22791), (39, 22794), (51, 22848), (56, 22884), (73, 22986), (106, 23175), (123, 23307), (124, 23310), (170, 23664), (173, 23682), (178, 23706), (208, 23907), (216, 23946), (228, 24036), (239, 24093), (251, 24153), (257, 24198), (260, 24219), (273, 24324), (277, 24339), (280, 24363), (289, 24408), (297, 24435), (306, 24480), (329, 24564), (377, 24714), (388, 24762), (391, 24786),

Gene: Flare16_31 Start: 22776, Stop: 24998, Start Num: 12
Candidate Starts for Flare16_31:
(Start: 12 @22776 has 34 MA's), (30, 22890), (33, 22905), (58, 23037), (76, 23151), (80, 23172), (84, 23205), (106, 23316), (113, 23355), (124, 23451), (133, 23553), (170, 23802), (176, 23832), (178, 23844), (203, 24015), (216, 24084), (228, 24183), (249, 24294), (251, 24300), (253, 24306), (257, 24345), (265, 24402), (266, 24405), (273, 24471), (289, 24555), (306, 24627), (338, 24747), (371, 24858), (386, 24909), (388, 24921),

Gene: Flaverint_31 Start: 23391, Stop: 25382, Start Num: 1
Candidate Starts for Flaverint_31:
(Start: 1 @23391 has 11 MA's), (Start: 10 @23502 has 5 MA's), (Start: 14 @23511 has 3 MA's), (23, 23568), (24, 23583), (25, 23601), (26, 23613), (35, 23661), (40, 23679), (41, 23682), (60, 23802), (82, 23916), (85, 23937), (89, 23955), (102, 23988), (158, 24171), (161, 24201), (162, 24204), (188, 24378), (190, 24384), (195, 24408), (198, 24414), (215, 24489), (225, 24552), (235, 24594), (237, 24600), (256, 24723), (264, 24771), (266, 24780), (280, 24897), (281, 24900), (289, 24942), (299, 24984), (307, 25020), (321, 25074), (337, 25125), (341, 25131), (344, 25137), (353, 25179), (379, 25269), (390, 25326), (398, 25365), (401, 25374),

Gene: Florean_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for Florean_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (145, 23473), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (268, 24241), (295, 24409), (324, 24526), (326, 24532), (342, 24577), (354, 24628), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: Flux_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Flux_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324,

24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: ForesterFrank_34 Start: 24779, Stop: 26557, Start Num: 13
Candidate Starts for ForesterFrank_34:
(Start: 13 @24779 has 44 MA's), (30, 24890), (32, 24899), (51, 24986), (58, 25034), (59, 25046), (76, 25148), (105, 25202), (139, 25223), (141, 25235), (153, 25301), (170, 25391), (173, 25409), (178, 25433), (191, 25541), (196, 25568), (199, 25577), (216, 25673), (224, 25730), (249, 25874), (259, 25943), (277, 26066), (283, 26105), (316, 26240), (322, 26261), (328, 26282), (350, 26354), (373, 26435), (388, 26495), (395, 26525), (398, 26540),

Gene: Fred313_31 Start: 22584, Stop: 24443, Start Num: 7
Candidate Starts for Fred313_31:
(Start: 7 @22584 has 124 MA's), (29, 22710), (30, 22719), (45, 22785), (49, 22806), (55, 22848), (101, 23004), (112, 23052), (144, 23121), (146, 23127), (150, 23157), (170, 23265), (173, 23283), (178, 23307), (216, 23547), (228, 23637), (251, 23754), (266, 23859), (273, 23925), (277, 23940), (315, 24111), (347, 24216), (361, 24270), (375, 24309), (388, 24363), (392, 24390), (397, 24414),

Gene: Funston_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Funston_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237, 24046), (238, 24055), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Gadost_31 Start: 22964, Stop: 24820, Start Num: 8
Candidate Starts for Gadost_31:
(Start: 8 @22964 has 170 MA's), (30, 23090), (Start: 34 @23114 has 1 MA's), (55, 23219), (56, 23225), (61, 23273), (65, 23282), (72, 23324), (79, 23369), (101, 23375), (145, 23480), (148, 23492), (159, 23570), (173, 23639), (205, 23867), (210, 23891), (211, 23894), (217, 23921), (218, 23924), (231, 24029), (237, 24050), (238, 24059), (255, 24164), (262, 24203), (268, 24248), (293, 24410), (295, 24416), (324, 24533), (326, 24539), (342, 24584), (354, 24635), (355, 24638), (374, 24701), (377, 24710), (397, 24797),

Gene: GaugeLDP_33 Start: 24026, Stop: 25807, Start Num: 13
Candidate Starts for GaugeLDP_33:
(Start: 13 @24026 has 44 MA's), (18, 24047), (30, 24137), (32, 24146), (33, 24152), (58, 24284), (59, 24296), (69, 24353), (72, 24371), (141, 24485), (153, 24551), (170, 24641), (173, 24659), (178, 24683), (208, 24884), (216, 24923), (228, 25013), (233, 25034), (249, 25124), (257, 25175), (260, 25196), (280, 25340), (283, 25355), (291, 25385), (316, 25490), (322, 25511), (350, 25604), (359, 25643), (373, 25685), (381, 25715), (398, 25790),

Gene: Gemma_33 Start: 23357, Stop: 25165, Start Num: 7
Candidate Starts for Gemma_33:
(Start: 7 @23357 has 124 MA's), (30, 23492), (45, 23558), (52, 23603), (58, 23639), (73, 23729), (76, 23753), (104, 23798), (139, 23828), (170, 23996), (173, 24014), (178, 24038), (201, 24200), (208, 24239), (216, 24278), (228, 24368), (257, 24530), (260, 24551), (271, 24638), (280, 24695), (283, 24710), (298, 24773), (316, 24848), (322, 24869), (350, 24962), (359, 25001), (373, 25043), (397, 25142),

Gene: Georgie2_32 Start: 22683, Stop: 24884, Start Num: 13
Candidate Starts for Georgie2_32:

(Start: 13 @22683 has 44 MA's), (18, 22704), (32, 22803), (33, 22809), (38, 22836), (39, 22839), (51, 22893), (56, 22929), (73, 23031), (106, 23220), (123, 23352), (124, 23355), (170, 23709), (173, 23727), (178, 23751), (208, 23952), (216, 23991), (228, 24081), (239, 24138), (251, 24198), (257, 24243), (260, 24264), (273, 24369), (277, 24384), (280, 24408), (289, 24453), (297, 24480), (306, 24525), (323, 24585), (329, 24609), (377, 24759), (388, 24807), (391, 24831),

Gene: Gilberta_31 Start: 23388, Stop: 25379, Start Num: 1
Candidate Starts for Gilberta_31:
(Start: 1 @23388 has 11 MA's), (Start: 10 @23499 has 5 MA's), (Start: 14 @23508 has 3 MA's), (23, 23565), (24, 23580), (25, 23598), (26, 23610), (35, 23658), (40, 23676), (41, 23679), (60, 23799), (82, 23913), (85, 23934), (89, 23952), (102, 23985), (158, 24168), (161, 24198), (162, 24201), (188, 24375), (190, 24381), (195, 24405), (198, 24411), (215, 24486), (225, 24549), (235, 24591), (237, 24597), (256, 24720), (264, 24768), (266, 24777), (280, 24894), (281, 24897), (289, 24939), (299, 24981), (307, 25017), (321, 25071), (337, 25122), (341, 25128), (344, 25134), (353, 25176), (379, 25266), (390, 25323), (398, 25362), (401, 25371),

Gene: GingkoMaracino_33 Start: 23163, Stop: 24920, Start Num: 7
Candidate Starts for GingkoMaracino_33:
(Start: 7 @23163 has 124 MA's), (30, 23298), (45, 23364), (52, 23409), (58, 23445), (79, 23577), (105, 23613), (141, 23634), (156, 23691), (168, 23751), (181, 23805), (185, 23865), (206, 23985), (207, 23988), (221, 24057), (223, 24081), (239, 24174), (244, 24195), (253, 24240), (308, 24570), (327, 24639), (347, 24702), (394, 24873),

Gene: Giroux_32 Start: 22838, Stop: 24697, Start Num: 7
Candidate Starts for Giroux_32:
(Start: 7 @22838 has 124 MA's), (32, 22982), (Start: 34 @22997 has 1 MA's), (45, 23039), (63, 23162), (73, 23210), (91, 23252), (101, 23258), (104, 23279), (170, 23519), (176, 23549), (184, 23597), (201, 23723), (208, 23762), (216, 23801), (224, 23858), (228, 23891), (257, 24053), (258, 24056), (266, 24113), (273, 24179), (277, 24194), (323, 24395), (359, 24521), (361, 24524), (386, 24605), (388, 24617), (392, 24644), (398, 24674),

Gene: Goose_32 Start: 23270, Stop: 25105, Start Num: 8
Candidate Starts for Goose_32:
(Start: 8 @23270 has 170 MA's), (16, 23303), (20, 23318), (73, 23630), (76, 23654), (79, 23672), (80, 23675), (81, 23678), (83, 23699), (87, 23726), (170, 23939), (173, 23957), (178, 23981), (196, 24116), (199, 24125), (216, 24221), (224, 24278), (228, 24311), (249, 24422), (259, 24491), (273, 24599), (277, 24614), (283, 24653), (285, 24659), (300, 24725), (316, 24788), (322, 24809), (323, 24812), (324, 24818), (328, 24830), (346, 24887), (350, 24902), (352, 24911), (356, 24926), (373, 24983), (388, 25043), (398, 25088), (399, 25091),

Gene: Goose1D_31 Start: 22094, Stop: 23953, Start Num: 7
Candidate Starts for Goose1D_31:
(Start: 7 @22094 has 124 MA's), (29, 22220), (30, 22229), (45, 22295), (49, 22316), (55, 22358), (101, 22514), (112, 22562), (144, 22631), (146, 22637), (150, 22667), (170, 22775), (173, 22793), (178, 22817), (216, 23057), (228, 23147), (251, 23264), (266, 23369), (273, 23435), (277, 23450), (283, 23489), (315, 23621), (347, 23726), (361, 23780), (375, 23819), (388, 23873), (392, 23900), (397, 23924),

Gene: Goose1X_31 Start: 22166, Stop: 24034, Start Num: 7
Candidate Starts for Goose1X_31:
(Start: 7 @22166 has 124 MA's), (29, 22292), (30, 22301), (45, 22367), (49, 22388), (55, 22430), (101, 22595), (112, 22643), (144, 22712), (146, 22718), (150, 22748), (170, 22856), (173, 22874), (178, 22898), (216, 23138), (228, 23228), (251, 23345), (266, 23450), (273, 23516), (277, 23531), (283,

23570), (315, 23702), (347, 23807), (361, 23861), (375, 23900), (388, 23954), (392, 23981), (397, 24005),

Gene: Gratitude_33 Start: 23218, Stop: 25425, Start Num: 12
Candidate Starts for Gratitude_33:
(Start: 12 @23218 has 34 MA's), (30, 23332), (32, 23341), (33, 23347), (37, 23368), (58, 23479), (73, 23569), (74, 23581), (106, 23758), (113, 23797), (124, 23893), (153, 24154), (170, 24244), (176, 24274), (178, 24286), (207, 24484), (228, 24625), (233, 24646), (249, 24736), (251, 24742), (253, 24748), (257, 24787), (260, 24808), (265, 24844), (266, 24847), (273, 24913), (277, 24928), (278, 24931), (280, 24952), (287, 24985), (323, 25129), (338, 25177), (357, 25240), (377, 25300), (388, 25348), (398, 25402),

Gene: Grif_33 Start: 23360, Stop: 25111, Start Num: 7
Candidate Starts for Grif_33:
(Start: 7 @23360 has 124 MA's), (30, 23495), (45, 23561), (52, 23606), (58, 23642), (70, 23714), (73, 23732), (105, 23810), (141, 23831), (168, 23948), (189, 24086), (206, 24182), (207, 24185), (221, 24254), (223, 24278), (230, 24323), (239, 24371), (253, 24437), (274, 24608), (276, 24614), (285, 24665), (296, 24710), (316, 24788), (327, 24830), (343, 24872), (374, 24974), (375, 24977), (381, 25001),

Gene: Groupthink_34 Start: 23361, Stop: 25169, Start Num: 7
Candidate Starts for Groupthink_34:
(Start: 7 @23361 has 124 MA's), (30, 23496), (45, 23562), (52, 23607), (58, 23643), (73, 23733), (76, 23757), (104, 23802), (139, 23832), (170, 24000), (173, 24018), (178, 24042), (201, 24204), (208, 24243), (216, 24282), (228, 24372), (257, 24534), (260, 24555), (271, 24642), (280, 24699), (283, 24714), (298, 24777), (316, 24852), (322, 24873), (350, 24966), (359, 25005), (373, 25047), (397, 25146),

Gene: Grub_33 Start: 23269, Stop: 25026, Start Num: 7
Candidate Starts for Grub_33:
(Start: 7 @23269 has 124 MA's), (30, 23404), (45, 23470), (52, 23515), (58, 23551), (79, 23683), (105, 23719), (141, 23740), (156, 23797), (168, 23857), (181, 23911), (185, 23971), (206, 24091), (207, 24094), (221, 24163), (223, 24187), (239, 24280), (244, 24301), (253, 24346), (308, 24676), (327, 24745), (347, 24808), (394, 24979),

Gene: Grum1_33 Start: 23276, Stop: 25033, Start Num: 7
Candidate Starts for Grum1_33:
(Start: 7 @23276 has 124 MA's), (30, 23411), (45, 23477), (52, 23522), (58, 23558), (79, 23690), (105, 23726), (141, 23747), (156, 23804), (168, 23864), (181, 23918), (185, 23978), (206, 24098), (207, 24101), (221, 24170), (223, 24194), (239, 24287), (244, 24308), (253, 24353), (308, 24683), (327, 24752), (347, 24815), (394, 24986),

Gene: GtownJaz_33 Start: 23278, Stop: 25035, Start Num: 7
Candidate Starts for GtownJaz_33:
(Start: 7 @23278 has 124 MA's), (30, 23413), (45, 23479), (52, 23524), (58, 23560), (79, 23692), (105, 23728), (141, 23749), (156, 23806), (168, 23866), (181, 23920), (185, 23980), (206, 24100), (207, 24103), (221, 24172), (223, 24196), (239, 24289), (244, 24310), (253, 24355), (308, 24685), (327, 24754), (347, 24817), (394, 24988),

Gene: Gwennie_33 Start: 23277, Stop: 25034, Start Num: 7
Candidate Starts for Gwennie_33:
(Start: 7 @23277 has 124 MA's), (30, 23412), (45, 23478), (52, 23523), (58, 23559), (79, 23691), (105, 23727), (141, 23748), (156, 23805), (168, 23865), (181, 23919), (185, 23979), (206, 24099), (207,

24102), (221, 24171), (223, 24195), (239, 24288), (244, 24309), (253, 24354), (308, 24684), (327, 24753), (347, 24816), (394, 24987),

Gene: HamSlice_30 Start: 22958, Stop: 24814, Start Num: 8
Candidate Starts for HamSlice_30:
(Start: 8 @22958 has 170 MA's), (30, 23084), (Start: 34 @23108 has 1 MA's), (55, 23213), (56, 23219), (61, 23267), (72, 23318), (79, 23363), (101, 23369), (145, 23474), (148, 23486), (159, 23564), (173, 23633), (205, 23861), (210, 23885), (211, 23888), (217, 23915), (218, 23918), (231, 24023), (238, 24053), (240, 24068), (255, 24158), (262, 24197), (268, 24242), (295, 24410), (324, 24527), (326, 24533), (342, 24578), (354, 24629), (355, 24632), (374, 24695), (377, 24704), (397, 24791),

Gene: Hanray_33 Start: 24381, Stop: 26147, Start Num: 9
Candidate Starts for Hanray_33:
(Start: 9 @24381 has 32 MA's), (Start: 14 @24393 has 3 MA's), (45, 24567), (59, 24657), (70, 24702), (71, 24711), (105, 24789), (140, 24813), (148, 24849), (170, 24978), (173, 24996), (208, 25221), (212, 25242), (216, 25260), (228, 25350), (239, 25407), (259, 25530), (277, 25653), (283, 25692), (295, 25749), (316, 25830), (322, 25851), (323, 25854), (346, 25929), (350, 25944), (381, 26055), (398, 26130),

Gene: Happiness_31 Start: 22966, Stop: 24822, Start Num: 8
Candidate Starts for Happiness_31:
(Start: 8 @22966 has 170 MA's), (30, 23092), (Start: 34 @23116 has 1 MA's), (51, 23191), (55, 23221), (61, 23275), (65, 23284), (72, 23326), (101, 23377), (145, 23482), (148, 23494), (159, 23572), (173, 23641), (194, 23809), (200, 23839), (205, 23869), (210, 23893), (211, 23896), (217, 23923), (218, 23926), (231, 24031), (237, 24052), (238, 24061), (255, 24166), (262, 24205), (268, 24250), (293, 24412), (324, 24535), (342, 24586), (354, 24637), (355, 24640), (374, 24703), (377, 24712), (397, 24799),

Gene: HarryHoudini_33 Start: 23229, Stop: 25313, Start Num: 12
Candidate Starts for HarryHoudini_33:
(Start: 12 @23229 has 34 MA's), (30, 23343), (33, 23358), (73, 23580), (74, 23592), (106, 23769), (124, 23904), (127, 23940), (170, 24141), (173, 24159), (178, 24183), (208, 24384), (216, 24423), (219, 24435), (228, 24513), (239, 24570), (251, 24630), (253, 24636), (260, 24696), (273, 24801), (277, 24816), (281, 24843), (306, 24957), (307, 24960), (322, 25011), (324, 25020), (326, 25026), (333, 25050), (348, 25104), (354, 25128), (384, 25233), (399, 25299),

Gene: HashRod_34 Start: 23364, Stop: 25115, Start Num: 7
Candidate Starts for HashRod_34:
(Start: 7 @23364 has 124 MA's), (30, 23499), (45, 23565), (52, 23610), (58, 23646), (75, 23757), (79, 23778), (105, 23814), (141, 23835), (168, 23952), (189, 24090), (206, 24186), (207, 24189), (221, 24258), (223, 24282), (230, 24327), (239, 24375), (253, 24441), (274, 24612), (276, 24618), (285, 24669), (296, 24714), (303, 24744), (316, 24792), (327, 24834), (332, 24849), (334, 24852), (343, 24876), (374, 24978), (375, 24981), (381, 25005),

Gene: HaveUMetTed_34 Start: 23354, Stop: 25162, Start Num: 7
Candidate Starts for HaveUMetTed_34:
(Start: 7 @23354 has 124 MA's), (30, 23489), (45, 23555), (52, 23600), (53, 23603), (76, 23750), (104, 23795), (139, 23825), (170, 23993), (173, 24011), (178, 24035), (201, 24197), (208, 24236), (216, 24275), (228, 24365), (257, 24527), (260, 24548), (271, 24635), (280, 24692), (283, 24707), (298, 24770), (316, 24845), (322, 24866), (350, 24959), (359, 24998), (373, 25040), (397, 25139),

Gene: Heathen_31 Start: 22640, Stop: 24499, Start Num: 7
Candidate Starts for Heathen_31:

(Start: 7 @22640 has 124 MA's), (29, 22766), (30, 22775), (45, 22841), (49, 22862), (55, 22904), (101, 23060), (112, 23108), (144, 23177), (146, 23183), (150, 23213), (170, 23321), (173, 23339), (178, 23363), (216, 23603), (228, 23693), (251, 23810), (266, 23915), (273, 23981), (277, 23996), (315, 24167), (347, 24272), (361, 24326), (375, 24365), (388, 24419), (392, 24446), (397, 24470),

Gene: Heffalump_33 Start: 24558, Stop: 26342, Start Num: 13
Candidate Starts for Heffalump_33:
(Start: 13 @24558 has 44 MA's), (18, 24579), (32, 24678), (38, 24711), (51, 24768), (56, 24804), (153, 25083), (154, 25086), (170, 25173), (173, 25191), (178, 25215), (189, 25314), (201, 25377), (208, 25416), (216, 25455), (228, 25545), (236, 25575), (240, 25605), (245, 25629), (257, 25707), (260, 25728), (280, 25872), (283, 25887), (316, 26025), (322, 26046), (350, 26139), (359, 26178), (365, 26187), (373, 26220), (381, 26250), (388, 26280), (397, 26319),

Gene: HelDan_31 Start: 22892, Stop: 24751, Start Num: 7
Candidate Starts for HelDan_31:
(Start: 7 @22892 has 124 MA's), (29, 23018), (30, 23027), (45, 23093), (49, 23114), (55, 23156), (101, 23312), (112, 23360), (144, 23429), (146, 23435), (150, 23465), (170, 23573), (173, 23591), (178, 23615), (216, 23855), (228, 23945), (251, 24062), (266, 24167), (273, 24233), (277, 24248), (315, 24419), (347, 24524), (361, 24578), (375, 24617), (388, 24671), (392, 24698), (397, 24722),

Gene: Heliosoles_33 Start: 23361, Stop: 25169, Start Num: 7
Candidate Starts for Heliosoles_33:
(Start: 7 @23361 has 124 MA's), (30, 23496), (45, 23562), (52, 23607), (58, 23643), (73, 23733), (76, 23757), (104, 23802), (139, 23832), (170, 24000), (173, 24018), (178, 24042), (201, 24204), (208, 24243), (216, 24282), (228, 24372), (257, 24534), (260, 24555), (271, 24642), (280, 24699), (283, 24714), (298, 24777), (316, 24852), (322, 24873), (350, 24966), (359, 25005), (373, 25047), (397, 25146),

Gene: Hercules11_33 Start: 23284, Stop: 25041, Start Num: 7
Candidate Starts for Hercules11_33:
(Start: 7 @23284 has 124 MA's), (30, 23419), (45, 23485), (52, 23530), (58, 23566), (79, 23698), (105, 23734), (141, 23755), (156, 23812), (168, 23872), (181, 23926), (185, 23986), (206, 24106), (207, 24109), (221, 24178), (223, 24202), (239, 24295), (244, 24316), (253, 24361), (308, 24691), (327, 24760), (347, 24823), (394, 24994),

Gene: HippoHollow_32 Start: 24484, Stop: 26271, Start Num: 12
Candidate Starts for HippoHollow_32:
(Start: 12 @24484 has 34 MA's), (18, 24508), (30, 24598), (32, 24607), (38, 24640), (51, 24697), (65, 24790), (165, 25081), (170, 25102), (173, 25120), (178, 25144), (208, 25345), (216, 25384), (228, 25474), (239, 25531), (260, 25657), (273, 25762), (283, 25816), (316, 25954), (323, 25978), (350, 26068), (359, 26107), (369, 26131), (373, 26149), (398, 26254),

Gene: Holex_33 Start: 24381, Stop: 26147, Start Num: 9
Candidate Starts for Holex_33:
(Start: 9 @24381 has 32 MA's), (Start: 14 @24393 has 3 MA's), (45, 24567), (59, 24657), (70, 24702), (71, 24711), (105, 24789), (140, 24813), (148, 24849), (170, 24978), (173, 24996), (208, 25221), (212, 25242), (216, 25260), (228, 25350), (239, 25407), (259, 25530), (277, 25653), (283, 25692), (295, 25749), (316, 25830), (322, 25851), (323, 25854), (350, 25944), (381, 26055), (398, 26130),

Gene: Holli_31 Start: 22750, Stop: 24606, Start Num: 8
Candidate Starts for Holli_31:
(Start: 8 @22750 has 170 MA's), (30, 22876), (Start: 34 @22900 has 1 MA's), (55, 23005), (56, 23011), (61, 23059), (65, 23068), (72, 23110), (79, 23155), (101, 23161), (145, 23266), (148, 23278), (159,

23356), (173, 23425), (205, 23653), (210, 23677), (211, 23680), (217, 23707), (218, 23710), (231, 23815), (238, 23845), (240, 23860), (255, 23950), (262, 23989), (268, 24034), (295, 24202), (324, 24319), (326, 24325), (342, 24370), (354, 24421), (355, 24424), (374, 24487), (377, 24496), (397, 24583),

Gene: Hookmount_32 Start: 23374, Stop: 25233, Start Num: 7
Candidate Starts for Hookmount_32:
(Start: 7 @23374 has 124 MA's), (32, 23518), (35, 23536), (45, 23575), (49, 23596), (55, 23638), (58, 23656), (104, 23815), (112, 23842), (150, 23947), (154, 23968), (170, 24055), (178, 24097), (216, 24337), (228, 24427), (239, 24484), (266, 24649), (272, 24703), (273, 24715), (277, 24730), (304, 24859), (306, 24871), (323, 24931), (326, 24943), (344, 24988), (347, 25006), (388, 25153), (392, 25180), (398, 25210),

Gene: HortumSL17_33 Start: 24377, Stop: 26143, Start Num: 9
Candidate Starts for HortumSL17_33:
(Start: 9 @24377 has 32 MA's), (Start: 14 @24389 has 3 MA's), (45, 24563), (59, 24653), (70, 24698), (71, 24707), (105, 24785), (140, 24809), (148, 24845), (170, 24974), (173, 24992), (208, 25217), (212, 25238), (216, 25256), (228, 25346), (239, 25403), (259, 25526), (277, 25649), (283, 25688), (295, 25745), (316, 25826), (322, 25847), (323, 25850), (350, 25940), (381, 26051), (398, 26126),

Gene: Houdini22_31 Start: 22964, Stop: 24820, Start Num: 8
Candidate Starts for Houdini22_31:
(Start: 8 @22964 has 170 MA's), (30, 23090), (Start: 34 @23114 has 1 MA's), (55, 23219), (56, 23225), (61, 23273), (65, 23282), (72, 23324), (79, 23369), (101, 23375), (145, 23480), (148, 23492), (159, 23570), (173, 23639), (205, 23867), (210, 23891), (211, 23894), (217, 23921), (218, 23924), (231, 24029), (237, 24050), (238, 24059), (255, 24164), (262, 24203), (268, 24248), (293, 24410), (295, 24416), (324, 24533), (326, 24539), (342, 24584), (354, 24635), (355, 24638), (374, 24701), (377, 24710), (397, 24797),

Gene: Huxley_31 Start: 23021, Stop: 24877, Start Num: 8
Candidate Starts for Huxley_31:
(Start: 8 @23021 has 170 MA's), (30, 23147), (Start: 34 @23171 has 1 MA's), (55, 23276), (56, 23282), (61, 23330), (72, 23381), (79, 23426), (101, 23432), (145, 23537), (148, 23549), (157, 23612), (159, 23627), (173, 23696), (205, 23924), (210, 23948), (211, 23951), (217, 23978), (218, 23981), (231, 24086), (237, 24107), (238, 24116), (255, 24221), (262, 24260), (268, 24305), (324, 24590), (326, 24596), (342, 24641), (354, 24692), (355, 24695), (374, 24758), (377, 24767), (397, 24854),

Gene: ICleared_31 Start: 22958, Stop: 24814, Start Num: 8
Candidate Starts for ICleared_31:
(Start: 8 @22958 has 170 MA's), (30, 23084), (Start: 34 @23108 has 1 MA's), (55, 23213), (56, 23219), (61, 23267), (72, 23318), (79, 23363), (101, 23369), (145, 23474), (148, 23486), (159, 23564), (173, 23633), (205, 23861), (210, 23885), (211, 23888), (217, 23915), (218, 23918), (231, 24023), (237, 24044), (238, 24053), (255, 24158), (262, 24197), (268, 24242), (293, 24404), (295, 24410), (324, 24527), (326, 24533), (342, 24578), (354, 24629), (355, 24632), (374, 24695), (377, 24704), (397, 24791),

Gene: Iceman_32 Start: 23249, Stop: 25105, Start Num: 8
Candidate Starts for Iceman_32:
(Start: 8 @23249 has 170 MA's), (30, 23375), (Start: 34 @23399 has 1 MA's), (55, 23504), (56, 23510), (61, 23558), (72, 23609), (79, 23654), (101, 23660), (145, 23765), (148, 23777), (159, 23855), (173, 23924), (205, 24152), (210, 24176), (211, 24179), (217, 24206), (218, 24209), (231, 24314), (238, 24344), (240, 24359), (255, 24449), (262, 24488), (268, 24533), (295, 24701), (323, 24812), (324, 24818), (326, 24824), (342, 24869), (354, 24920), (355, 24923), (374, 24986), (377, 24995), (397,

25082),

Gene: Idleandcovert_31 Start: 22838, Stop: 24697, Start Num: 7
Candidate Starts for Idleandcovert_31:
(Start: 7 @22838 has 124 MA's), (32, 22982), (Start: 34 @22997 has 1 MA's), (45, 23039), (63, 23162), (73, 23210), (91, 23252), (101, 23258), (104, 23279), (170, 23519), (176, 23549), (184, 23597), (201, 23723), (208, 23762), (216, 23801), (224, 23858), (228, 23891), (257, 24053), (258, 24056), (266, 24113), (273, 24179), (277, 24194), (323, 24395), (359, 24521), (361, 24524), (386, 24605), (388, 24617), (392, 24644), (398, 24674),

Gene: Insomnia_31 Start: 23449, Stop: 25440, Start Num: 1
Candidate Starts for Insomnia_31:
(Start: 1 @23449 has 11 MA's), (Start: 10 @23560 has 5 MA's), (Start: 14 @23569 has 3 MA's), (23, 23626), (24, 23641), (25, 23659), (26, 23671), (35, 23719), (40, 23737), (41, 23740), (60, 23860), (82, 23974), (85, 23995), (89, 24013), (102, 24046), (158, 24229), (161, 24259), (162, 24262), (188, 24436), (190, 24442), (195, 24466), (198, 24472), (215, 24547), (225, 24610), (235, 24652), (237, 24658), (256, 24781), (264, 24829), (266, 24838), (280, 24955), (281, 24958), (289, 25000), (299, 25042), (307, 25078), (321, 25132), (337, 25183), (341, 25189), (344, 25195), (353, 25237), (390, 25384), (398, 25423), (401, 25432),

Gene: Iracema64_32 Start: 23268, Stop: 25124, Start Num: 8
Candidate Starts for Iracema64_32:
(Start: 8 @23268 has 170 MA's), (30, 23394), (Start: 34 @23418 has 1 MA's), (55, 23523), (56, 23529), (61, 23577), (65, 23586), (72, 23628), (79, 23673), (101, 23679), (145, 23784), (148, 23796), (157, 23859), (159, 23874), (173, 23943), (194, 24111), (205, 24171), (211, 24198), (217, 24225), (218, 24228), (231, 24333), (237, 24354), (238, 24363), (255, 24468), (268, 24552), (280, 24651), (324, 24837), (326, 24843), (342, 24888), (354, 24939), (355, 24942), (374, 25005), (377, 25014), (397, 25101),

Gene: IronMan_34 Start: 24846, Stop: 26621, Start Num: 13
Candidate Starts for IronMan_34:
(2, 24744), (Start: 13 @24846 has 44 MA's), (18, 24867), (30, 24957), (32, 24966), (46, 25023), (51, 25050), (53, 25065), (65, 25143), (101, 25236), (104, 25257), (139, 25287), (141, 25299), (162, 25422), (170, 25455), (173, 25473), (178, 25497), (193, 25611), (208, 25698), (216, 25737), (224, 25794), (257, 25989), (260, 26010), (280, 26154), (283, 26169), (316, 26304), (323, 26328), (350, 26418), (373, 26499), (398, 26604),

Gene: Isca_31 Start: 22776, Stop: 24635, Start Num: 7
Candidate Starts for Isca_31:
(Start: 7 @22776 has 124 MA's), (29, 22902), (32, 22920), (Start: 34 @22935 has 1 MA's), (45, 22977), (101, 23196), (104, 23217), (112, 23244), (146, 23319), (150, 23349), (170, 23457), (173, 23475), (178, 23499), (216, 23739), (224, 23796), (228, 23829), (247, 23922), (251, 23946), (266, 24051), (273, 24117), (277, 24132), (315, 24303), (347, 24408), (359, 24459), (361, 24462), (375, 24501), (388, 24555), (392, 24582), (397, 24606),

Gene: JF2_31 Start: 22527, Stop: 24386, Start Num: 7
Candidate Starts for JF2_31:
(Start: 7 @22527 has 124 MA's), (29, 22653), (32, 22671), (Start: 34 @22686 has 1 MA's), (45, 22728), (55, 22791), (100, 22944), (101, 22947), (104, 22968), (112, 22995), (146, 23070), (154, 23121), (170, 23208), (178, 23250), (216, 23490), (224, 23547), (228, 23580), (247, 23673), (251, 23697), (266, 23802), (273, 23868), (277, 23883), (315, 24054), (347, 24159), (361, 24213), (375, 24252), (387, 24300), (388, 24306), (392, 24333), (397, 24357),

Gene: JF4_31 Start: 22527, Stop: 24386, Start Num: 7
Candidate Starts for JF4_31:
(Start: 7 @22527 has 124 MA's), (29, 22653), (32, 22671), (Start: 34 @22686 has 1 MA's), (45, 22728), (55, 22791), (100, 22944), (101, 22947), (104, 22968), (112, 22995), (146, 23070), (154, 23121), (170, 23208), (178, 23250), (216, 23490), (224, 23547), (228, 23580), (247, 23673), (251, 23697), (266, 23802), (273, 23868), (277, 23883), (315, 24054), (347, 24159), (361, 24213), (375, 24252), (387, 24300), (388, 24306), (392, 24333), (397, 24357),

Gene: JHC117_33 Start: 23275, Stop: 25032, Start Num: 7
Candidate Starts for JHC117_33:
(Start: 7 @23275 has 124 MA's), (30, 23410), (45, 23476), (52, 23521), (58, 23557), (79, 23689), (105, 23725), (141, 23746), (156, 23803), (168, 23863), (181, 23917), (185, 23977), (206, 24097), (207, 24100), (221, 24169), (223, 24193), (239, 24286), (244, 24307), (253, 24352), (308, 24682), (327, 24751), (347, 24814), (394, 24985),

Gene: Jaan_35 Start: 25218, Stop: 26993, Start Num: 8
Candidate Starts for Jaan_35:
(5, 25179), (Start: 8 @25218 has 170 MA's), (30, 25329), (32, 25338), (46, 25395), (51, 25422), (65, 25515), (101, 25608), (104, 25629), (139, 25659), (141, 25671), (162, 25794), (170, 25827), (173, 25845), (178, 25869), (193, 25983), (197, 26007), (208, 26070), (216, 26109), (219, 26121), (224, 26166), (257, 26361), (260, 26382), (283, 26541), (285, 26547), (300, 26613), (316, 26676), (322, 26697), (350, 26790), (373, 26871), (381, 26901), (388, 26931), (398, 26976),

Gene: Jabith_31 Start: 23449, Stop: 25440, Start Num: 1
Candidate Starts for Jabith_31:
(Start: 1 @23449 has 11 MA's), (Start: 10 @23560 has 5 MA's), (Start: 14 @23569 has 3 MA's), (23, 23626), (24, 23641), (25, 23659), (26, 23671), (35, 23719), (40, 23737), (41, 23740), (60, 23860), (82, 23974), (85, 23995), (89, 24013), (102, 24046), (158, 24229), (161, 24259), (162, 24262), (188, 24436), (190, 24442), (195, 24466), (198, 24472), (215, 24547), (225, 24610), (235, 24652), (237, 24658), (256, 24781), (264, 24829), (266, 24838), (280, 24955), (281, 24958), (289, 25000), (299, 25042), (307, 25078), (321, 25132), (337, 25183), (341, 25189), (344, 25195), (353, 25237), (379, 25327), (390, 25384), (398, 25423), (401, 25432),

Gene: Jaykayelowell_31 Start: 22956, Stop: 24812, Start Num: 8
Candidate Starts for Jaykayelowell_31:
(Start: 8 @22956 has 170 MA's), (30, 23082), (Start: 34 @23106 has 1 MA's), (55, 23211), (56, 23217), (61, 23265), (72, 23316), (79, 23361), (101, 23367), (145, 23472), (148, 23484), (159, 23562), (173, 23631), (205, 23859), (211, 23886), (217, 23913), (218, 23916), (231, 24021), (238, 24051), (240, 24066), (255, 24156), (262, 24195), (268, 24240), (295, 24408), (324, 24525), (326, 24531), (342, 24576), (354, 24627), (355, 24630), (374, 24693), (377, 24702), (397, 24789),

Gene: JenCasNa_33 Start: 23276, Stop: 25033, Start Num: 7
Candidate Starts for JenCasNa_33:
(Start: 7 @23276 has 124 MA's), (30, 23411), (45, 23477), (52, 23522), (58, 23558), (79, 23690), (105, 23726), (141, 23747), (156, 23804), (168, 23864), (181, 23918), (185, 23978), (206, 24098), (207, 24101), (221, 24170), (223, 24194), (239, 24287), (244, 24308), (253, 24353), (308, 24683), (327, 24752), (347, 24815), (394, 24986),

Gene: JeppNRM_34 Start: 23360, Stop: 25168, Start Num: 7
Candidate Starts for JeppNRM_34:
(Start: 7 @23360 has 124 MA's), (30, 23495), (45, 23561), (52, 23606), (53, 23609), (70, 23714), (76, 23756), (104, 23801), (139, 23831), (163, 23972), (170, 23999), (173, 24017), (178, 24041), (201, 24203), (208, 24242), (216, 24281), (228, 24371), (257, 24533), (260, 24554), (271, 24641), (280,

24698), (283, 24713), (298, 24776), (316, 24851), (322, 24872), (350, 24965), (359, 25004), (373, 25046), (397, 25145),

Gene: Jerm_33 Start: 23204, Stop: 25408, Start Num: 12
Candidate Starts for Jerm_33:
(Start: 12 @23204 has 34 MA's), (30, 23318), (32, 23327), (38, 23360), (51, 23417), (73, 23555), (106, 23744), (124, 23879), (128, 23921), (135, 23993), (170, 24233), (173, 24251), (178, 24275), (191, 24383), (208, 24476), (216, 24515), (228, 24605), (239, 24662), (240, 24665), (251, 24722), (253, 24728), (257, 24767), (260, 24788), (297, 25004), (306, 25049), (346, 25181), (356, 25217), (362, 25238), (375, 25277), (388, 25331), (402, 25400),

Gene: JetBlade_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for JetBlade_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (145, 23473), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (268, 24241), (295, 24409), (324, 24526), (326, 24532), (342, 24577), (354, 24628), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: Jiawan_33 Start: 24413, Stop: 26179, Start Num: 9
Candidate Starts for Jiawan_33:
(Start: 9 @24413 has 32 MA's), (Start: 14 @24425 has 3 MA's), (45, 24599), (59, 24689), (70, 24734), (71, 24743), (105, 24821), (140, 24845), (148, 24881), (170, 25010), (173, 25028), (208, 25253), (212, 25274), (216, 25292), (228, 25382), (239, 25439), (259, 25562), (277, 25685), (283, 25724), (295, 25781), (316, 25862), (322, 25883), (323, 25886), (346, 25961), (350, 25976), (381, 26087), (398, 26162),

Gene: Jobu08_33 Start: 23349, Stop: 25154, Start Num: 7
Candidate Starts for Jobu08_33:
(Start: 7 @23349 has 124 MA's), (30, 23484), (45, 23550), (52, 23595), (70, 23703), (76, 23745), (104, 23790), (139, 23820), (170, 23988), (173, 24006), (178, 24030), (197, 24168), (201, 24192), (208, 24231), (216, 24270), (228, 24360), (257, 24522), (260, 24543), (271, 24630), (283, 24702), (291, 24732), (300, 24774), (316, 24837), (323, 24861), (346, 24936), (350, 24951), (359, 24990), (373, 25032), (398, 25137),

Gene: JoongJeon_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for JoongJeon_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Joselito_31 Start: 23397, Stop: 25388, Start Num: 1
Candidate Starts for Joselito_31:
(Start: 1 @23397 has 11 MA's), (Start: 10 @23508 has 5 MA's), (Start: 14 @23517 has 3 MA's), (23, 23574), (24, 23589), (25, 23607), (26, 23619), (35, 23667), (40, 23685), (41, 23688), (60, 23808), (82, 23922), (85, 23943), (89, 23961), (102, 23994), (158, 24177), (161, 24207), (162, 24210), (188, 24384), (190, 24390), (195, 24414), (198, 24420), (215, 24495), (225, 24558), (235, 24600), (237, 24606), (256, 24729), (264, 24777), (266, 24786), (280, 24903), (281, 24906), (289, 24948), (299, 24990), (307, 25026), (321, 25080), (337, 25131), (341, 25137), (344, 25143), (353, 25185), (379,

25275), (390, 25332), (398, 25371), (401, 25380),

Gene: JoshKayV_33 Start: 23180, Stop: 25381, Start Num: 13
Candidate Starts for JoshKayV_33:
(Start: 13 @23180 has 44 MA's), (18, 23201), (30, 23291), (32, 23300), (51, 23390), (73, 23528), (76, 23552), (84, 23606), (106, 23717), (110, 23741), (124, 23852), (128, 23894), (170, 24206), (173, 24224), (178, 24248), (191, 24356), (208, 24449), (216, 24488), (228, 24578), (251, 24695), (253, 24701), (257, 24740), (260, 24761), (289, 24950), (297, 24977), (306, 25022), (356, 25190), (362, 25211), (375, 25250), (388, 25304), (402, 25373),

Gene: Jsquared_30 Start: 21719, Stop: 23470, Start Num: 13
Candidate Starts for Jsquared_30:
(Start: 13 @21719 has 44 MA's), (18, 21740), (32, 21839), (Start: 34 @21854 has 1 MA's), (51, 21929), (56, 21965), (58, 21977), (59, 21989), (61, 22013), (63, 22019), (78, 22100), (83, 22133), (86, 22157), (88, 22163), (111, 22235), (151, 22343), (206, 22661), (227, 22781), (241, 22850), (276, 23081), (290, 23156), (293, 23168), (295, 23177), (305, 23216), (370, 23411), (379, 23438), (380, 23441), (382, 23453),

Gene: Junimo_30 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Junimo_30:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: KADY_34 Start: 23364, Stop: 25115, Start Num: 7
Candidate Starts for KADY_34:
(Start: 7 @23364 has 124 MA's), (30, 23499), (45, 23565), (52, 23610), (58, 23646), (75, 23757), (79, 23778), (105, 23814), (141, 23835), (168, 23952), (189, 24090), (206, 24186), (207, 24189), (221, 24258), (223, 24282), (230, 24327), (239, 24375), (253, 24441), (274, 24612), (276, 24618), (285, 24669), (296, 24714), (303, 24744), (316, 24792), (327, 24834), (332, 24849), (334, 24852), (343, 24876), (374, 24978), (375, 24981), (381, 25005),

Gene: KFPoly_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for KFPoly_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (145, 23473), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (237, 24043), (238, 24052), (255, 24157), (262, 24196), (268, 24241), (295, 24409), (324, 24526), (326, 24532), (342, 24577), (354, 24628), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: Kachowdy_31 Start: 22892, Stop: 24751, Start Num: 7
Candidate Starts for Kachowdy_31:
(Start: 7 @22892 has 124 MA's), (29, 23018), (30, 23027), (45, 23093), (49, 23114), (55, 23156), (101, 23312), (112, 23360), (144, 23429), (146, 23435), (150, 23465), (170, 23573), (173, 23591), (178, 23615), (216, 23855), (228, 23945), (251, 24062), (266, 24167), (273, 24233), (277, 24248), (315, 24419), (347, 24524), (361, 24578), (375, 24617), (388, 24671), (392, 24698), (397, 24722),

Gene: Kalb97_34 Start: 23360, Stop: 25168, Start Num: 7
Candidate Starts for Kalb97_34:

(Start: 7 @23360 has 124 MA's), (30, 23495), (45, 23561), (52, 23606), (58, 23642), (73, 23732), (76, 23756), (104, 23801), (139, 23831), (170, 23999), (173, 24017), (178, 24041), (201, 24203), (208, 24242), (216, 24281), (228, 24371), (257, 24533), (260, 24554), (271, 24641), (280, 24698), (283, 24713), (298, 24776), (316, 24851), (322, 24872), (350, 24965), (359, 25004), (365, 25013), (373, 25046), (397, 25145),

Gene: Kalnoky_34 Start: 23361, Stop: 25169, Start Num: 7
Candidate Starts for Kalnoky_34:
(Start: 7 @23361 has 124 MA's), (30, 23496), (45, 23562), (52, 23607), (53, 23610), (70, 23715), (76, 23757), (104, 23802), (139, 23832), (163, 23973), (170, 24000), (173, 24018), (178, 24042), (201, 24204), (208, 24243), (216, 24282), (228, 24372), (257, 24534), (260, 24555), (271, 24642), (280, 24699), (283, 24714), (298, 24777), (316, 24852), (322, 24873), (350, 24966), (359, 25005), (373, 25047), (397, 25146),

Gene: Kalpine_34 Start: 24570, Stop: 26348, Start Num: 10
Candidate Starts for Kalpine_34:
(Start: 10 @24570 has 5 MA's), (30, 24684), (32, 24693), (58, 24825), (153, 25092), (170, 25182), (173, 25200), (208, 25425), (216, 25464), (219, 25476), (228, 25554), (239, 25611), (249, 25665), (259, 25734), (276, 25851), (283, 25896), (297, 25953), (316, 26031), (322, 26052), (328, 26073), (350, 26145), (373, 26226), (381, 26256), (388, 26286), (398, 26331),

Gene: Kampy_31 Start: 22958, Stop: 24814, Start Num: 8
Candidate Starts for Kampy_31:
(Start: 8 @22958 has 170 MA's), (30, 23084), (Start: 34 @23108 has 1 MA's), (55, 23213), (56, 23219), (61, 23267), (65, 23276), (72, 23318), (79, 23363), (101, 23369), (145, 23474), (148, 23486), (159, 23564), (173, 23633), (205, 23861), (210, 23885), (211, 23888), (217, 23915), (218, 23918), (231, 24023), (238, 24053), (240, 24068), (255, 24158), (262, 24197), (266, 24224), (268, 24242), (280, 24341), (324, 24527), (342, 24578), (355, 24632), (374, 24695), (377, 24704), (397, 24791),

Gene: Katalie136_31 Start: 22972, Stop: 24831, Start Num: 8
Candidate Starts for Katalie136_31:
(3, 22912), (Start: 8 @22972 has 170 MA's), (21, 23038), (27, 23083), (29, 23089), (Start: 34 @23122 has 1 MA's), (38, 23140), (49, 23185), (50, 23191), (51, 23197), (65, 23290), (67, 23305), (79, 23377), (114, 23437), (145, 23488), (148, 23500), (159, 23578), (173, 23647), (186, 23770), (192, 23794), (205, 23875), (214, 23920), (217, 23929), (218, 23932), (237, 24061), (238, 24070), (246, 24112), (251, 24139), (255, 24175), (259, 24202), (262, 24214), (282, 24370), (324, 24544), (326, 24550), (342, 24595), (354, 24646), (355, 24649), (366, 24685), (377, 24721),

Gene: KekoraPapaka_30 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for KekoraPapaka_30:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Kimona_28 Start: 20738, Stop: 22444, Start Num: 8
Candidate Starts for Kimona_28:
(Start: 8 @20738 has 170 MA's), (16, 20771), (20, 20786), (45, 20936), (46, 20942), (64, 21053), (66, 21059), (83, 21116), (108, 21185), (116, 21218), (117, 21230), (167, 21389), (227, 21752), (279, 22079), (284, 22100), (286, 22112), (300, 22166), (305, 22190), (335, 22271), (369, 22379), (378, 22409), (383, 22436),

Gene: Kingmustik0402_31 Start: 22952, Stop: 24808, Start Num: 8
Candidate Starts for Kingmustik0402_31:
(Start: 8 @22952 has 170 MA's), (30, 23078), (Start: 34 @23102 has 1 MA's), (55, 23207), (56, 23213), (61, 23261), (65, 23270), (72, 23312), (79, 23357), (101, 23363), (145, 23468), (148, 23480), (159, 23558), (173, 23627), (205, 23855), (210, 23879), (211, 23882), (217, 23909), (218, 23912), (231, 24017), (238, 24047), (240, 24062), (255, 24152), (262, 24191), (268, 24236), (295, 24404), (324, 24521), (326, 24527), (342, 24572), (354, 24623), (355, 24626), (374, 24689), (377, 24698), (397, 24785),

Gene: KittenMittens_31 Start: 21406, Stop: 23688, Start Num: 8
Candidate Starts for KittenMittens_31:
(Start: 8 @21406 has 170 MA's), (16, 21439), (29, 21523), (44, 21589), (83, 21835), (84, 21844), (93, 21928), (99, 22003), (106, 22081), (119, 22156), (125, 22246), (130, 22279), (143, 22372), (170, 22519), (173, 22537), (178, 22561), (208, 22762), (216, 22801), (228, 22891), (239, 22948), (260, 23074), (262, 23083), (264, 23101), (266, 23113), (280, 23218), (283, 23233), (285, 23239), (292, 23272), (316, 23371), (322, 23392), (323, 23395), (342, 23452), (346, 23470), (347, 23473), (350, 23485), (359, 23524), (373, 23566), (374, 23569), (398, 23671),

Gene: Koan_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Koan_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237, 24046), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Koduck_32 Start: 21936, Stop: 23582, Start Num: 13
Candidate Starts for Koduck_32:
(Start: 13 @21936 has 44 MA's), (32, 22056), (Start: 34 @22071 has 1 MA's), (51, 22146), (58, 22194), (59, 22206), (69, 22263), (86, 22374), (88, 22380), (111, 22452), (172, 22671), (188, 22785), (206, 22869), (208, 22875), (218, 22911), (227, 22995), (243, 23073), (259, 23169), (266, 23208), (276, 23295), (290, 23367), (309, 23442), (313, 23454), (318, 23463), (325, 23493), (349, 23562),

Gene: Koreni_30 Start: 22606, Stop: 24462, Start Num: 8
Candidate Starts for Koreni_30:
(Start: 8 @22606 has 170 MA's), (30, 22732), (Start: 34 @22756 has 1 MA's), (55, 22861), (56, 22867), (61, 22915), (65, 22924), (72, 22966), (79, 23011), (101, 23017), (145, 23122), (148, 23134), (159, 23212), (173, 23281), (205, 23509), (210, 23533), (211, 23536), (217, 23563), (218, 23566), (231, 23671), (237, 23692), (238, 23701), (255, 23806), (262, 23845), (268, 23890), (293, 24052), (295, 24058), (324, 24175), (326, 24181), (342, 24226), (354, 24277), (355, 24280), (374, 24343), (377, 24352), (397, 24439),

Gene: Kratark_31 Start: 22952, Stop: 24808, Start Num: 8
Candidate Starts for Kratark_31:
(Start: 8 @22952 has 170 MA's), (30, 23078), (Start: 34 @23102 has 1 MA's), (55, 23207), (56, 23213), (61, 23261), (72, 23312), (79, 23357), (101, 23363), (145, 23468), (148, 23480), (157, 23543), (159, 23558), (173, 23627), (205, 23855), (210, 23879), (211, 23882), (217, 23909), (218, 23912), (231, 24017), (237, 24038), (238, 24047), (255, 24152), (262, 24191), (268, 24236), (280, 24335), (324, 24521), (326, 24527), (342, 24572), (354, 24623), (355, 24626), (374, 24689), (377, 24698), (397, 24785),

Gene: Kremtemulon_31 Start: 23008, Stop: 24867, Start Num: 8
Candidate Starts for Kremtemulon_31:
(Start: 8 @23008 has 170 MA's), (30, 23134), (Start: 34 @23158 has 1 MA's), (55, 23263), (56, 23269), (61, 23317), (65, 23326), (72, 23368), (101, 23419), (145, 23524), (148, 23536), (159, 23614), (173, 23683), (205, 23911), (211, 23938), (217, 23965), (218, 23968), (231, 24073), (238, 24103), (240, 24118), (255, 24208), (262, 24247), (266, 24274), (268, 24292), (326, 24583), (350, 24661), (353, 24673), (354, 24679), (366, 24718), (374, 24745), (376, 24751), (397, 24844),

Gene: Kristoff_34 Start: 23647, Stop: 25482, Start Num: 8
Candidate Starts for Kristoff_34:
(Start: 8 @23647 has 170 MA's), (16, 23680), (49, 23857), (79, 24049), (81, 24055), (83, 24076), (87, 24103), (162, 24283), (170, 24316), (173, 24334), (178, 24358), (191, 24466), (216, 24598), (224, 24655), (228, 24688), (239, 24745), (249, 24799), (254, 24814), (259, 24868), (273, 24976), (277, 24991), (280, 25015), (283, 25030), (311, 25147), (316, 25165), (322, 25186), (323, 25189), (346, 25264), (350, 25279), (373, 25360), (381, 25390), (388, 25420), (398, 25465), (399, 25468),

Gene: Kyee_31 Start: 22958, Stop: 24814, Start Num: 8
Candidate Starts for Kyee_31:
(Start: 8 @22958 has 170 MA's), (30, 23084), (Start: 34 @23108 has 1 MA's), (55, 23213), (56, 23219), (61, 23267), (65, 23276), (72, 23318), (79, 23363), (101, 23369), (145, 23474), (148, 23486), (159, 23564), (173, 23633), (205, 23861), (210, 23885), (211, 23888), (217, 23915), (218, 23918), (231, 24023), (237, 24044), (238, 24053), (255, 24158), (262, 24197), (268, 24242), (295, 24410), (324, 24527), (326, 24533), (342, 24578), (354, 24629), (355, 24632), (374, 24695), (377, 24704), (397, 24791),

Gene: L5_31 Start: 21890, Stop: 23536, Start Num: 13
Candidate Starts for L5_31:
(Start: 13 @21890 has 44 MA's), (32, 22010), (Start: 34 @22025 has 1 MA's), (51, 22100), (58, 22148), (59, 22160), (78, 22271), (86, 22328), (88, 22334), (111, 22406), (172, 22625), (188, 22739), (206, 22823), (208, 22829), (218, 22865), (227, 22949), (243, 23027), (259, 23123), (266, 23162), (276, 23249), (313, 23408), (325, 23447),

Gene: LBerry_33 Start: 23277, Stop: 25034, Start Num: 7
Candidate Starts for LBerry_33:
(Start: 7 @23277 has 124 MA's), (30, 23412), (45, 23478), (52, 23523), (58, 23559), (79, 23691), (105, 23727), (141, 23748), (156, 23805), (168, 23865), (181, 23919), (185, 23979), (206, 24099), (207, 24102), (221, 24171), (223, 24195), (239, 24288), (244, 24309), (253, 24354), (308, 24684), (327, 24753), (347, 24816), (394, 24987),

Gene: LHTSCC_32 Start: 23274, Stop: 25130, Start Num: 8
Candidate Starts for LHTSCC_32:
(Start: 8 @23274 has 170 MA's), (30, 23400), (Start: 34 @23424 has 1 MA's), (55, 23529), (56, 23535), (61, 23583), (72, 23634), (101, 23685), (145, 23790), (148, 23802), (159, 23880), (173, 23949), (194, 24117), (200, 24147), (205, 24177), (210, 24201), (211, 24204), (217, 24231), (218, 24234), (231, 24339), (237, 24360), (238, 24369), (262, 24513), (268, 24558), (293, 24720), (324, 24843), (342, 24894), (374, 25011), (377, 25020), (397, 25107),

Gene: Lambert1_32 Start: 23373, Stop: 25232, Start Num: 7
Candidate Starts for Lambert1_32:
(Start: 7 @23373 has 124 MA's), (32, 23517), (35, 23535), (45, 23574), (49, 23595), (55, 23637), (58, 23655), (104, 23814), (112, 23841), (150, 23946), (154, 23967), (170, 24054), (178, 24096), (216, 24336), (228, 24426), (239, 24483), (266, 24648), (272, 24702), (273, 24714), (277, 24729), (304, 24858), (306, 24870), (323, 24930), (326, 24942), (344, 24987), (347, 25005), (388, 25152), (392,

25179), (398, 25209),

Gene: Landor_33 Start: 24870, Stop: 26645, Start Num: 8
Candidate Starts for Landor_33:
(5, 24831), (Start: 8 @24870 has 170 MA's), (30, 24981), (32, 24990), (46, 25047), (51, 25074), (65, 25167), (101, 25260), (104, 25281), (139, 25311), (141, 25323), (162, 25446), (170, 25479), (173, 25497), (178, 25521), (193, 25635), (201, 25683), (208, 25722), (216, 25761), (219, 25773), (224, 25818), (257, 26013), (260, 26034), (272, 26127), (283, 26193), (300, 26265), (316, 26328), (346, 26427), (350, 26442), (373, 26523), (388, 26583), (398, 26628),

Gene: LappelDuVide_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for LappelDuVide_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (72, 23317), (79, 23362), (101, 23368), (145, 23473), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (268, 24241), (295, 24409), (324, 24526), (326, 24532), (342, 24577), (354, 24628), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: Larenn_32 Start: 23024, Stop: 25237, Start Num: 12
Candidate Starts for Larenn_32:
(Start: 12 @23024 has 34 MA's), (30, 23138), (33, 23153), (53, 23252), (63, 23327), (73, 23375), (74, 23387), (106, 23564), (113, 23603), (124, 23699), (126, 23732), (128, 23741), (133, 23801), (138, 23867), (170, 24053), (176, 24083), (178, 24095), (203, 24266), (216, 24335), (228, 24434), (249, 24545), (251, 24551), (253, 24557), (257, 24596), (260, 24617), (265, 24653), (266, 24656), (273, 24722), (297, 24833), (323, 24938), (343, 24992), (377, 25112), (388, 25160), (391, 25184),

Gene: LarryKay_33 Start: 23366, Stop: 25117, Start Num: 7
Candidate Starts for LarryKay_33:
(Start: 7 @23366 has 124 MA's), (30, 23501), (45, 23567), (52, 23612), (58, 23648), (75, 23759), (79, 23780), (105, 23816), (141, 23837), (168, 23954), (189, 24092), (206, 24188), (207, 24191), (221, 24260), (223, 24284), (230, 24329), (239, 24377), (253, 24443), (274, 24614), (276, 24620), (285, 24671), (296, 24716), (303, 24746), (316, 24794), (327, 24836), (332, 24851), (334, 24854), (343, 24878), (374, 24980), (375, 24983), (381, 25007),

Gene: Lemur_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for Lemur_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (145, 23473), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (268, 24241), (295, 24409), (324, 24526), (326, 24532), (342, 24577), (354, 24628), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: LeoAvram_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for LeoAvram_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (268, 24241), (280, 24340), (324, 24526), (342, 24577), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: Leogania_33 Start: 24913, Stop: 26691, Start Num: 8
Candidate Starts for Leogania_33:

(Start: 8 @24913 has 170 MA's), (30, 25024), (32, 25033), (51, 25120), (105, 25336), (139, 25357), (141, 25369), (165, 25504), (170, 25525), (173, 25543), (178, 25567), (191, 25675), (216, 25807), (224, 25864), (228, 25897), (239, 25954), (273, 26185), (280, 26224), (283, 26239), (316, 26374), (323, 26398), (324, 26404), (346, 26473), (350, 26488), (359, 26527), (365, 26536), (373, 26569), (398, 26674), (401, 26683),

Gene: Leviathan_33 Start: 23260, Stop: 25464, Start Num: 12
Candidate Starts for Leviathan_33:
(Start: 12 @23260 has 34 MA's), (30, 23374), (32, 23383), (33, 23389), (51, 23473), (73, 23611), (76, 23635), (84, 23689), (106, 23800), (124, 23935), (128, 23977), (135, 24049), (165, 24268), (170, 24289), (173, 24307), (178, 24331), (191, 24439), (208, 24532), (216, 24571), (228, 24661), (239, 24718), (240, 24721), (251, 24778), (253, 24784), (257, 24823), (260, 24844), (289, 25033), (294, 25054), (323, 25165), (366, 25303), (384, 25369), (388, 25387), (402, 25456),

Gene: LilTurb_33 Start: 23263, Stop: 25467, Start Num: 12
Candidate Starts for LilTurb_33:
(Start: 12 @23263 has 34 MA's), (30, 23377), (32, 23386), (38, 23419), (51, 23476), (73, 23614), (106, 23803), (124, 23938), (128, 23980), (135, 24052), (170, 24292), (173, 24310), (178, 24334), (191, 24442), (208, 24535), (216, 24574), (228, 24664), (239, 24721), (240, 24724), (251, 24781), (253, 24787), (257, 24826), (260, 24847), (289, 25036), (297, 25063), (339, 25216), (346, 25240), (360, 25294), (362, 25297), (375, 25336), (377, 25342), (388, 25390),

Gene: Lilith_33 Start: 23270, Stop: 25027, Start Num: 7
Candidate Starts for Lilith_33:
(Start: 7 @23270 has 124 MA's), (30, 23405), (45, 23471), (52, 23516), (58, 23552), (79, 23684), (105, 23720), (141, 23741), (156, 23798), (168, 23858), (181, 23912), (185, 23972), (206, 24092), (207, 24095), (221, 24164), (223, 24188), (239, 24281), (244, 24302), (253, 24347), (308, 24677), (327, 24746), (347, 24809), (394, 24980),

Gene: Lilleskat_33 Start: 24389, Stop: 26143, Start Num: 14
Candidate Starts for Lilleskat_33:
(Start: 9 @24377 has 32 MA's), (Start: 14 @24389 has 3 MA's), (45, 24563), (59, 24653), (70, 24698), (71, 24707), (105, 24785), (140, 24809), (148, 24845), (170, 24974), (173, 24992), (208, 25217), (212, 25238), (216, 25256), (228, 25346), (239, 25403), (259, 25526), (277, 25649), (283, 25688), (295, 25745), (316, 25826), (322, 25847), (323, 25850), (350, 25940), (381, 26051), (398, 26126),

Gene: LionsBait_32 Start: 24478, Stop: 26265, Start Num: 12
Candidate Starts for LionsBait_32:
(Start: 12 @24478 has 34 MA's), (18, 24502), (30, 24592), (32, 24601), (38, 24634), (51, 24691), (65, 24784), (165, 25075), (170, 25096), (173, 25114), (178, 25138), (208, 25339), (216, 25378), (228, 25468), (239, 25525), (260, 25651), (273, 25756), (283, 25810), (316, 25948), (323, 25972), (350, 26062), (359, 26101), (369, 26125), (373, 26143), (398, 26248),

Gene: LittleB_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for LittleB_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: LittleGuy_31 Start: 22903, Stop: 24762, Start Num: 8

Candidate Starts for LittleGuy_31:
(Start: 8 @22903 has 170 MA's), (30, 23029), (Start: 34 @23053 has 1 MA's), (55, 23158), (56, 23164), (61, 23212), (65, 23221), (72, 23263), (79, 23308), (101, 23314), (145, 23419), (148, 23431), (159, 23509), (173, 23578), (217, 23860), (218, 23863), (231, 23968), (238, 23998), (255, 24103), (262, 24142), (266, 24169), (268, 24187), (326, 24478), (350, 24556), (353, 24568), (354, 24574), (366, 24613), (374, 24640), (376, 24646), (377, 24649), (397, 24739),

Gene: LochMonster_31 Start: 22932, Stop: 24788, Start Num: 8
Candidate Starts for LochMonster_31:
(Start: 8 @22932 has 170 MA's), (30, 23058), (Start: 34 @23082 has 1 MA's), (55, 23187), (56, 23193), (61, 23241), (65, 23250), (72, 23292), (79, 23337), (101, 23343), (145, 23448), (148, 23460), (157, 23523), (159, 23538), (173, 23607), (194, 23775), (205, 23835), (211, 23862), (217, 23889), (218, 23892), (231, 23997), (237, 24018), (238, 24027), (255, 24132), (268, 24216), (280, 24315), (324, 24501), (326, 24507), (342, 24552), (354, 24603), (355, 24606), (374, 24669), (377, 24678), (397, 24765),

Gene: Lokk_34 Start: 24358, Stop: 26142, Start Num: 12
Candidate Starts for Lokk_34:
(Start: 12 @24358 has 34 MA's), (18, 24382), (30, 24472), (32, 24481), (45, 24538), (153, 24886), (154, 24889), (170, 24976), (173, 24994), (178, 25018), (191, 25126), (208, 25219), (216, 25258), (228, 25348), (240, 25408), (249, 25459), (257, 25510), (260, 25531), (267, 25576), (280, 25675), (283, 25690), (287, 25708), (322, 25846), (328, 25867), (350, 25939), (354, 25957), (359, 25978), (367, 25999), (373, 26020), (388, 26080), (398, 26125),

Gene: LoneWolf_32 Start: 23970, Stop: 25736, Start Num: 9
Candidate Starts for LoneWolf_32:
(Start: 9 @23970 has 32 MA's), (45, 24156), (54, 24204), (59, 24246), (70, 24291), (71, 24300), (76, 24324), (104, 24369), (105, 24378), (140, 24402), (148, 24438), (170, 24567), (173, 24585), (179, 24615), (182, 24624), (204, 24783), (208, 24810), (216, 24849), (228, 24939), (239, 24996), (253, 25062), (259, 25119), (277, 25242), (283, 25281), (316, 25419), (322, 25440), (323, 25443), (342, 25500), (350, 25533), (381, 25644), (398, 25719),

Gene: Lorenzo_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Lorenzo_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237, 24046), (238, 24055), (255, 24160), (262, 24199), (268, 24244), (293, 24406), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Loser_35 Start: 25033, Stop: 26811, Start Num: 13
Candidate Starts for Loser_35:
(Start: 13 @25033 has 44 MA's), (30, 25144), (32, 25153), (39, 25186), (51, 25240), (56, 25276), (58, 25288), (59, 25300), (104, 25447), (105, 25456), (139, 25477), (141, 25489), (153, 25555), (165, 25624), (170, 25645), (173, 25663), (178, 25687), (189, 25786), (191, 25795), (216, 25927), (224, 25984), (228, 26017), (239, 26074), (249, 26128), (259, 26197), (277, 26320), (283, 26359), (295, 26413), (316, 26494), (322, 26515), (328, 26536), (350, 26608), (373, 26689),

Gene: Louie6_33 Start: 23364, Stop: 25115, Start Num: 7
Candidate Starts for Louie6_33:
(Start: 7 @23364 has 124 MA's), (30, 23499), (45, 23565), (52, 23610), (58, 23646), (75, 23757), (79, 23778), (105, 23814), (141, 23835), (168, 23952), (189, 24090), (206, 24186), (207, 24189), (221,

24258), (223, 24282), (230, 24327), (239, 24375), (253, 24441), (274, 24612), (276, 24618), (285, 24669), (296, 24714), (303, 24744), (316, 24792), (327, 24834), (332, 24849), (334, 24852), (343, 24876), (374, 24978), (375, 24981), (381, 25005),

Gene: Lowa_33 Start: 23269, Stop: 25026, Start Num: 7
Candidate Starts for Lowa_33:
(Start: 7 @23269 has 124 MA's), (30, 23404), (45, 23470), (52, 23515), (58, 23551), (79, 23683), (105, 23719), (141, 23740), (156, 23797), (168, 23857), (181, 23911), (185, 23971), (206, 24091), (207, 24094), (221, 24163), (223, 24187), (239, 24280), (244, 24301), (253, 24346), (308, 24676), (327, 24745), (347, 24808), (394, 24979),

Gene: Lucivia_31 Start: 23446, Stop: 25437, Start Num: 1
Candidate Starts for Lucivia_31:
(Start: 1 @23446 has 11 MA's), (Start: 10 @23557 has 5 MA's), (Start: 14 @23566 has 3 MA's), (23, 23623), (24, 23638), (25, 23656), (26, 23668), (35, 23716), (40, 23734), (41, 23737), (60, 23857), (82, 23971), (85, 23992), (89, 24010), (102, 24043), (158, 24226), (161, 24256), (162, 24259), (188, 24433), (190, 24439), (195, 24463), (198, 24469), (215, 24544), (225, 24607), (235, 24649), (237, 24655), (256, 24778), (264, 24826), (266, 24835), (280, 24952), (281, 24955), (289, 24997), (299, 25039), (307, 25075), (321, 25129), (337, 25180), (341, 25186), (344, 25192), (353, 25234), (379, 25324), (390, 25381), (398, 25420), (401, 25429),

Gene: LugYA_35 Start: 23277, Stop: 25034, Start Num: 7
Candidate Starts for LugYA_35:
(Start: 7 @23277 has 124 MA's), (30, 23412), (45, 23478), (52, 23523), (58, 23559), (79, 23691), (105, 23727), (141, 23748), (156, 23805), (168, 23865), (181, 23919), (185, 23979), (206, 24099), (207, 24102), (221, 24171), (223, 24195), (239, 24288), (244, 24309), (253, 24354), (308, 24684), (327, 24753), (347, 24816), (394, 24987),

Gene: Lunsford_32 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for Lunsford_32:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (72, 23317), (79, 23362), (101, 23368), (145, 23473), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (268, 24241), (295, 24409), (324, 24526), (326, 24532), (342, 24577), (354, 24628), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: MA5_31 Start: 22455, Stop: 24314, Start Num: 7
Candidate Starts for MA5_31:
(Start: 7 @22455 has 124 MA's), (22, 22533), (32, 22599), (45, 22656), (57, 22731), (101, 22875), (104, 22896), (112, 22923), (146, 22998), (154, 23049), (170, 23136), (173, 23154), (178, 23178), (216, 23418), (228, 23508), (259, 23688), (266, 23730), (273, 23796), (277, 23811), (280, 23835), (315, 23982), (323, 24012), (361, 24141), (388, 24234), (392, 24261), (397, 24285), (398, 24291),

Gene: MK4_31 Start: 22761, Stop: 24620, Start Num: 7
Candidate Starts for MK4_31:
(Start: 7 @22761 has 124 MA's), (29, 22887), (32, 22905), (Start: 34 @22920 has 1 MA's), (45, 22962), (55, 23025), (100, 23178), (101, 23181), (104, 23202), (112, 23229), (146, 23304), (154, 23355), (170, 23442), (173, 23460), (178, 23484), (197, 23622), (216, 23724), (224, 23781), (228, 23814), (247, 23907), (251, 23931), (266, 24036), (273, 24102), (277, 24117), (315, 24288), (347, 24393), (361, 24447), (375, 24486), (388, 24540), (392, 24567), (397, 24591),

Gene: MaCh_31 Start: 23388, Stop: 25376, Start Num: 1
Candidate Starts for MaCh_31:

(Start: 1 @23388 has 11 MA's), (Start: 10 @23499 has 5 MA's), (Start: 14 @23508 has 3 MA's), (23, 23565), (24, 23580), (25, 23598), (26, 23610), (35, 23658), (40, 23676), (41, 23679), (60, 23799), (82, 23913), (85, 23934), (89, 23952), (102, 23985), (158, 24168), (161, 24198), (162, 24201), (188, 24375), (190, 24381), (195, 24405), (198, 24411), (215, 24486), (225, 24549), (235, 24591), (237, 24597), (256, 24720), (264, 24768), (266, 24777), (280, 24894), (281, 24897), (289, 24939), (299, 24981), (307, 25017), (321, 25071), (379, 25263), (390, 25320), (398, 25359), (401, 25368),

Gene: MadMarie_33 Start: 23279, Stop: 25036, Start Num: 7
Candidate Starts for MadMarie_33:
(Start: 7 @23279 has 124 MA's), (30, 23414), (45, 23480), (52, 23525), (58, 23561), (79, 23693), (105, 23729), (141, 23750), (156, 23807), (168, 23867), (181, 23921), (185, 23981), (206, 24101), (207, 24104), (221, 24173), (223, 24197), (239, 24290), (244, 24311), (253, 24356), (308, 24686), (327, 24755), (347, 24818), (394, 24989),

Gene: Mainiac_33 Start: 23270, Stop: 25027, Start Num: 7
Candidate Starts for Mainiac_33:
(Start: 7 @23270 has 124 MA's), (30, 23405), (45, 23471), (52, 23516), (58, 23552), (79, 23684), (105, 23720), (141, 23741), (156, 23798), (168, 23858), (181, 23912), (185, 23972), (206, 24092), (207, 24095), (221, 24164), (223, 24188), (239, 24281), (244, 24302), (253, 24347), (308, 24677), (327, 24746), (347, 24809), (394, 24980),

Gene: MajorMajor_30 Start: 21646, Stop: 23397, Start Num: 13
Candidate Starts for MajorMajor_30:
(Start: 13 @21646 has 44 MA's), (18, 21667), (32, 21766), (Start: 34 @21781 has 1 MA's), (51, 21856), (59, 21916), (78, 22027), (83, 22060), (86, 22084), (88, 22090), (111, 22162), (147, 22237), (151, 22270), (158, 22300), (206, 22588), (227, 22708), (241, 22777), (276, 23008), (290, 23083), (293, 23095), (295, 23104), (305, 23143), (370, 23338), (379, 23365), (380, 23368), (382, 23380),

Gene: Malinsilva_35 Start: 23269, Stop: 25026, Start Num: 7
Candidate Starts for Malinsilva_35:
(Start: 7 @23269 has 124 MA's), (30, 23404), (45, 23470), (52, 23515), (58, 23551), (79, 23683), (105, 23719), (141, 23740), (156, 23797), (168, 23857), (181, 23911), (185, 23971), (206, 24091), (207, 24094), (221, 24163), (223, 24187), (239, 24280), (244, 24301), (253, 24346), (308, 24676), (327, 24745), (347, 24808), (394, 24979),

Gene: Maminiaina_32 Start: 23915, Stop: 25681, Start Num: 9
Candidate Starts for Maminiaina_32:
(Start: 9 @23915 has 32 MA's), (39, 24080), (45, 24101), (56, 24167), (58, 24179), (59, 24191), (70, 24236), (71, 24245), (73, 24254), (104, 24314), (105, 24323), (140, 24347), (148, 24383), (161, 24476), (170, 24512), (173, 24530), (208, 24755), (212, 24776), (216, 24794), (228, 24884), (239, 24941), (247, 24977), (259, 25064), (277, 25187), (280, 25211), (283, 25226), (295, 25283), (322, 25385), (323, 25388), (350, 25478), (381, 25589), (398, 25664),

Gene: Manu_34 Start: 23361, Stop: 25169, Start Num: 7
Candidate Starts for Manu_34:
(Start: 7 @23361 has 124 MA's), (30, 23496), (45, 23562), (52, 23607), (58, 23643), (73, 23733), (76, 23757), (104, 23802), (139, 23832), (170, 24000), (173, 24018), (178, 24042), (201, 24204), (208, 24243), (216, 24282), (228, 24372), (257, 24534), (260, 24555), (271, 24642), (280, 24699), (283, 24714), (298, 24777), (316, 24852), (322, 24873), (350, 24966), (359, 25005), (373, 25047), (397, 25146),

Gene: MarQuardt_33 Start: 23278, Stop: 25035, Start Num: 7
Candidate Starts for MarQuardt_33:

(Start: 7 @23278 has 124 MA's), (30, 23413), (45, 23479), (52, 23524), (58, 23560), (79, 23692), (105, 23728), (141, 23749), (156, 23806), (168, 23866), (181, 23920), (185, 23980), (206, 24100), (207, 24103), (221, 24172), (223, 24196), (239, 24289), (244, 24310), (253, 24355), (308, 24685), (327, 24754), (347, 24817), (394, 24988),

Gene: Marchesa_31 Start: 22890, Stop: 24749, Start Num: 7
Candidate Starts for Marchesa_31:
(Start: 7 @22890 has 124 MA's), (29, 23016), (30, 23025), (45, 23091), (49, 23112), (55, 23154), (101, 23310), (112, 23358), (144, 23427), (146, 23433), (150, 23463), (170, 23571), (173, 23589), (178, 23613), (216, 23853), (228, 23943), (251, 24060), (266, 24165), (273, 24231), (277, 24246), (315, 24417), (347, 24522), (361, 24576), (375, 24615), (388, 24669), (392, 24696), (397, 24720),

Gene: Margo_32 Start: 23399, Stop: 25258, Start Num: 7
Candidate Starts for Margo_32:
(Start: 7 @23399 has 124 MA's), (32, 23543), (45, 23600), (49, 23621), (55, 23663), (58, 23681), (104, 23840), (112, 23867), (150, 23972), (154, 23993), (170, 24080), (178, 24122), (216, 24362), (228, 24452), (239, 24509), (266, 24674), (272, 24728), (273, 24740), (277, 24755), (304, 24884), (306, 24896), (323, 24956), (326, 24968), (344, 25013), (347, 25031), (388, 25178), (392, 25205), (398, 25235),

Gene: Marie_33 Start: 23276, Stop: 25033, Start Num: 7
Candidate Starts for Marie_33:
(Start: 7 @23276 has 124 MA's), (30, 23411), (45, 23477), (52, 23522), (58, 23558), (79, 23690), (105, 23726), (141, 23747), (156, 23804), (168, 23864), (181, 23918), (185, 23978), (206, 24098), (207, 24101), (221, 24170), (223, 24194), (239, 24287), (244, 24308), (253, 24353), (308, 24683), (327, 24752), (347, 24815), (394, 24986),

Gene: Marius_34 Start: 23361, Stop: 25169, Start Num: 7
Candidate Starts for Marius_34:
(Start: 7 @23361 has 124 MA's), (30, 23496), (45, 23562), (52, 23607), (58, 23643), (73, 23733), (76, 23757), (104, 23802), (139, 23832), (170, 24000), (173, 24018), (178, 24042), (201, 24204), (208, 24243), (216, 24282), (228, 24372), (257, 24534), (260, 24555), (271, 24642), (280, 24699), (283, 24714), (298, 24777), (316, 24852), (322, 24873), (350, 24966), (359, 25005), (373, 25047), (397, 25146),

Gene: Maverick_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Maverick_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237, 24046), (238, 24055), (255, 24160), (262, 24199), (268, 24244), (293, 24406), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Maxo_31 Start: 22958, Stop: 24814, Start Num: 8
Candidate Starts for Maxo_31:
(Start: 8 @22958 has 170 MA's), (30, 23084), (Start: 34 @23108 has 1 MA's), (55, 23213), (56, 23219), (61, 23267), (65, 23276), (72, 23318), (79, 23363), (101, 23369), (145, 23474), (148, 23486), (159, 23564), (173, 23633), (205, 23861), (210, 23885), (211, 23888), (217, 23915), (218, 23918), (231, 24023), (238, 24053), (240, 24068), (255, 24158), (262, 24197), (266, 24224), (268, 24242), (280, 24341), (324, 24527), (342, 24578), (355, 24632), (374, 24695), (377, 24704), (397, 24791),

Gene: Mayonnaise_31 Start: 22960, Stop: 24816, Start Num: 8

Candidate Starts for Mayonnaise_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237, 24046), (238, 24055), (255, 24160), (262, 24199), (268, 24244), (293, 24406), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Mazhar510_31 Start: 22961, Stop: 24817, Start Num: 8
Candidate Starts for Mazhar510_31:
(Start: 8 @22961 has 170 MA's), (30, 23087), (Start: 34 @23111 has 1 MA's), (55, 23216), (56, 23222), (61, 23270), (72, 23321), (79, 23366), (101, 23372), (145, 23477), (148, 23489), (159, 23567), (173, 23636), (205, 23864), (210, 23888), (211, 23891), (217, 23918), (218, 23921), (231, 24026), (237, 24047), (238, 24056), (255, 24161), (262, 24200), (268, 24245), (293, 24407), (295, 24413), (324, 24530), (326, 24536), (342, 24581), (354, 24632), (355, 24635), (374, 24698), (377, 24707), (397, 24794),

Gene: Medusa_31 Start: 22961, Stop: 24817, Start Num: 8
Candidate Starts for Medusa_31:
(Start: 8 @22961 has 170 MA's), (30, 23087), (Start: 34 @23111 has 1 MA's), (55, 23216), (56, 23222), (61, 23270), (65, 23279), (72, 23321), (79, 23366), (101, 23372), (145, 23477), (148, 23489), (159, 23567), (173, 23636), (205, 23864), (210, 23888), (211, 23891), (217, 23918), (218, 23921), (231, 24026), (238, 24056), (240, 24071), (255, 24161), (262, 24200), (268, 24245), (295, 24413), (324, 24530), (326, 24536), (342, 24581), (354, 24632), (355, 24635), (374, 24698), (377, 24707), (397, 24794),

Gene: MeeZee_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for MeeZee_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237, 24046), (238, 24055), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Melvin_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Melvin_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Methuselah_32 Start: 23360, Stop: 25111, Start Num: 7
Candidate Starts for Methuselah_32:
(Start: 7 @23360 has 124 MA's), (30, 23495), (43, 23552), (45, 23561), (52, 23606), (58, 23642), (75, 23753), (79, 23774), (105, 23810), (141, 23831), (168, 23948), (189, 24086), (206, 24182), (207, 24185), (221, 24254), (223, 24278), (230, 24323), (239, 24371), (253, 24437), (274, 24608), (276, 24614), (285, 24665), (296, 24710), (303, 24740), (316, 24788), (327, 24830), (332, 24845), (334, 24848), (343, 24872), (374, 24974), (375, 24977), (381, 25001),

Gene: Microwolf_33 Start: 23278, Stop: 25035, Start Num: 7

Candidate Starts for Microwolf_33:
(Start: 7 @23278 has 124 MA's), (30, 23413), (45, 23479), (52, 23524), (58, 23560), (79, 23692), (105, 23728), (141, 23749), (156, 23806), (168, 23866), (181, 23920), (185, 23980), (206, 24100), (207, 24103), (221, 24172), (223, 24196), (239, 24289), (244, 24310), (253, 24355), (308, 24685), (327, 24754), (347, 24817), (394, 24988),

Gene: MiculUcigas_31 Start: 22775, Stop: 24997, Start Num: 12
Candidate Starts for MiculUcigas_31:
(Start: 12 @22775 has 34 MA's), (30, 22889), (33, 22904), (76, 23150), (84, 23204), (106, 23315), (113, 23354), (124, 23450), (133, 23552), (170, 23801), (176, 23831), (178, 23843), (203, 24014), (216, 24083), (228, 24182), (249, 24293), (251, 24299), (253, 24305), (257, 24344), (265, 24401), (266, 24404), (273, 24470), (289, 24554), (306, 24626), (338, 24746), (371, 24857), (386, 24908), (388, 24920),

Gene: Miko_34 Start: 24326, Stop: 26263, Start Num: 12
Candidate Starts for Miko_34:
(Start: 12 @24326 has 34 MA's), (18, 24350), (30, 24440), (32, 24449), (45, 24506), (153, 25007), (170, 25097), (173, 25115), (178, 25139), (191, 25247), (208, 25340), (216, 25379), (228, 25469), (240, 25529), (257, 25631), (260, 25652), (280, 25796), (283, 25811), (322, 25967), (328, 25988), (350, 26060), (354, 26078), (367, 26120), (373, 26141), (388, 26201), (398, 26246),

Gene: Millski_30 Start: 22963, Stop: 24819, Start Num: 8
Candidate Starts for Millski_30:
(Start: 8 @22963 has 170 MA's), (30, 23089), (Start: 34 @23113 has 1 MA's), (55, 23218), (56, 23224), (61, 23272), (65, 23281), (72, 23323), (79, 23368), (101, 23374), (145, 23479), (148, 23491), (159, 23569), (173, 23638), (205, 23866), (210, 23890), (211, 23893), (217, 23920), (218, 23923), (231, 24028), (238, 24058), (240, 24073), (255, 24163), (262, 24202), (268, 24247), (295, 24415), (324, 24532), (326, 24538), (342, 24583), (354, 24634), (355, 24637), (374, 24700), (377, 24709), (397, 24796),

Gene: Miramae_31 Start: 22903, Stop: 24762, Start Num: 8
Candidate Starts for Miramae_31:
(Start: 8 @22903 has 170 MA's), (21, 22969), (Start: 34 @23053 has 1 MA's), (38, 23071), (49, 23116), (56, 23164), (65, 23221), (72, 23263), (101, 23314), (104, 23335), (114, 23368), (145, 23419), (148, 23431), (155, 23485), (159, 23509), (173, 23578), (205, 23806), (211, 23833), (217, 23860), (218, 23863), (231, 23971), (237, 23992), (238, 24001), (251, 24070), (255, 24106), (262, 24145), (270, 24214), (293, 24352), (324, 24475), (326, 24481), (374, 24643), (377, 24652),

Gene: Misomonster_35 Start: 23363, Stop: 25114, Start Num: 7
Candidate Starts for Misomonster_35:
(Start: 7 @23363 has 124 MA's), (30, 23498), (45, 23564), (52, 23609), (58, 23645), (75, 23756), (79, 23777), (105, 23813), (141, 23834), (168, 23951), (189, 24089), (206, 24185), (207, 24188), (221, 24257), (223, 24281), (230, 24326), (239, 24374), (253, 24440), (274, 24611), (276, 24617), (285, 24668), (296, 24713), (303, 24743), (316, 24791), (327, 24833), (332, 24848), (334, 24851), (343, 24875), (374, 24977), (375, 24980), (381, 25004),

Gene: MoneyMay_33 Start: 23276, Stop: 25033, Start Num: 7
Candidate Starts for MoneyMay_33:
(Start: 7 @23276 has 124 MA's), (30, 23411), (45, 23477), (52, 23522), (58, 23558), (79, 23690), (105, 23726), (141, 23747), (156, 23804), (168, 23864), (181, 23918), (185, 23978), (206, 24098), (207, 24101), (221, 24170), (223, 24194), (239, 24287), (244, 24308), (253, 24353), (308, 24683), (327, 24752), (347, 24815), (394, 24986),

Gene: Montavir_32 Start: 23277, Stop: 25034, Start Num: 7
Candidate Starts for Montavir_32:
(Start: 7 @23277 has 124 MA's), (30, 23412), (45, 23478), (52, 23523), (58, 23559), (79, 23691), (105, 23727), (141, 23748), (156, 23805), (168, 23865), (181, 23919), (185, 23979), (206, 24099), (207, 24102), (221, 24171), (223, 24195), (239, 24288), (244, 24309), (253, 24354), (308, 24684), (327, 24753), (347, 24816), (394, 24987),

Gene: Morpher26_31 Start: 22972, Stop: 24831, Start Num: 8
Candidate Starts for Morpher26_31:
(3, 22912), (Start: 8 @22972 has 170 MA's), (21, 23038), (27, 23083), (29, 23089), (Start: 34 @23122 has 1 MA's), (38, 23140), (49, 23185), (50, 23191), (51, 23197), (65, 23290), (67, 23305), (79, 23377), (114, 23437), (145, 23488), (148, 23500), (159, 23578), (173, 23647), (186, 23770), (192, 23794), (205, 23875), (214, 23920), (217, 23929), (218, 23932), (237, 24061), (238, 24070), (246, 24112), (251, 24139), (255, 24175), (259, 24202), (262, 24214), (282, 24370), (324, 24544), (326, 24550), (342, 24595), (354, 24646), (355, 24649), (366, 24685), (377, 24721),

Gene: Morrow_31 Start: 22963, Stop: 24819, Start Num: 8
Candidate Starts for Morrow_31:
(Start: 8 @22963 has 170 MA's), (30, 23089), (Start: 34 @23113 has 1 MA's), (55, 23218), (56, 23224), (61, 23272), (65, 23281), (72, 23323), (79, 23368), (101, 23374), (148, 23491), (159, 23569), (173, 23638), (205, 23866), (210, 23890), (211, 23893), (218, 23923), (231, 24028), (238, 24058), (240, 24073), (255, 24163), (262, 24202), (266, 24229), (268, 24247), (280, 24346), (324, 24532), (342, 24583), (355, 24637), (374, 24700), (377, 24709), (397, 24796),

Gene: MuchMore_35 Start: 23269, Stop: 25026, Start Num: 7
Candidate Starts for MuchMore_35:
(Start: 7 @23269 has 124 MA's), (30, 23404), (45, 23470), (52, 23515), (58, 23551), (79, 23683), (105, 23719), (141, 23740), (156, 23797), (168, 23857), (181, 23911), (185, 23971), (206, 24091), (207, 24094), (221, 24163), (223, 24187), (239, 24280), (244, 24301), (253, 24346), (308, 24676), (327, 24745), (347, 24808), (394, 24979),

Gene: Munch_31 Start: 23397, Stop: 25388, Start Num: 1
Candidate Starts for Munch_31:
(Start: 1 @23397 has 11 MA's), (Start: 10 @23508 has 5 MA's), (Start: 14 @23517 has 3 MA's), (23, 23574), (24, 23589), (25, 23607), (26, 23619), (35, 23667), (40, 23685), (41, 23688), (60, 23808), (82, 23922), (85, 23943), (89, 23961), (102, 23994), (158, 24177), (161, 24207), (162, 24210), (188, 24384), (190, 24390), (195, 24414), (198, 24420), (215, 24495), (225, 24558), (235, 24600), (237, 24606), (256, 24729), (264, 24777), (266, 24786), (280, 24903), (281, 24906), (289, 24948), (299, 24990), (307, 25026), (321, 25080), (337, 25131), (341, 25137), (344, 25143), (353, 25185), (379, 25275), (390, 25332), (398, 25371), (401, 25380),

Gene: Mundrea_31 Start: 22930, Stop: 24786, Start Num: 8
Candidate Starts for Mundrea_31:
(Start: 8 @22930 has 170 MA's), (Start: 34 @23080 has 1 MA's), (38, 23098), (42, 23110), (49, 23143), (51, 23155), (65, 23248), (67, 23263), (114, 23395), (145, 23446), (148, 23458), (159, 23536), (173, 23605), (205, 23833), (217, 23887), (218, 23890), (231, 23995), (237, 24016), (238, 24025), (255, 24130), (282, 24325), (295, 24382), (324, 24499), (326, 24505), (377, 24676),

Gene: MyraDee_29 Start: 20768, Stop: 22630, Start Num: 8
Candidate Starts for MyraDee_29:
(Start: 8 @20768 has 170 MA's), (15, 20789), (19, 20810), (31, 20894), (36, 20924), (58, 21038), (68, 21101), (69, 21107), (76, 21152), (159, 21344), (169, 21392), (173, 21413), (186, 21536), (191, 21557), (194, 21581), (217, 21695), (218, 21698), (231, 21806), (237, 21827), (238, 21836), (251,

21905), (255, 21941), (264, 21998), (273, 22085), (275, 22091), (306, 22250), (317, 22289), (320, 22304), (324, 22313), (326, 22319), (346, 22382), (364, 22457), (368, 22472), (372, 22487), (400, 22607),

Gene: Myxus_33 Start: 24377, Stop: 26143, Start Num: 9
Candidate Starts for Myxus_33:
(Start: 9 @24377 has 32 MA's), (Start: 14 @24389 has 3 MA's), (45, 24563), (59, 24653), (70, 24698), (71, 24707), (105, 24785), (140, 24809), (148, 24845), (170, 24974), (173, 24992), (208, 25217), (212, 25238), (216, 25256), (228, 25346), (239, 25403), (259, 25526), (277, 25649), (283, 25688), (295, 25745), (316, 25826), (322, 25847), (323, 25850), (350, 25940), (381, 26051), (398, 26126),

Gene: NaSiaTalie_31 Start: 22773, Stop: 24995, Start Num: 12
Candidate Starts for NaSiaTalie_31:
(Start: 12 @22773 has 34 MA's), (30, 22887), (32, 22896), (33, 22902), (37, 22923), (46, 22959), (58, 23034), (73, 23124), (74, 23136), (106, 23313), (113, 23352), (124, 23448), (170, 23799), (176, 23829), (178, 23841), (203, 24012), (216, 24081), (228, 24180), (249, 24291), (251, 24297), (253, 24303), (257, 24342), (265, 24399), (266, 24402), (273, 24468), (289, 24552), (306, 24624), (343, 24750), (344, 24753), (371, 24855), (377, 24870), (388, 24918),

Gene: Nebs_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for Nebs_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (266, 24223), (268, 24241), (280, 24340), (324, 24526), (342, 24577), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: Nemo27_31 Start: 22959, Stop: 24815, Start Num: 8
Candidate Starts for Nemo27_31:
(Start: 8 @22959 has 170 MA's), (30, 23085), (Start: 34 @23109 has 1 MA's), (55, 23214), (56, 23220), (61, 23268), (65, 23277), (72, 23319), (79, 23364), (101, 23370), (145, 23475), (148, 23487), (159, 23565), (173, 23634), (205, 23862), (210, 23886), (211, 23889), (217, 23916), (218, 23919), (231, 24024), (237, 24045), (238, 24054), (255, 24159), (262, 24198), (268, 24243), (293, 24405), (295, 24411), (324, 24528), (326, 24534), (342, 24579), (354, 24630), (355, 24633), (374, 24696), (377, 24705), (397, 24792),

Gene: Nergal_25 Start: 20708, Stop: 22390, Start Num: 34
Candidate Starts for Nergal_25:
(Start: 34 @20708 has 1 MA's), (50, 20774), (115, 21074), (187, 21374), (213, 21488), (222, 21542), (225, 21566), (226, 21578), (235, 21617), (248, 21686), (250, 21701), (257, 21749), (276, 21893), (280, 21923), (285, 21944), (287, 21956), (289, 21968), (331, 22127), (343, 22151), (344, 22154), (345, 22157), (355, 22196), (373, 22250), (387, 22310), (395, 22358),

Gene: NicoleTera_35 Start: 24630, Stop: 26411, Start Num: 12
Candidate Starts for NicoleTera_35:
(Start: 12 @24630 has 34 MA's), (30, 24744), (32, 24753), (51, 24840), (149, 25128), (170, 25245), (173, 25263), (178, 25287), (208, 25488), (216, 25527), (257, 25779), (259, 25797), (273, 25905), (280, 25944), (283, 25959), (291, 25989), (322, 26115), (328, 26136), (350, 26208), (367, 26268), (373, 26289), (398, 26394),

Gene: Noella_32 Start: 23374, Stop: 25233, Start Num: 7
Candidate Starts for Noella_32:

(Start: 7 @23374 has 124 MA's), (32, 23518), (35, 23536), (45, 23575), (49, 23596), (55, 23638), (58, 23656), (104, 23815), (112, 23842), (150, 23947), (154, 23968), (170, 24055), (178, 24097), (216, 24337), (228, 24427), (239, 24484), (266, 24649), (272, 24703), (273, 24715), (277, 24730), (304, 24859), (306, 24871), (323, 24931), (326, 24943), (344, 24988), (347, 25006), (388, 25153), (392, 25180), (398, 25210),

Gene: Noelle_31 Start: 23041, Stop: 24900, Start Num: 8
Candidate Starts for Noelle_31:
(Start: 8 @23041 has 170 MA's), (35, 23194), (44, 23227), (45, 23233), (49, 23254), (51, 23266), (62, 23353), (67, 23374), (104, 23473), (145, 23557), (148, 23569), (158, 23635), (159, 23647), (173, 23716), (205, 23944), (214, 23989), (217, 23998), (218, 24001), (237, 24130), (238, 24139), (246, 24181), (251, 24208), (255, 24244), (259, 24271), (262, 24283), (266, 24310), (282, 24439), (295, 24496), (297, 24499), (324, 24613), (326, 24619), (347, 24685), (354, 24715), (375, 24784), (377, 24790),

Gene: Norbert_31 Start: 23373, Stop: 25232, Start Num: 7
Candidate Starts for Norbert_31:
(Start: 7 @23373 has 124 MA's), (32, 23517), (35, 23535), (45, 23574), (49, 23595), (55, 23637), (58, 23655), (104, 23814), (112, 23841), (150, 23946), (154, 23967), (170, 24054), (178, 24096), (216, 24336), (228, 24426), (239, 24483), (266, 24648), (272, 24702), (273, 24714), (277, 24729), (304, 24858), (306, 24870), (323, 24930), (326, 24942), (344, 24987), (347, 25005), (388, 25152), (392, 25179), (398, 25209),

Gene: NorthStar_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for NorthStar_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (155, 23542), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Northrop_31 Start: 22956, Stop: 24812, Start Num: 8
Candidate Starts for Northrop_31:
(Start: 8 @22956 has 170 MA's), (30, 23082), (Start: 34 @23106 has 1 MA's), (55, 23211), (56, 23217), (61, 23265), (65, 23274), (72, 23316), (79, 23361), (101, 23367), (145, 23472), (148, 23484), (159, 23562), (173, 23631), (205, 23859), (210, 23883), (211, 23886), (217, 23913), (218, 23916), (231, 24021), (237, 24042), (238, 24051), (255, 24156), (262, 24195), (268, 24240), (295, 24408), (324, 24525), (326, 24531), (342, 24576), (354, 24627), (355, 24630), (374, 24693), (377, 24702), (397, 24789),

Gene: NotAPhaseMom_31 Start: 22964, Stop: 24820, Start Num: 8
Candidate Starts for NotAPhaseMom_31:
(Start: 8 @22964 has 170 MA's), (30, 23090), (Start: 34 @23114 has 1 MA's), (55, 23219), (56, 23225), (61, 23273), (65, 23282), (72, 23324), (79, 23369), (101, 23375), (145, 23480), (148, 23492), (159, 23570), (173, 23639), (205, 23867), (210, 23891), (211, 23894), (217, 23921), (218, 23924), (231, 24029), (237, 24050), (238, 24059), (255, 24164), (262, 24203), (268, 24248), (293, 24410), (295, 24416), (324, 24533), (326, 24539), (342, 24584), (354, 24635), (374, 24701), (377, 24710), (397, 24797),

Gene: NothingSpecial_33 Start: 24784, Stop: 26571, Start Num: 13
Candidate Starts for NothingSpecial_33:

(Start: 13 @24784 has 44 MA's), (18, 24805), (28, 24883), (30, 24895), (31, 24898), (32, 24904), (33, 24910), (48, 24979), (59, 25057), (141, 25246), (170, 25402), (173, 25420), (178, 25444), (208, 25645), (228, 25774), (233, 25795), (239, 25831), (253, 25897), (260, 25957), (283, 26116), (285, 26122), (298, 26179), (300, 26191), (322, 26275), (350, 26368), (359, 26407), (373, 26449), (387, 26503), (395, 26539),

Gene: Nyxis_31 Start: 22903, Stop: 24762, Start Num: 8
Candidate Starts for Nyxis_31:
(Start: 8 @22903 has 170 MA's), (30, 23029), (Start: 34 @23053 has 1 MA's), (55, 23158), (56, 23164), (61, 23212), (65, 23221), (72, 23263), (79, 23308), (101, 23314), (148, 23431), (159, 23509), (173, 23578), (217, 23860), (218, 23863), (231, 23968), (238, 23998), (255, 24103), (262, 24142), (266, 24169), (268, 24187), (326, 24478), (350, 24556), (353, 24568), (354, 24574), (366, 24613), (374, 24640), (376, 24646), (377, 24649), (397, 24739),

Gene: OKCentral2016_32 Start: 22976, Stop: 24811, Start Num: 8
Candidate Starts for OKCentral2016_32:
(Start: 8 @22976 has 170 MA's), (16, 23009), (20, 23024), (73, 23336), (76, 23360), (79, 23378), (80, 23381), (81, 23384), (83, 23405), (87, 23432), (170, 23645), (173, 23663), (178, 23687), (196, 23822), (199, 23831), (216, 23927), (224, 23984), (228, 24017), (249, 24128), (259, 24197), (273, 24305), (277, 24320), (283, 24359), (285, 24365), (300, 24431), (316, 24494), (322, 24515), (323, 24518), (324, 24524), (328, 24536), (346, 24593), (350, 24608), (352, 24617), (369, 24671), (373, 24689), (388, 24749), (398, 24794), (399, 24797),

Gene: OKaNui_32 Start: 23013, Stop: 24869, Start Num: 8
Candidate Starts for OKaNui_32:
(Start: 8 @23013 has 170 MA's), (30, 23139), (Start: 34 @23163 has 1 MA's), (55, 23268), (56, 23274), (61, 23322), (65, 23331), (72, 23373), (79, 23418), (101, 23424), (145, 23529), (148, 23541), (155, 23595), (159, 23619), (173, 23688), (194, 23856), (205, 23916), (210, 23940), (211, 23943), (214, 23961), (217, 23970), (218, 23973), (231, 24078), (238, 24108), (240, 24123), (255, 24213), (262, 24252), (268, 24297), (295, 24465), (324, 24582), (326, 24588), (342, 24633), (354, 24684), (355, 24687), (374, 24750), (377, 24759), (397, 24846),

Gene: Obama12_32 Start: 23276, Stop: 25132, Start Num: 8
Candidate Starts for Obama12_32:
(Start: 8 @23276 has 170 MA's), (30, 23402), (Start: 34 @23426 has 1 MA's), (55, 23531), (56, 23537), (61, 23585), (72, 23636), (101, 23687), (145, 23792), (148, 23804), (159, 23882), (173, 23951), (194, 24119), (200, 24149), (205, 24179), (210, 24203), (211, 24206), (217, 24233), (218, 24236), (231, 24341), (237, 24362), (238, 24371), (262, 24515), (268, 24560), (293, 24722), (324, 24845), (342, 24896), (374, 25013), (377, 25022), (397, 25109),

Gene: Odin_30 Start: 21523, Stop: 23199, Start Num: 13
Candidate Starts for Odin_30:
(Start: 10 @21517 has 5 MA's), (Start: 13 @21523 has 44 MA's), (32, 21643), (38, 21676), (39, 21679), (46, 21706), (59, 21793), (83, 21880), (116, 21982), (177, 22204), (206, 22390), (227, 22510), (276, 22810), (290, 22885), (295, 22906), (305, 22945), (337, 23035), (370, 23140), (379, 23167), (380, 23170), (382, 23182),

Gene: Ohfah_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for Ohfah_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (266, 24223), (268, 24241), (280, 24340), (324,

24526), (342, 24577), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: OlanP_33 Start: 23541, Stop: 25349, Start Num: 7
Candidate Starts for OlanP_33:
(Start: 7 @23541 has 124 MA's), (30, 23676), (45, 23742), (52, 23787), (58, 23823), (73, 23913), (76, 23937), (104, 23982), (139, 24012), (170, 24180), (173, 24198), (178, 24222), (201, 24384), (208, 24423), (216, 24462), (224, 24519), (228, 24552), (257, 24714), (260, 24735), (271, 24822), (280, 24879), (283, 24894), (298, 24957), (316, 25032), (322, 25053), (350, 25146), (359, 25185), (373, 25227), (397, 25326),

Gene: Ollie_33 Start: 23147, Stop: 24904, Start Num: 7
Candidate Starts for Ollie_33:
(Start: 7 @23147 has 124 MA's), (30, 23282), (45, 23348), (52, 23393), (58, 23429), (79, 23561), (105, 23597), (141, 23618), (156, 23675), (168, 23735), (181, 23789), (185, 23849), (206, 23969), (207, 23972), (221, 24041), (223, 24065), (239, 24158), (244, 24179), (253, 24224), (308, 24554), (327, 24623), (347, 24686), (394, 24857),

Gene: Onglai_32 Start: 22711, Stop: 24477, Start Num: 9
Candidate Starts for Onglai_32:
(Start: 9 @22711 has 32 MA's), (Start: 14 @22723 has 3 MA's), (45, 22897), (59, 22987), (70, 23032), (71, 23041), (105, 23119), (140, 23143), (148, 23179), (170, 23308), (173, 23326), (208, 23551), (212, 23572), (216, 23590), (228, 23680), (239, 23737), (259, 23860), (277, 23983), (283, 24022), (295, 24079), (316, 24160), (322, 24181), (323, 24184), (346, 24259), (350, 24274), (381, 24385), (398, 24460),

Gene: P28Green_33 Start: 23278, Stop: 25035, Start Num: 7
Candidate Starts for P28Green_33:
(Start: 7 @23278 has 124 MA's), (30, 23413), (45, 23479), (52, 23524), (58, 23560), (79, 23692), (105, 23728), (141, 23749), (156, 23806), (168, 23866), (181, 23920), (185, 23980), (206, 24100), (207, 24103), (221, 24172), (223, 24196), (239, 24289), (244, 24310), (253, 24355), (308, 24685), (327, 24754), (347, 24817), (394, 24988),

Gene: PGHhamlin_35 Start: 23269, Stop: 25026, Start Num: 7
Candidate Starts for PGHhamlin_35:
(Start: 7 @23269 has 124 MA's), (30, 23404), (45, 23470), (52, 23515), (58, 23551), (79, 23683), (105, 23719), (141, 23740), (156, 23797), (168, 23857), (181, 23911), (185, 23971), (206, 24091), (207, 24094), (221, 24163), (223, 24187), (239, 24280), (244, 24301), (253, 24346), (308, 24676), (327, 24745), (347, 24808), (394, 24979),

Gene: PackMan_33 Start: 24377, Stop: 26143, Start Num: 9
Candidate Starts for PackMan_33:
(Start: 9 @24377 has 32 MA's), (Start: 14 @24389 has 3 MA's), (45, 24563), (59, 24653), (70, 24698), (71, 24707), (105, 24785), (140, 24809), (148, 24845), (170, 24974), (173, 24992), (208, 25217), (212, 25238), (216, 25256), (228, 25346), (239, 25403), (259, 25526), (277, 25649), (283, 25688), (295, 25745), (316, 25826), (322, 25847), (323, 25850), (350, 25940), (381, 26051), (398, 26126),

Gene: Palestino_30 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Palestino_30:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (74, 23335), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237, 24046), (238, 24055), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377,

24706), (397, 24793),

Gene: Panamaxus_31 Start: 23373, Stop: 25232, Start Num: 7
Candidate Starts for Panamaxus_31:
(Start: 7 @23373 has 124 MA's), (32, 23517), (35, 23535), (45, 23574), (49, 23595), (55, 23637), (58, 23655), (104, 23814), (112, 23841), (150, 23946), (154, 23967), (170, 24054), (178, 24096), (216, 24336), (228, 24426), (239, 24483), (266, 24648), (272, 24702), (273, 24714), (277, 24729), (304, 24858), (306, 24870), (323, 24930), (326, 24942), (344, 24987), (347, 25005), (388, 25152), (392, 25179), (398, 25209),

Gene: Pawn_33 Start: 23361, Stop: 25169, Start Num: 7
Candidate Starts for Pawn_33:
(Start: 7 @23361 has 124 MA's), (30, 23496), (45, 23562), (52, 23607), (58, 23643), (73, 23733), (76, 23757), (104, 23802), (139, 23832), (170, 24000), (173, 24018), (178, 24042), (201, 24204), (208, 24243), (216, 24282), (228, 24372), (257, 24534), (260, 24555), (271, 24642), (280, 24699), (283, 24714), (298, 24777), (316, 24852), (322, 24873), (350, 24966), (359, 25005), (373, 25047), (397, 25146),

Gene: PeaceMeal1_31 Start: 21407, Stop: 23689, Start Num: 8
Candidate Starts for PeaceMeal1_31:
(Start: 8 @21407 has 170 MA's), (16, 21440), (29, 21524), (44, 21590), (65, 21722), (83, 21836), (84, 21845), (93, 21929), (99, 22004), (106, 22082), (119, 22157), (125, 22247), (143, 22373), (153, 22430), (170, 22520), (173, 22538), (178, 22562), (208, 22763), (216, 22802), (228, 22892), (239, 22949), (257, 23054), (260, 23075), (262, 23084), (264, 23102), (266, 23114), (273, 23180), (280, 23219), (283, 23234), (285, 23240), (292, 23273), (316, 23372), (322, 23393), (323, 23396), (342, 23453), (346, 23471), (347, 23474), (350, 23486), (359, 23525), (373, 23567), (374, 23570), (398, 23672),

Gene: Peaches_31 Start: 22959, Stop: 24815, Start Num: 8
Candidate Starts for Peaches_31:
(Start: 8 @22959 has 170 MA's), (30, 23085), (Start: 34 @23109 has 1 MA's), (55, 23214), (56, 23220), (61, 23268), (65, 23277), (72, 23319), (79, 23364), (101, 23370), (145, 23475), (148, 23487), (159, 23565), (173, 23634), (205, 23862), (210, 23886), (211, 23889), (217, 23916), (218, 23919), (231, 24024), (238, 24054), (240, 24069), (255, 24159), (262, 24198), (268, 24243), (295, 24411), (324, 24528), (326, 24534), (342, 24579), (354, 24630), (355, 24633), (374, 24696), (377, 24705), (397, 24792),

Gene: Pembroke_33 Start: 23278, Stop: 25035, Start Num: 7
Candidate Starts for Pembroke_33:
(Start: 7 @23278 has 124 MA's), (30, 23413), (45, 23479), (52, 23524), (58, 23560), (79, 23692), (105, 23728), (141, 23749), (156, 23806), (168, 23866), (181, 23920), (185, 23980), (206, 24100), (207, 24103), (221, 24172), (223, 24196), (239, 24289), (244, 24310), (253, 24355), (308, 24685), (327, 24754), (347, 24817), (394, 24988),

Gene: Penny1_33 Start: 23277, Stop: 25034, Start Num: 7
Candidate Starts for Penny1_33:
(Start: 7 @23277 has 124 MA's), (30, 23412), (45, 23478), (52, 23523), (58, 23559), (79, 23691), (105, 23727), (141, 23748), (156, 23805), (168, 23865), (181, 23919), (185, 23979), (206, 24099), (207, 24102), (221, 24171), (223, 24195), (239, 24288), (244, 24309), (253, 24354), (308, 24684), (327, 24753), (347, 24816), (394, 24987),

Gene: Perplexer_31 Start: 22969, Stop: 24828, Start Num: 8
Candidate Starts for Perplexer_31:

(3, 22909), (Start: 8 @22969 has 170 MA's), (21, 23035), (27, 23080), (29, 23086), (Start: 34 @23119 has 1 MA's), (38, 23137), (49, 23182), (50, 23188), (51, 23194), (65, 23287), (67, 23302), (79, 23374), (114, 23434), (145, 23485), (148, 23497), (159, 23575), (173, 23644), (186, 23767), (192, 23791), (205, 23872), (214, 23917), (217, 23926), (218, 23929), (237, 24058), (238, 24067), (246, 24109), (251, 24136), (255, 24172), (259, 24199), (262, 24211), (282, 24367), (324, 24541), (326, 24547), (342, 24592), (354, 24643), (355, 24646), (366, 24682), (377, 24718),

Gene: PeterPeter_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for PeterPeter_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237, 24046), (238, 24055), (255, 24160), (262, 24199), (268, 24244), (293, 24406), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: PetiteSangsue_31 Start: 22972, Stop: 24831, Start Num: 8
Candidate Starts for PetiteSangsue_31:
(3, 22912), (Start: 8 @22972 has 170 MA's), (21, 23038), (27, 23083), (29, 23089), (Start: 34 @23122 has 1 MA's), (38, 23140), (49, 23185), (50, 23191), (51, 23197), (65, 23290), (67, 23305), (79, 23377), (114, 23437), (145, 23488), (148, 23500), (159, 23578), (173, 23647), (186, 23770), (192, 23794), (205, 23875), (214, 23920), (217, 23929), (218, 23932), (237, 24061), (238, 24070), (246, 24112), (251, 24139), (255, 24175), (259, 24202), (262, 24214), (282, 24370), (324, 24544), (326, 24550), (342, 24595), (354, 24646), (355, 24649), (366, 24685), (377, 24721),

Gene: Ph8s_32 Start: 21442, Stop: 23091, Start Num: 13
Candidate Starts for Ph8s_32:
(Start: 13 @21442 has 44 MA's), (30, 21553), (37, 21589), (56, 21688), (59, 21712), (86, 21880), (88, 21886), (227, 22504), (234, 22531), (244, 22585), (259, 22678), (264, 22708), (276, 22804), (290, 22876), (313, 22963), (318, 22972), (330, 23020),

Gene: Phacado_31 Start: 22959, Stop: 24815, Start Num: 8
Candidate Starts for Phacado_31:
(Start: 8 @22959 has 170 MA's), (30, 23085), (Start: 34 @23109 has 1 MA's), (55, 23214), (56, 23220), (61, 23268), (65, 23277), (72, 23319), (79, 23364), (101, 23370), (145, 23475), (148, 23487), (159, 23565), (173, 23634), (205, 23862), (210, 23886), (211, 23889), (217, 23916), (218, 23919), (231, 24024), (237, 24045), (238, 24054), (255, 24159), (262, 24198), (268, 24243), (293, 24405), (295, 24411), (324, 24528), (326, 24534), (342, 24579), (354, 24630), (355, 24633), (374, 24696), (377, 24705), (397, 24792),

Gene: Phaded_35 Start: 25217, Stop: 26992, Start Num: 8
Candidate Starts for Phaded_35:
(5, 25178), (Start: 8 @25217 has 170 MA's), (30, 25328), (32, 25337), (46, 25394), (51, 25421), (65, 25514), (101, 25607), (104, 25628), (105, 25637), (139, 25658), (141, 25670), (162, 25793), (170, 25826), (173, 25844), (178, 25868), (193, 25982), (208, 26069), (216, 26108), (219, 26120), (224, 26165), (257, 26360), (260, 26381), (283, 26540), (285, 26546), (300, 26612), (316, 26675), (322, 26696), (350, 26789), (373, 26870), (381, 26900), (388, 26930), (398, 26975),

Gene: Phaeder_33 Start: 24377, Stop: 26143, Start Num: 9
Candidate Starts for Phaeder_33:
(Start: 9 @24377 has 32 MA's), (Start: 14 @24389 has 3 MA's), (45, 24563), (59, 24653), (70, 24698), (71, 24707), (105, 24785), (140, 24809), (148, 24845), (170, 24974), (173, 24992), (208, 25217), (212, 25238), (216, 25256), (228, 25346), (239, 25403), (259, 25526), (277, 25649), (283, 25688), (295,

25745), (316, 25826), (322, 25847), (323, 25850), (350, 25940), (381, 26051), (398, 26126),

Gene: Phantastic_31 Start: 22796, Stop: 24658, Start Num: 6
Candidate Starts for Phantastic_31:
(Start: 6 @22796 has 1 MA's), (45, 23000), (51, 23033), (73, 23171), (76, 23195), (91, 23213), (150, 23372), (170, 23480), (174, 23501), (178, 23522), (216, 23762), (224, 23819), (228, 23852), (259, 24032), (266, 24074), (273, 24140), (277, 24155), (315, 24326), (326, 24368), (347, 24431), (361, 24485), (363, 24488), (375, 24524), (388, 24578), (392, 24605), (397, 24629),

Gene: Phelipe_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Phelipe_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Phighter1804_31 Start: 22935, Stop: 24791, Start Num: 8
Candidate Starts for Phighter1804_31:
(Start: 8 @22935 has 170 MA's), (30, 23061), (Start: 34 @23085 has 1 MA's), (55, 23190), (56, 23196), (61, 23244), (65, 23253), (72, 23295), (79, 23340), (101, 23346), (145, 23451), (148, 23463), (157, 23526), (159, 23541), (173, 23610), (194, 23778), (205, 23838), (211, 23865), (217, 23892), (218, 23895), (231, 24000), (237, 24021), (238, 24030), (255, 24135), (268, 24219), (280, 24318), (324, 24504), (326, 24510), (342, 24555), (354, 24606), (355, 24609), (374, 24672), (377, 24681), (397, 24768),

Gene: PhishRPhriends_32 Start: 22545, Stop: 24353, Start Num: 7
Candidate Starts for PhishRPhriends_32:
(Start: 7 @22545 has 124 MA's), (30, 22680), (45, 22746), (52, 22791), (58, 22827), (73, 22917), (76, 22941), (104, 22986), (139, 23016), (170, 23184), (173, 23202), (178, 23226), (201, 23388), (208, 23427), (216, 23466), (228, 23556), (257, 23718), (260, 23739), (271, 23826), (283, 23898), (298, 23961), (316, 24036), (322, 24057), (350, 24150), (359, 24189), (373, 24231), (397, 24330),

Gene: Phoebe_33 Start: 23275, Stop: 25032, Start Num: 7
Candidate Starts for Phoebe_33:
(Start: 7 @23275 has 124 MA's), (30, 23410), (45, 23476), (52, 23521), (58, 23557), (79, 23689), (105, 23725), (141, 23746), (156, 23803), (168, 23863), (181, 23917), (185, 23977), (206, 24097), (207, 24100), (221, 24169), (223, 24193), (239, 24286), (244, 24307), (253, 24352), (308, 24682), (327, 24751), (347, 24814), (394, 24985),

Gene: Phonnegut_33 Start: 24410, Stop: 26176, Start Num: 9
Candidate Starts for Phonnegut_33:
(Start: 9 @24410 has 32 MA's), (Start: 14 @24422 has 3 MA's), (45, 24596), (59, 24686), (70, 24731), (71, 24740), (105, 24818), (140, 24842), (148, 24878), (170, 25007), (173, 25025), (208, 25250), (212, 25271), (216, 25289), (228, 25379), (239, 25436), (259, 25559), (277, 25682), (283, 25721), (295, 25778), (316, 25859), (322, 25880), (323, 25883), (346, 25958), (350, 25973), (381, 26084), (398, 26159),

Gene: Phontbonne_31 Start: 22904, Stop: 24763, Start Num: 8
Candidate Starts for Phontbonne_31:
(Start: 8 @22904 has 170 MA's), (30, 23030), (Start: 34 @23054 has 1 MA's), (55, 23159), (56, 23165), (61, 23213), (65, 23222), (72, 23264), (79, 23309), (101, 23315), (148, 23432), (159, 23510), (173,

23579), (217, 23861), (218, 23864), (231, 23969), (238, 23999), (255, 24104), (262, 24143), (266, 24170), (268, 24188), (326, 24479), (350, 24557), (353, 24569), (354, 24575), (366, 24614), (374, 24641), (376, 24647), (397, 24740),

Gene: Phoxy_33 Start: 23361, Stop: 25112, Start Num: 7
Candidate Starts for Phoxy_33:
(Start: 7 @23361 has 124 MA's), (30, 23496), (45, 23562), (52, 23607), (58, 23643), (75, 23754), (79, 23775), (105, 23811), (141, 23832), (168, 23949), (189, 24087), (206, 24183), (207, 24186), (221, 24255), (223, 24279), (230, 24324), (239, 24372), (253, 24438), (274, 24609), (276, 24615), (285, 24666), (296, 24711), (303, 24741), (316, 24789), (327, 24831), (332, 24846), (334, 24849), (343, 24873), (374, 24975), (375, 24978), (381, 25002),

Gene: Phranny_34 Start: 23353, Stop: 25161, Start Num: 7
Candidate Starts for Phranny_34:
(Start: 7 @23353 has 124 MA's), (30, 23488), (45, 23554), (52, 23599), (53, 23602), (76, 23749), (104, 23794), (139, 23824), (170, 23992), (173, 24010), (178, 24034), (201, 24196), (208, 24235), (216, 24274), (228, 24364), (257, 24526), (260, 24547), (271, 24634), (283, 24706), (298, 24769), (316, 24844), (322, 24865), (350, 24958), (359, 24997), (373, 25039), (397, 25138),

Gene: Pioneer_33 Start: 24410, Stop: 26176, Start Num: 9
Candidate Starts for Pioneer_33:
(Start: 9 @24410 has 32 MA's), (Start: 14 @24422 has 3 MA's), (45, 24596), (59, 24686), (70, 24731), (71, 24740), (105, 24818), (140, 24842), (148, 24878), (170, 25007), (173, 25025), (208, 25250), (212, 25271), (216, 25289), (228, 25379), (239, 25436), (259, 25559), (277, 25682), (283, 25721), (295, 25778), (316, 25859), (322, 25880), (323, 25883), (346, 25958), (350, 25973), (381, 26084), (398, 26159),

Gene: Pipcraft_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Pipcraft_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Piro94_32 Start: 23234, Stop: 25318, Start Num: 12
Candidate Starts for Piro94_32:
(Start: 12 @23234 has 34 MA's), (30, 23348), (33, 23363), (53, 23462), (73, 23585), (74, 23597), (80, 23630), (106, 23774), (109, 23795), (124, 23909), (127, 23945), (170, 24146), (173, 24164), (178, 24188), (189, 24287), (208, 24389), (216, 24428), (219, 24440), (228, 24518), (251, 24635), (253, 24641), (260, 24701), (273, 24806), (277, 24821), (306, 24962), (307, 24965), (322, 25016), (326, 25031), (333, 25055), (348, 25109), (354, 25133), (384, 25238), (399, 25304),

Gene: Pistachio_32 Start: 22385, Stop: 24244, Start Num: 7
Candidate Starts for Pistachio_32:
(Start: 7 @22385 has 124 MA's), (32, 22529), (Start: 34 @22544 has 1 MA's), (45, 22586), (63, 22709), (73, 22757), (91, 22799), (101, 22805), (104, 22826), (170, 23066), (176, 23096), (184, 23144), (201, 23270), (208, 23309), (216, 23348), (224, 23405), (228, 23438), (257, 23600), (258, 23603), (266, 23660), (273, 23726), (277, 23741), (323, 23942), (359, 24068), (361, 24071), (386, 24152), (388, 24164), (392, 24191), (398, 24221),

Gene: Pocahontas_32 Start: 23370, Stop: 25229, Start Num: 7
Candidate Starts for Pocahontas_32:

(Start: 7 @23370 has 124 MA's), (32, 23514), (35, 23532), (45, 23571), (49, 23592), (55, 23634), (58, 23652), (104, 23811), (112, 23838), (150, 23943), (154, 23964), (170, 24051), (178, 24093), (216, 24333), (228, 24423), (239, 24480), (266, 24645), (272, 24699), (273, 24711), (277, 24726), (304, 24855), (306, 24867), (323, 24927), (326, 24939), (344, 24984), (347, 25002), (388, 25149), (392, 25176), (398, 25206),

Gene: Polymorphads_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for Polymorphads_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (266, 24223), (268, 24241), (280, 24340), (324, 24526), (342, 24577), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: Poompha_31 Start: 21405, Stop: 23687, Start Num: 8
Candidate Starts for Poompha_31:
(Start: 8 @21405 has 170 MA's), (16, 21438), (29, 21522), (44, 21588), (58, 21675), (65, 21720), (83, 21834), (84, 21843), (93, 21927), (99, 22002), (106, 22080), (119, 22155), (143, 22371), (153, 22428), (170, 22518), (173, 22536), (178, 22560), (180, 22569), (208, 22761), (216, 22800), (228, 22890), (239, 22947), (257, 23052), (262, 23082), (264, 23100), (266, 23112), (280, 23217), (283, 23232), (285, 23238), (292, 23271), (316, 23370), (322, 23391), (323, 23394), (342, 23451), (346, 23469), (347, 23472), (350, 23484), (359, 23523), (373, 23565), (374, 23568), (398, 23670),

Gene: Popcicle_32 Start: 23370, Stop: 25229, Start Num: 7
Candidate Starts for Popcicle_32:
(Start: 7 @23370 has 124 MA's), (32, 23514), (35, 23532), (45, 23571), (49, 23592), (55, 23634), (58, 23652), (104, 23811), (112, 23838), (150, 23943), (154, 23964), (170, 24051), (178, 24093), (216, 24333), (228, 24423), (239, 24480), (266, 24645), (272, 24699), (273, 24711), (277, 24726), (304, 24855), (306, 24867), (323, 24927), (326, 24939), (344, 24984), (347, 25002), (388, 25149), (392, 25176), (398, 25206),

Gene: PotatoSplit_34 Start: 23277, Stop: 25034, Start Num: 7
Candidate Starts for PotatoSplit_34:
(Start: 7 @23277 has 124 MA's), (30, 23412), (45, 23478), (52, 23523), (58, 23559), (79, 23691), (105, 23727), (141, 23748), (156, 23805), (168, 23865), (181, 23919), (185, 23979), (206, 24099), (207, 24102), (221, 24171), (223, 24195), (239, 24288), (244, 24309), (253, 24354), (308, 24684), (327, 24753), (347, 24816), (394, 24987),

Gene: Power_31 Start: 22692, Stop: 24893, Start Num: 13
Candidate Starts for Power_31:
(Start: 13 @22692 has 44 MA's), (18, 22713), (32, 22812), (33, 22818), (38, 22845), (39, 22848), (51, 22902), (56, 22938), (73, 23040), (106, 23229), (123, 23361), (124, 23364), (131, 23442), (170, 23718), (173, 23736), (178, 23760), (208, 23961), (216, 24000), (228, 24090), (239, 24147), (251, 24207), (257, 24252), (260, 24273), (273, 24378), (277, 24393), (280, 24417), (289, 24462), (297, 24489), (306, 24534), (323, 24594), (329, 24618), (377, 24768), (388, 24816), (391, 24840),

Gene: Priya_33 Start: 24444, Stop: 26210, Start Num: 9
Candidate Starts for Priya_33:
(Start: 9 @24444 has 32 MA's), (45, 24630), (59, 24720), (70, 24765), (71, 24774), (105, 24852), (140, 24876), (148, 24912), (170, 25041), (173, 25059), (208, 25284), (212, 25305), (216, 25323), (228, 25413), (239, 25470), (259, 25593), (277, 25716), (283, 25755), (295, 25812), (316, 25893), (322, 25914), (323, 25917), (350, 26007), (381, 26118), (398, 26193),

Gene: Prudy_35 Start: 25130, Stop: 26905, Start Num: 13
Candidate Starts for Prudy_35:
(2, 25031), (Start: 13 @25130 has 44 MA's), (30, 25241), (32, 25250), (56, 25370), (58, 25382), (59, 25394), (76, 25496), (141, 25583), (160, 25688), (162, 25706), (170, 25739), (173, 25757), (178, 25781), (208, 25982), (216, 26021), (224, 26078), (228, 26111), (236, 26141), (259, 26291), (273, 26399), (277, 26414), (283, 26453), (322, 26609), (328, 26630), (350, 26702), (373, 26783), (388, 26843), (398, 26888),

Gene: Pukovnik_33 Start: 24251, Stop: 26089, Start Num: 13
Candidate Starts for Pukovnik_33:
(Start: 13 @24251 has 44 MA's), (18, 24272), (30, 24362), (32, 24371), (46, 24428), (51, 24455), (65, 24548), (73, 24593), (112, 24689), (173, 24905), (186, 25028), (188, 25037), (205, 25133), (217, 25187), (218, 25190), (231, 25298), (238, 25328), (251, 25397), (255, 25433), (258, 25445), (262, 25472), (324, 25802), (342, 25853), (350, 25886), (354, 25904), (355, 25907), (374, 25970),

Gene: Pumbaa_31 Start: 22935, Stop: 24791, Start Num: 8
Candidate Starts for Pumbaa_31:
(Start: 8 @22935 has 170 MA's), (30, 23061), (Start: 34 @23085 has 1 MA's), (56, 23196), (61, 23244), (63, 23250), (65, 23253), (72, 23295), (101, 23346), (145, 23451), (148, 23463), (159, 23541), (173, 23610), (194, 23778), (200, 23808), (205, 23838), (211, 23865), (217, 23892), (218, 23895), (231, 24000), (237, 24021), (238, 24030), (255, 24135), (262, 24174), (266, 24201), (268, 24219), (269, 24222), (282, 24330), (295, 24387), (324, 24504), (326, 24510), (374, 24672), (377, 24681),

Gene: Puppy_32 Start: 22455, Stop: 24314, Start Num: 7
Candidate Starts for Puppy_32:
(Start: 7 @22455 has 124 MA's), (32, 22599), (Start: 34 @22614 has 1 MA's), (45, 22656), (63, 22779), (73, 22827), (91, 22869), (101, 22875), (104, 22896), (170, 23136), (176, 23166), (184, 23214), (201, 23340), (208, 23379), (216, 23418), (224, 23475), (228, 23508), (257, 23670), (258, 23673), (266, 23730), (273, 23796), (277, 23811), (323, 24012), (359, 24138), (361, 24141), (386, 24222), (388, 24234), (392, 24261), (398, 24291),

Gene: PurpleHaze_33 Start: 23360, Stop: 25168, Start Num: 7
Candidate Starts for PurpleHaze_33:
(Start: 7 @23360 has 124 MA's), (30, 23495), (45, 23561), (52, 23606), (58, 23642), (73, 23732), (76, 23756), (104, 23801), (139, 23831), (170, 23999), (173, 24017), (178, 24041), (201, 24203), (208, 24242), (216, 24281), (228, 24371), (257, 24533), (260, 24554), (271, 24641), (280, 24698), (283, 24713), (298, 24776), (316, 24851), (322, 24872), (350, 24965), (359, 25004), (373, 25046), (397, 25145),

Gene: Qobbit_33 Start: 24407, Stop: 26173, Start Num: 9
Candidate Starts for Qobbit_33:
(Start: 9 @24407 has 32 MA's), (45, 24593), (59, 24683), (70, 24728), (71, 24737), (105, 24815), (140, 24839), (148, 24875), (170, 25004), (173, 25022), (208, 25247), (212, 25268), (216, 25286), (228, 25376), (239, 25433), (259, 25556), (277, 25679), (283, 25718), (295, 25775), (316, 25856), (322, 25877), (323, 25880), (350, 25970), (381, 26081), (398, 26156),

Gene: QueenB2_31 Start: 22756, Stop: 24954, Start Num: 13
Candidate Starts for QueenB2_31:
(Start: 13 @22756 has 44 MA's), (18, 22777), (32, 22876), (51, 22966), (56, 23002), (73, 23104), (74, 23116), (106, 23293), (124, 23428), (136, 23569), (170, 23782), (173, 23800), (178, 23824), (208, 24025), (228, 24154), (239, 24211), (251, 24271), (257, 24316), (260, 24337), (277, 24457), (295, 24547), (297, 24550), (323, 24655), (329, 24679), (343, 24709), (344, 24712), (388, 24877), (398, 24931),

Gene: QueenBeesly_31 Start: 22638, Stop: 24839, Start Num: 13
Candidate Starts for QueenBeesly_31:
(Start: 13 @22638 has 44 MA's), (18, 22659), (32, 22758), (33, 22764), (38, 22791), (39, 22794), (51, 22848), (56, 22884), (73, 22986), (106, 23175), (123, 23307), (124, 23310), (170, 23664), (173, 23682), (178, 23706), (208, 23907), (216, 23946), (228, 24036), (239, 24093), (251, 24153), (257, 24198), (260, 24219), (273, 24324), (277, 24339), (280, 24363), (289, 24408), (297, 24435), (306, 24480), (329, 24564), (377, 24714), (388, 24762), (391, 24786),

Gene: QuinnKiro_31 Start: 23373, Stop: 25232, Start Num: 7
Candidate Starts for QuinnKiro_31:
(Start: 7 @23373 has 124 MA's), (32, 23517), (35, 23535), (45, 23574), (49, 23595), (55, 23637), (58, 23655), (104, 23814), (112, 23841), (150, 23946), (154, 23967), (170, 24054), (178, 24096), (212, 24318), (216, 24336), (228, 24426), (239, 24483), (266, 24648), (272, 24702), (273, 24714), (277, 24729), (304, 24858), (306, 24870), (323, 24930), (326, 24942), (344, 24987), (347, 25005), (388, 25152), (392, 25179), (398, 25209),

Gene: Quokka_29 Start: 21646, Stop: 23397, Start Num: 13
Candidate Starts for Quokka_29:
(Start: 13 @21646 has 44 MA's), (18, 21667), (32, 21766), (Start: 34 @21781 has 1 MA's), (51, 21856), (59, 21916), (78, 22027), (83, 22060), (86, 22084), (88, 22090), (111, 22162), (147, 22237), (151, 22270), (158, 22300), (206, 22588), (227, 22708), (241, 22777), (276, 23008), (290, 23083), (293, 23095), (295, 23104), (305, 23143), (370, 23338), (379, 23365), (380, 23368), (382, 23380),

Gene: Rachaly_34 Start: 24354, Stop: 26138, Start Num: 12
Candidate Starts for Rachaly_34:
(Start: 12 @24354 has 34 MA's), (18, 24378), (30, 24468), (32, 24477), (45, 24534), (153, 24882), (154, 24885), (170, 24972), (173, 24990), (178, 25014), (191, 25122), (208, 25215), (212, 25236), (216, 25254), (219, 25266), (228, 25344), (240, 25404), (257, 25506), (260, 25527), (280, 25671), (283, 25686), (322, 25842), (328, 25863), (350, 25935), (354, 25953), (367, 25995), (373, 26016), (388, 26076), (398, 26121),

Gene: Reba_34 Start: 23026, Stop: 24834, Start Num: 7
Candidate Starts for Reba_34:
(Start: 7 @23026 has 124 MA's), (30, 23161), (45, 23227), (52, 23272), (53, 23275), (76, 23422), (104, 23467), (139, 23497), (170, 23665), (173, 23683), (178, 23707), (201, 23869), (208, 23908), (216, 23947), (228, 24037), (257, 24199), (260, 24220), (271, 24307), (283, 24379), (298, 24442), (316, 24517), (322, 24538), (350, 24631), (359, 24670), (373, 24712), (397, 24811),

Gene: Rebeuca_34 Start: 23648, Stop: 25483, Start Num: 8
Candidate Starts for Rebeuca_34:
(Start: 8 @23648 has 170 MA's), (16, 23681), (49, 23858), (79, 24050), (81, 24056), (83, 24077), (87, 24104), (162, 24284), (170, 24317), (173, 24335), (178, 24359), (191, 24467), (216, 24599), (224, 24656), (228, 24689), (239, 24746), (249, 24800), (259, 24869), (273, 24977), (277, 24992), (280, 25016), (283, 25031), (311, 25148), (316, 25166), (322, 25187), (323, 25190), (346, 25265), (350, 25280), (373, 25361), (381, 25391), (388, 25421), (398, 25466), (399, 25469),

Gene: RedRock_35 Start: 25191, Stop: 26969, Start Num: 13
Candidate Starts for RedRock_35:
(Start: 13 @25191 has 44 MA's), (30, 25302), (32, 25311), (39, 25344), (51, 25398), (56, 25434), (58, 25446), (59, 25458), (104, 25605), (105, 25614), (139, 25635), (141, 25647), (153, 25713), (165, 25782), (170, 25803), (173, 25821), (178, 25845), (189, 25944), (191, 25953), (216, 26085), (224, 26142), (228, 26175), (239, 26232), (249, 26286), (259, 26355), (283, 26517), (295, 26571), (316,

26652), (322, 26673), (328, 26694), (350, 26766), (373, 26847),

Gene: Relief_31 Start: 22958, Stop: 24814, Start Num: 8
Candidate Starts for Relief_31:
(Start: 8 @22958 has 170 MA's), (30, 23084), (Start: 34 @23108 has 1 MA's), (55, 23213), (56, 23219), (61, 23267), (72, 23318), (79, 23363), (101, 23369), (145, 23474), (148, 23486), (159, 23564), (173, 23633), (205, 23861), (210, 23885), (211, 23888), (217, 23915), (218, 23918), (231, 24023), (238, 24053), (240, 24068), (255, 24158), (262, 24197), (268, 24242), (295, 24410), (324, 24527), (326, 24533), (342, 24578), (354, 24629), (355, 24632), (374, 24695), (377, 24704), (397, 24791),

Gene: ResDef_32 Start: 23373, Stop: 25232, Start Num: 7
Candidate Starts for ResDef_32:
(Start: 7 @23373 has 124 MA's), (32, 23517), (35, 23535), (45, 23574), (49, 23595), (55, 23637), (58, 23655), (104, 23814), (112, 23841), (154, 23967), (170, 24054), (178, 24096), (216, 24336), (228, 24426), (239, 24483), (266, 24648), (272, 24702), (273, 24714), (277, 24729), (304, 24858), (306, 24870), (323, 24930), (326, 24942), (344, 24987), (347, 25005), (388, 25152), (392, 25179), (398, 25209),

Gene: Retro23_31 Start: 22846, Stop: 25044, Start Num: 13
Candidate Starts for Retro23_31:
(Start: 13 @22846 has 44 MA's), (18, 22867), (32, 22966), (51, 23056), (56, 23092), (73, 23194), (74, 23206), (98, 23317), (106, 23383), (123, 23515), (124, 23518), (130, 23581), (170, 23872), (173, 23890), (178, 23914), (208, 24115), (216, 24154), (228, 24244), (239, 24301), (251, 24361), (257, 24406), (260, 24427), (277, 24547), (295, 24637), (297, 24640), (323, 24745), (343, 24799), (388, 24967), (398, 25021),

Gene: RhynO_34 Start: 23623, Stop: 25455, Start Num: 8
Candidate Starts for RhynO_34:
(Start: 8 @23623 has 170 MA's), (16, 23656), (44, 23806), (49, 23833), (69, 23962), (76, 24007), (80, 24028), (81, 24031), (170, 24292), (173, 24310), (216, 24571), (224, 24628), (228, 24661), (249, 24772), (259, 24841), (272, 24937), (273, 24949), (277, 24964), (280, 24988), (283, 25003), (285, 25009), (289, 25033), (300, 25075), (311, 25120), (316, 25138), (323, 25162), (346, 25237), (350, 25252), (352, 25261), (359, 25291), (373, 25333), (398, 25438), (399, 25441),

Gene: RockieBear_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for RockieBear_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Rocksand_31 Start: 22956, Stop: 24812, Start Num: 8
Candidate Starts for Rocksand_31:
(Start: 8 @22956 has 170 MA's), (30, 23082), (Start: 34 @23106 has 1 MA's), (55, 23211), (56, 23217), (61, 23265), (65, 23274), (72, 23316), (79, 23361), (101, 23367), (145, 23472), (148, 23484), (159, 23562), (173, 23631), (205, 23859), (210, 23883), (211, 23886), (217, 23913), (218, 23916), (231, 24021), (237, 24042), (238, 24051), (255, 24156), (262, 24195), (268, 24240), (295, 24408), (324, 24525), (326, 24531), (342, 24576), (354, 24627), (355, 24630), (374, 24693), (377, 24702), (397, 24789),

Gene: Rockstar_31 Start: 22769, Stop: 24628, Start Num: 7

Candidate Starts for Rockstar_31:
(Start: 7 @22769 has 124 MA's), (29, 22895), (32, 22913), (Start: 34 @22928 has 1 MA's), (45, 22970), (55, 23033), (101, 23189), (104, 23210), (112, 23237), (146, 23312), (154, 23363), (170, 23450), (173, 23468), (178, 23492), (216, 23732), (224, 23789), (228, 23822), (247, 23915), (251, 23939), (266, 24044), (273, 24110), (277, 24125), (315, 24296), (347, 24401), (361, 24455), (375, 24494), (388, 24548), (392, 24575), (397, 24599),

Gene: Roimos_31 Start: 22808, Stop: 24667, Start Num: 7
Candidate Starts for Roimos_31:
(Start: 7 @22808 has 124 MA's), (29, 22934), (30, 22943), (45, 23009), (49, 23030), (55, 23072), (101, 23228), (112, 23276), (144, 23345), (146, 23351), (150, 23381), (170, 23489), (173, 23507), (178, 23531), (216, 23771), (228, 23861), (251, 23978), (266, 24083), (273, 24149), (277, 24164), (315, 24335), (347, 24440), (361, 24494), (375, 24533), (388, 24587), (392, 24614), (397, 24638),

Gene: Romney_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Romney_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Roosevelt_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Roosevelt_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Rosa24_30 Start: 22935, Stop: 24791, Start Num: 8
Candidate Starts for Rosa24_30:
(Start: 8 @22935 has 170 MA's), (30, 23061), (Start: 34 @23085 has 1 MA's), (61, 23244), (65, 23253), (72, 23295), (79, 23340), (101, 23346), (145, 23451), (148, 23463), (159, 23541), (173, 23610), (194, 23778), (200, 23808), (205, 23838), (211, 23865), (217, 23892), (218, 23895), (231, 24000), (237, 24021), (238, 24030), (255, 24135), (262, 24174), (268, 24219), (293, 24381), (324, 24504), (326, 24510), (374, 24672), (377, 24681),

Gene: Rowdy_37 Start: 23534, Stop: 25366, Start Num: 8
Candidate Starts for Rowdy_37:
(Start: 8 @23534 has 170 MA's), (16, 23567), (44, 23717), (49, 23744), (76, 23918), (80, 23939), (81, 23942), (170, 24203), (173, 24221), (216, 24482), (224, 24539), (228, 24572), (249, 24683), (259, 24752), (272, 24848), (273, 24860), (277, 24875), (280, 24899), (283, 24914), (285, 24920), (289, 24944), (300, 24986), (311, 25031), (316, 25049), (323, 25073), (346, 25148), (350, 25163), (352, 25172), (359, 25202), (373, 25244), (398, 25349), (399, 25352),

Gene: Ruin_31 Start: 22956, Stop: 24812, Start Num: 8
Candidate Starts for Ruin_31:
(Start: 8 @22956 has 170 MA's), (30, 23082), (Start: 34 @23106 has 1 MA's), (55, 23211), (56, 23217), (61, 23265), (65, 23274), (72, 23316), (79, 23361), (101, 23367), (145, 23472), (148, 23484), (159, 23562), (173, 23631), (205, 23859), (210, 23883), (211, 23886), (217, 23913), (218, 23916), (231,

24021), (238, 24051), (240, 24066), (255, 24156), (262, 24195), (268, 24240), (295, 24408), (324, 24525), (326, 24531), (342, 24576), (354, 24627), (355, 24630), (374, 24693), (377, 24702), (397, 24789),

Gene: Rummer_33 Start: 23361, Stop: 25112, Start Num: 7
Candidate Starts for Rummer_33:
(Start: 7 @23361 has 124 MA's), (30, 23496), (45, 23562), (52, 23607), (58, 23643), (75, 23754), (79, 23775), (105, 23811), (141, 23832), (168, 23949), (189, 24087), (206, 24183), (207, 24186), (221, 24255), (223, 24279), (230, 24324), (239, 24372), (253, 24438), (274, 24609), (276, 24615), (285, 24666), (296, 24711), (303, 24741), (316, 24789), (327, 24831), (332, 24846), (334, 24849), (343, 24873), (374, 24975), (375, 24978), (381, 25002),

Gene: RyeScarlet_33 Start: 24381, Stop: 26147, Start Num: 9
Candidate Starts for RyeScarlet_33:
(Start: 9 @24381 has 32 MA's), (Start: 14 @24393 has 3 MA's), (45, 24567), (59, 24657), (70, 24702), (71, 24711), (105, 24789), (140, 24813), (148, 24849), (170, 24978), (173, 24996), (208, 25221), (212, 25242), (216, 25260), (228, 25350), (239, 25407), (259, 25530), (277, 25653), (283, 25692), (295, 25749), (316, 25830), (322, 25851), (323, 25854), (346, 25929), (350, 25944), (381, 26055), (398, 26130),

Gene: Sabertooth_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for Sabertooth_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (145, 23473), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (268, 24241), (295, 24409), (324, 24526), (326, 24532), (342, 24577), (354, 24628), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: Sabia_33 Start: 23270, Stop: 25027, Start Num: 7
Candidate Starts for Sabia_33:
(Start: 7 @23270 has 124 MA's), (30, 23405), (45, 23471), (52, 23516), (58, 23552), (79, 23684), (105, 23720), (141, 23741), (156, 23798), (168, 23858), (181, 23912), (185, 23972), (206, 24092), (207, 24095), (221, 24164), (223, 24188), (239, 24281), (244, 24302), (253, 24347), (308, 24677), (327, 24746), (347, 24809), (394, 24980),

Gene: Sabinator_33 Start: 23275, Stop: 25032, Start Num: 7
Candidate Starts for Sabinator_33:
(Start: 7 @23275 has 124 MA's), (30, 23410), (45, 23476), (52, 23521), (58, 23557), (79, 23689), (105, 23725), (141, 23746), (156, 23803), (168, 23863), (181, 23917), (185, 23977), (206, 24097), (207, 24100), (221, 24169), (223, 24193), (239, 24286), (244, 24307), (253, 24352), (308, 24682), (327, 24751), (347, 24814), (394, 24985),

Gene: Sachima_33 Start: 24389, Stop: 26143, Start Num: 14
Candidate Starts for Sachima_33:
(Start: 9 @24377 has 32 MA's), (Start: 14 @24389 has 3 MA's), (45, 24563), (59, 24653), (70, 24698), (71, 24707), (105, 24785), (140, 24809), (148, 24845), (170, 24974), (173, 24992), (208, 25217), (212, 25238), (216, 25256), (228, 25346), (239, 25403), (259, 25526), (277, 25649), (283, 25688), (295, 25745), (316, 25826), (322, 25847), (323, 25850), (350, 25940), (381, 26051), (398, 26126),

Gene: SaturnRing_31 Start: 22838, Stop: 24697, Start Num: 7
Candidate Starts for SaturnRing_31:

(Start: 7 @22838 has 124 MA's), (32, 22982), (Start: 34 @22997 has 1 MA's), (45, 23039), (63, 23162), (73, 23210), (91, 23252), (101, 23258), (104, 23279), (170, 23519), (176, 23549), (184, 23597), (201, 23723), (208, 23762), (216, 23801), (224, 23858), (228, 23891), (257, 24053), (258, 24056), (266, 24113), (273, 24179), (277, 24194), (323, 24395), (359, 24521), (361, 24524), (386, 24605), (388, 24617), (392, 24644), (398, 24674),

Gene: Scamp_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Scamp_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Scherzo_33 Start: 24410, Stop: 26176, Start Num: 9
Candidate Starts for Scherzo_33:
(Start: 9 @24410 has 32 MA's), (Start: 14 @24422 has 3 MA's), (45, 24596), (59, 24686), (70, 24731), (71, 24740), (105, 24818), (140, 24842), (148, 24878), (170, 25007), (173, 25025), (208, 25250), (212, 25271), (216, 25289), (228, 25379), (239, 25436), (259, 25559), (277, 25682), (283, 25721), (295, 25778), (316, 25859), (322, 25880), (323, 25883), (350, 25973), (381, 26084), (398, 26159),

Gene: Scout_31 Start: 22139, Stop: 23998, Start Num: 7
Candidate Starts for Scout_31:
(Start: 7 @22139 has 124 MA's), (29, 22265), (30, 22274), (45, 22340), (49, 22361), (55, 22403), (101, 22559), (112, 22607), (144, 22676), (146, 22682), (150, 22712), (170, 22820), (173, 22838), (178, 22862), (216, 23102), (228, 23192), (251, 23309), (266, 23414), (273, 23480), (277, 23495), (315, 23666), (347, 23771), (361, 23825), (375, 23864), (388, 23918), (392, 23945), (397, 23969),

Gene: SemperFi_33 Start: 23055, Stop: 25259, Start Num: 13
Candidate Starts for SemperFi_33:
(Start: 13 @23055 has 44 MA's), (18, 23076), (32, 23175), (51, 23265), (56, 23301), (73, 23403), (106, 23592), (124, 23727), (130, 23790), (136, 23868), (170, 24081), (173, 24099), (178, 24123), (208, 24324), (216, 24363), (228, 24453), (239, 24510), (251, 24570), (257, 24615), (260, 24636), (277, 24756), (280, 24780), (297, 24855), (323, 24960), (329, 24984), (343, 25014), (358, 25074), (377, 25134), (388, 25182), (391, 25206), (393, 25209), (398, 25236),

Gene: SenorClean_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for SenorClean_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Serenity_30 Start: 21771, Stop: 23522, Start Num: 13
Candidate Starts for Serenity_30:
(Start: 13 @21771 has 44 MA's), (18, 21792), (32, 21891), (Start: 34 @21906 has 1 MA's), (51, 21981), (59, 22041), (78, 22152), (83, 22185), (86, 22209), (88, 22215), (111, 22287), (151, 22395), (175, 22512), (206, 22713), (227, 22833), (241, 22902), (276, 23133), (290, 23208), (293, 23220), (295, 23229), (305, 23268), (370, 23463), (379, 23490), (380, 23493), (382, 23505),

Gene: Severus_31 Start: 21405, Stop: 23687, Start Num: 8

Candidate Starts for Severus_31:
(Start: 8 @21405 has 170 MA's), (16, 21438), (29, 21522), (44, 21588), (65, 21720), (73, 21765), (76, 21789), (80, 21810), (81, 21813), (84, 21843), (89, 21867), (90, 21885), (94, 21942), (99, 22002), (106, 22080), (119, 22155), (125, 22245), (132, 22305), (143, 22371), (170, 22518), (173, 22536), (178, 22560), (199, 22704), (208, 22761), (216, 22800), (220, 22821), (228, 22890), (251, 23007), (257, 23052), (262, 23082), (264, 23100), (266, 23112), (273, 23178), (280, 23217), (283, 23232), (285, 23238), (292, 23271), (295, 23289), (322, 23391), (323, 23394), (342, 23451), (346, 23469), (347, 23472), (350, 23484), (359, 23523), (373, 23565), (374, 23568), (398, 23670),

Gene: Shaka_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Shaka_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237, 24046), (238, 24055), (255, 24160), (262, 24199), (268, 24244), (293, 24406), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Shapes_37 Start: 23534, Stop: 25366, Start Num: 8
Candidate Starts for Shapes_37:
(Start: 8 @23534 has 170 MA's), (16, 23567), (44, 23717), (49, 23744), (76, 23918), (80, 23939), (81, 23942), (170, 24203), (173, 24221), (216, 24482), (224, 24539), (228, 24572), (249, 24683), (259, 24752), (272, 24848), (273, 24860), (277, 24875), (280, 24899), (283, 24914), (285, 24920), (289, 24944), (300, 24986), (311, 25031), (316, 25049), (323, 25073), (346, 25148), (350, 25163), (352, 25172), (359, 25202), (373, 25244), (398, 25349), (399, 25352),

Gene: SheldonCooper_32 Start: 23275, Stop: 25131, Start Num: 8
Candidate Starts for SheldonCooper_32:
(Start: 8 @23275 has 170 MA's), (30, 23401), (Start: 34 @23425 has 1 MA's), (55, 23530), (56, 23536), (61, 23584), (72, 23635), (101, 23686), (145, 23791), (148, 23803), (159, 23881), (173, 23950), (194, 24118), (200, 24148), (205, 24178), (210, 24202), (211, 24205), (217, 24232), (218, 24235), (231, 24340), (237, 24361), (238, 24370), (262, 24514), (268, 24559), (293, 24721), (324, 24844), (342, 24895), (374, 25012), (377, 25021), (397, 25108),

Gene: Shep_31 Start: 21854, Stop: 23713, Start Num: 7
Candidate Starts for Shep_31:
(Start: 7 @21854 has 124 MA's), (29, 21980), (30, 21989), (45, 22055), (49, 22076), (55, 22118), (101, 22274), (112, 22322), (144, 22391), (146, 22397), (150, 22427), (170, 22535), (173, 22553), (178, 22577), (216, 22817), (228, 22907), (251, 23024), (266, 23129), (273, 23195), (277, 23210), (283, 23249), (315, 23381), (347, 23486), (361, 23540), (375, 23579), (388, 23633), (392, 23660), (397, 23684),

Gene: Shygu2_31 Start: 22966, Stop: 24825, Start Num: 8
Candidate Starts for Shygu2_31:
(3, 22903), (Start: 8 @22966 has 170 MA's), (20, 23014), (21, 23032), (Start: 34 @23116 has 1 MA's), (38, 23134), (49, 23179), (51, 23191), (79, 23371), (114, 23431), (145, 23482), (148, 23494), (159, 23572), (173, 23641), (205, 23869), (211, 23896), (217, 23923), (218, 23926), (231, 24034), (237, 24055), (238, 24064), (251, 24133), (255, 24169), (262, 24208), (293, 24415), (324, 24538), (342, 24589), (374, 24706), (377, 24715),

Gene: Skadoosh_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Skadoosh_31:

(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Skipitt_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for Skipitt_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (145, 23473), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (268, 24241), (295, 24409), (324, 24526), (326, 24532), (342, 24577), (354, 24628), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: Sknot_31 Start: 22776, Stop: 24998, Start Num: 12
Candidate Starts for Sknot_31:
(Start: 12 @22776 has 34 MA's), (30, 22890), (33, 22905), (58, 23037), (76, 23151), (80, 23172), (84, 23205), (106, 23316), (113, 23355), (124, 23451), (133, 23553), (170, 23802), (176, 23832), (178, 23844), (203, 24015), (216, 24084), (228, 24183), (249, 24294), (251, 24300), (253, 24306), (257, 24345), (265, 24402), (266, 24405), (273, 24471), (289, 24555), (306, 24627), (338, 24747), (371, 24858), (386, 24909), (388, 24921),

Gene: Smeagan_33 Start: 23263, Stop: 25350, Start Num: 12
Candidate Starts for Smeagan_33:
(Start: 12 @23263 has 34 MA's), (30, 23377), (32, 23386), (33, 23392), (38, 23419), (51, 23476), (73, 23614), (106, 23803), (124, 23938), (128, 23980), (133, 24040), (165, 24154), (170, 24175), (173, 24193), (178, 24217), (191, 24325), (208, 24418), (212, 24439), (216, 24457), (228, 24547), (239, 24604), (240, 24607), (251, 24664), (253, 24670), (257, 24709), (260, 24730), (289, 24919), (294, 24940), (323, 25051), (366, 25189), (384, 25255), (388, 25273), (402, 25342),

Gene: SnapTap_31 Start: 22698, Stop: 24902, Start Num: 13
Candidate Starts for SnapTap_31:
(Start: 13 @22698 has 44 MA's), (18, 22719), (33, 22824), (51, 22908), (56, 22944), (73, 23046), (74, 23058), (106, 23235), (124, 23370), (130, 23433), (170, 23724), (173, 23742), (178, 23766), (197, 23904), (208, 23967), (216, 24006), (228, 24096), (239, 24153), (251, 24213), (257, 24258), (260, 24279), (277, 24399), (280, 24423), (289, 24468), (306, 24540), (323, 24600), (375, 24771), (388, 24825), (393, 24852), (398, 24879),

Gene: Snickers_33 Start: 23251, Stop: 25008, Start Num: 7
Candidate Starts for Snickers_33:
(Start: 7 @23251 has 124 MA's), (30, 23386), (45, 23452), (52, 23497), (58, 23533), (79, 23665), (105, 23701), (141, 23722), (156, 23779), (168, 23839), (181, 23893), (185, 23953), (206, 24073), (207, 24076), (221, 24145), (223, 24169), (239, 24262), (244, 24283), (253, 24328), (308, 24658), (327, 24727), (347, 24790), (394, 24961),

Gene: SoYo_33 Start: 23188, Stop: 24945, Start Num: 7
Candidate Starts for SoYo_33:
(Start: 7 @23188 has 124 MA's), (30, 23323), (45, 23389), (52, 23434), (58, 23470), (79, 23602), (105, 23638), (141, 23659), (156, 23716), (168, 23776), (181, 23830), (185, 23890), (206, 24010), (207, 24013), (221, 24082), (223, 24106), (239, 24199), (244, 24220), (253, 24265), (308, 24595), (327, 24664), (347, 24727), (394, 24898),

Gene: SoilDragon_33 Start: 22965, Stop: 24770, Start Num: 7
Candidate Starts for SoilDragon_33:
(Start: 7 @22965 has 124 MA's), (30, 23100), (45, 23166), (52, 23211), (58, 23247), (70, 23319), (76, 23361), (104, 23406), (139, 23436), (170, 23604), (173, 23622), (178, 23646), (197, 23784), (201, 23808), (208, 23847), (216, 23886), (228, 23976), (257, 24138), (260, 24159), (271, 24246), (283, 24318), (291, 24348), (300, 24390), (316, 24453), (323, 24477), (346, 24552), (350, 24567), (359, 24606), (373, 24648), (398, 24753),

Gene: Soshari_35 Start: 23360, Stop: 25111, Start Num: 7
Candidate Starts for Soshari_35:
(Start: 7 @23360 has 124 MA's), (30, 23495), (43, 23552), (45, 23561), (52, 23606), (58, 23642), (75, 23753), (79, 23774), (105, 23810), (141, 23831), (168, 23948), (189, 24086), (206, 24182), (207, 24185), (221, 24254), (223, 24278), (230, 24323), (239, 24371), (253, 24437), (274, 24608), (276, 24614), (285, 24665), (296, 24710), (303, 24740), (316, 24788), (327, 24830), (332, 24845), (334, 24848), (343, 24872), (374, 24974), (375, 24977), (381, 25001),

Gene: Sparxx_31 Start: 22958, Stop: 24814, Start Num: 8
Candidate Starts for Sparxx_31:
(Start: 8 @22958 has 170 MA's), (30, 23084), (Start: 34 @23108 has 1 MA's), (55, 23213), (56, 23219), (61, 23267), (65, 23276), (72, 23318), (79, 23363), (101, 23369), (145, 23474), (148, 23486), (159, 23564), (173, 23633), (205, 23861), (210, 23885), (211, 23888), (217, 23915), (218, 23918), (231, 24023), (238, 24053), (240, 24068), (255, 24158), (262, 24197), (266, 24224), (268, 24242), (280, 24341), (324, 24527), (342, 24578), (355, 24632), (374, 24695), (377, 24704), (397, 24791),

Gene: Spike509_33 Start: 23361, Stop: 25112, Start Num: 7
Candidate Starts for Spike509_33:
(Start: 7 @23361 has 124 MA's), (30, 23496), (45, 23562), (52, 23607), (58, 23643), (75, 23754), (79, 23775), (105, 23811), (141, 23832), (168, 23949), (189, 24087), (206, 24183), (207, 24186), (221, 24255), (223, 24279), (230, 24324), (239, 24372), (253, 24438), (273, 24606), (274, 24609), (276, 24615), (285, 24666), (296, 24711), (303, 24741), (316, 24789), (327, 24831), (332, 24846), (334, 24849), (343, 24873), (374, 24975), (375, 24978), (381, 25002),

Gene: Spino_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Spino_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237, 24046), (238, 24055), (255, 24160), (262, 24199), (268, 24244), (293, 24406), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Spouty_33 Start: 24443, Stop: 26209, Start Num: 9
Candidate Starts for Spouty_33:
(Start: 9 @24443 has 32 MA's), (45, 24629), (59, 24719), (70, 24764), (71, 24773), (105, 24851), (140, 24875), (148, 24911), (170, 25040), (173, 25058), (208, 25283), (212, 25304), (216, 25322), (228, 25412), (239, 25469), (259, 25592), (277, 25715), (283, 25754), (295, 25811), (316, 25892), (322, 25913), (323, 25916), (350, 26006), (381, 26117), (398, 26192),

Gene: Stagni_33 Start: 23279, Stop: 25036, Start Num: 7
Candidate Starts for Stagni_33:
(Start: 7 @23279 has 124 MA's), (30, 23414), (45, 23480), (52, 23525), (58, 23561), (79, 23693), (105, 23729), (141, 23750), (156, 23807), (168, 23867), (181, 23921), (185, 23981), (206, 24101), (207, 24104), (221, 24173), (223, 24197), (239, 24290), (244, 24311), (253, 24356), (308, 24686), (327,

24755), (347, 24818), (394, 24989),

Gene: Stasia_32 Start: 23404, Stop: 25242, Start Num: 8
Candidate Starts for Stasia_32:
(Start: 8 @23404 has 170 MA's), (21, 23470), (30, 23530), (45, 23596), (51, 23629), (55, 23659), (56, 23665), (61, 23713), (72, 23764), (104, 23836), (146, 23938), (170, 24076), (173, 24094), (216, 24358), (228, 24448), (257, 24610), (260, 24631), (272, 24724), (277, 24751), (280, 24775), (283, 24790), (316, 24925), (323, 24949), (328, 24967), (350, 25039), (373, 25120),

Gene: SteMason_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for SteMason_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: StepMih_33 Start: 23270, Stop: 25027, Start Num: 7
Candidate Starts for StepMih_33:
(Start: 7 @23270 has 124 MA's), (30, 23405), (45, 23471), (52, 23516), (58, 23552), (79, 23684), (105, 23720), (141, 23741), (156, 23798), (168, 23858), (181, 23912), (185, 23972), (206, 24092), (207, 24095), (221, 24164), (223, 24188), (239, 24281), (244, 24302), (253, 24347), (308, 24677), (327, 24746), (347, 24809), (394, 24980),

Gene: Stink_32 Start: 23240, Stop: 25099, Start Num: 8
Candidate Starts for Stink_32:
(Start: 8 @23240 has 170 MA's), (21, 23306), (Start: 34 @23390 has 1 MA's), (38, 23408), (49, 23453), (56, 23501), (65, 23558), (72, 23600), (101, 23651), (104, 23672), (114, 23705), (145, 23756), (148, 23768), (155, 23822), (159, 23846), (173, 23915), (205, 24143), (211, 24170), (217, 24197), (218, 24200), (231, 24308), (237, 24329), (238, 24338), (251, 24407), (255, 24443), (262, 24482), (270, 24551), (293, 24689), (324, 24812), (326, 24818), (374, 24980), (377, 24989),

Gene: Sultana_31 Start: 22961, Stop: 24817, Start Num: 8
Candidate Starts for Sultana_31:
(Start: 8 @22961 has 170 MA's), (30, 23087), (Start: 34 @23111 has 1 MA's), (55, 23216), (56, 23222), (61, 23270), (72, 23321), (79, 23366), (101, 23372), (145, 23477), (148, 23489), (159, 23567), (173, 23636), (205, 23864), (210, 23888), (211, 23891), (217, 23918), (218, 23921), (231, 24026), (237, 24047), (238, 24056), (255, 24161), (262, 24200), (268, 24245), (293, 24407), (295, 24413), (324, 24530), (326, 24536), (342, 24581), (354, 24632), (355, 24635), (374, 24698), (377, 24707), (397, 24794),

Gene: Superchunk_30 Start: 21397, Stop: 22950, Start Num: 13
Candidate Starts for Superchunk_30:
(Start: 10 @21391 has 5 MA's), (Start: 13 @21397 has 44 MA's), (32, 21517), (38, 21550), (39, 21553), (46, 21580), (59, 21667), (83, 21754), (116, 21856), (227, 22384), (229, 22390), (237, 22420), (241, 22453), (244, 22465), (259, 22558), (264, 22588), (276, 22684), (290, 22756), (310, 22822), (314, 22834), (330, 22879),

Gene: SweetiePie_31 Start: 22698, Stop: 24902, Start Num: 13
Candidate Starts for SweetiePie_31:
(Start: 13 @22698 has 44 MA's), (18, 22719), (33, 22824), (51, 22908), (56, 22944), (73, 23046), (74, 23058), (106, 23235), (124, 23370), (170, 23724), (173, 23742), (178, 23766), (197, 23904), (208,

23967), (216, 24006), (228, 24096), (239, 24153), (251, 24213), (257, 24258), (260, 24279), (277, 24399), (280, 24423), (289, 24468), (306, 24540), (323, 24600), (375, 24771), (388, 24825), (393, 24852), (398, 24879),

Gene: SwirlSquare_32 Start: 21533, Stop: 23197, Start Num: 13
Candidate Starts for SwirlSquare_32:
(Start: 13 @21533 has 44 MA's), (30, 21644), (37, 21680), (56, 21779), (59, 21803), (86, 21971), (88, 21977), (227, 22598), (244, 22679), (259, 22772), (264, 22802), (276, 22898), (290, 22970), (313, 23057), (330, 23126),

Gene: TNguyen7_31 Start: 22806, Stop: 24665, Start Num: 7
Candidate Starts for TNguyen7_31:
(Start: 7 @22806 has 124 MA's), (32, 22950), (Start: 34 @22965 has 1 MA's), (45, 23007), (63, 23130), (73, 23178), (91, 23220), (101, 23226), (104, 23247), (170, 23487), (176, 23517), (184, 23565), (201, 23691), (208, 23730), (216, 23769), (224, 23826), (228, 23859), (257, 24021), (258, 24024), (266, 24081), (273, 24147), (277, 24162), (323, 24363), (359, 24489), (361, 24492), (386, 24573), (388, 24585), (392, 24612), (398, 24642),

Gene: Taquarus_31 Start: 22963, Stop: 24819, Start Num: 8
Candidate Starts for Taquarus_31:
(Start: 8 @22963 has 170 MA's), (30, 23089), (Start: 34 @23113 has 1 MA's), (55, 23218), (56, 23224), (61, 23272), (65, 23281), (72, 23323), (79, 23368), (101, 23374), (145, 23479), (148, 23491), (159, 23569), (173, 23638), (205, 23866), (210, 23890), (211, 23893), (217, 23920), (218, 23923), (231, 24028), (238, 24058), (240, 24073), (255, 24163), (262, 24202), (268, 24247), (295, 24415), (324, 24532), (326, 24538), (342, 24583), (354, 24634), (355, 24637), (374, 24700), (377, 24709), (397, 24796),

Gene: TarsusIV_31 Start: 22846, Stop: 25041, Start Num: 13
Candidate Starts for TarsusIV_31:
(Start: 13 @22846 has 44 MA's), (18, 22867), (30, 22957), (32, 22966), (45, 23023), (72, 23191), (73, 23194), (76, 23218), (84, 23272), (106, 23383), (113, 23422), (124, 23518), (127, 23554), (136, 23659), (170, 23869), (173, 23887), (208, 24112), (219, 24163), (228, 24241), (239, 24298), (257, 24403), (260, 24424), (265, 24460), (273, 24529), (280, 24568), (289, 24613), (297, 24640), (315, 24715), (323, 24745), (329, 24769), (377, 24919), (385, 24952), (388, 24967),

Gene: Taurus_33 Start: 23276, Stop: 25033, Start Num: 7
Candidate Starts for Taurus_33:
(Start: 7 @23276 has 124 MA's), (30, 23411), (45, 23477), (52, 23522), (58, 23558), (79, 23690), (105, 23726), (141, 23747), (156, 23804), (168, 23864), (181, 23918), (185, 23978), (206, 24098), (207, 24101), (221, 24170), (223, 24194), (239, 24287), (244, 24308), (253, 24353), (308, 24683), (327, 24752), (347, 24815), (394, 24986),

Gene: Terrific_33 Start: 23230, Stop: 25437, Start Num: 12
Candidate Starts for Terrific_33:
(Start: 12 @23230 has 34 MA's), (30, 23344), (33, 23359), (37, 23380), (58, 23491), (73, 23581), (74, 23593), (106, 23770), (113, 23809), (124, 23905), (153, 24166), (170, 24256), (176, 24286), (178, 24298), (207, 24496), (228, 24637), (233, 24658), (249, 24748), (251, 24754), (253, 24760), (257, 24799), (260, 24820), (265, 24856), (266, 24859), (273, 24925), (277, 24940), (278, 24943), (280, 24964), (287, 24997), (323, 25141), (338, 25189), (344, 25198), (357, 25252), (377, 25312), (388, 25360), (398, 25414),

Gene: Texage_31 Start: 23374, Stop: 25233, Start Num: 7
Candidate Starts for Texage_31:

(Start: 7 @23374 has 124 MA's), (32, 23518), (35, 23536), (45, 23575), (49, 23596), (55, 23638), (58, 23656), (104, 23815), (112, 23842), (150, 23947), (154, 23968), (170, 24055), (178, 24097), (216, 24337), (228, 24427), (239, 24484), (266, 24649), (272, 24703), (273, 24715), (277, 24730), (304, 24859), (306, 24871), (323, 24931), (326, 24943), (344, 24988), (347, 25006), (388, 25153), (392, 25180), (398, 25210),

Gene: Thanksgivukkah_31 Start: 22961, Stop: 24817, Start Num: 8
Candidate Starts for Thanksgivukkah_31:
(Start: 8 @22961 has 170 MA's), (30, 23087), (Start: 34 @23111 has 1 MA's), (55, 23216), (56, 23222), (61, 23270), (65, 23279), (72, 23321), (79, 23366), (101, 23372), (145, 23477), (148, 23489), (159, 23567), (173, 23636), (205, 23864), (210, 23888), (211, 23891), (217, 23918), (218, 23921), (231, 24026), (238, 24056), (240, 24071), (255, 24161), (262, 24200), (268, 24245), (295, 24413), (324, 24530), (326, 24536), (342, 24581), (354, 24632), (355, 24635), (374, 24698), (377, 24707), (397, 24794),

Gene: Tiffany_33 Start: 23171, Stop: 24922, Start Num: 7
Candidate Starts for Tiffany_33:
(Start: 7 @23171 has 124 MA's), (30, 23306), (45, 23372), (52, 23417), (58, 23453), (70, 23525), (73, 23543), (105, 23621), (141, 23642), (156, 23699), (168, 23759), (189, 23897), (206, 23993), (207, 23996), (221, 24065), (223, 24089), (230, 24134), (239, 24182), (253, 24248), (274, 24419), (276, 24425), (285, 24476), (296, 24521), (316, 24599), (327, 24641), (343, 24683), (374, 24785), (375, 24788), (381, 24812),

Gene: TinaFeyge_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for TinaFeyge_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (145, 23473), (148, 23485), (155, 23539), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (268, 24241), (295, 24409), (324, 24526), (326, 24532), (342, 24577), (354, 24628), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: TinyPebbles_33 Start: 23366, Stop: 25117, Start Num: 7
Candidate Starts for TinyPebbles_33:
(Start: 7 @23366 has 124 MA's), (30, 23501), (45, 23567), (52, 23612), (58, 23648), (75, 23759), (79, 23780), (105, 23816), (141, 23837), (168, 23954), (189, 24092), (206, 24188), (207, 24191), (221, 24260), (223, 24284), (230, 24329), (239, 24377), (253, 24443), (274, 24614), (276, 24620), (285, 24671), (296, 24716), (303, 24746), (316, 24794), (327, 24836), (332, 24851), (334, 24854), (343, 24878), (374, 24980), (375, 24983), (381, 25007),

Gene: Tinybot_30 Start: 22937, Stop: 24793, Start Num: 8
Candidate Starts for Tinybot_30:
(Start: 8 @22937 has 170 MA's), (30, 23063), (Start: 34 @23087 has 1 MA's), (61, 23246), (65, 23255), (72, 23297), (79, 23342), (101, 23348), (145, 23453), (148, 23465), (159, 23543), (173, 23612), (194, 23780), (200, 23810), (205, 23840), (211, 23867), (217, 23894), (218, 23897), (231, 24002), (237, 24023), (238, 24032), (255, 24137), (262, 24176), (268, 24221), (293, 24383), (324, 24506), (326, 24512), (374, 24674), (377, 24683),

Gene: TiroTheta9_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for TiroTheta9_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (145, 23473), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231,

24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (268, 24241), (295, 24409), (324, 24526), (326, 24532), (342, 24577), (354, 24628), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: Todacoro_32 Start: 23373, Stop: 25232, Start Num: 7
Candidate Starts for Todacoro_32:
(Start: 7 @23373 has 124 MA's), (32, 23517), (35, 23535), (45, 23574), (49, 23595), (55, 23637), (58, 23655), (104, 23814), (112, 23841), (150, 23946), (154, 23967), (170, 24054), (178, 24096), (212, 24318), (216, 24336), (228, 24426), (239, 24483), (266, 24648), (272, 24702), (273, 24714), (277, 24729), (304, 24858), (306, 24870), (323, 24930), (326, 24942), (344, 24987), (347, 25005), (388, 25152), (392, 25179), (398, 25209),

Gene: Topanga_33 Start: 23566, Stop: 25401, Start Num: 8
Candidate Starts for Topanga_33:
(Start: 8 @23566 has 170 MA's), (Start: 34 @23713 has 1 MA's), (44, 23749), (69, 23905), (81, 23974), (83, 23995), (87, 24022), (170, 24235), (173, 24253), (201, 24439), (208, 24478), (216, 24517), (224, 24574), (228, 24607), (239, 24664), (249, 24718), (260, 24790), (261, 24793), (277, 24910), (280, 24934), (283, 24949), (285, 24955), (295, 25003), (302, 25030), (316, 25084), (322, 25105), (323, 25108), (328, 25126), (346, 25183), (350, 25198), (365, 25246), (373, 25279), (381, 25309), (398, 25384),

Gene: Trike_30 Start: 21413, Stop: 23695, Start Num: 8
Candidate Starts for Trike_30:
(Start: 8 @21413 has 170 MA's), (16, 21446), (29, 21530), (44, 21596), (65, 21728), (83, 21842), (84, 21851), (93, 21935), (99, 22010), (106, 22088), (119, 22163), (122, 22208), (143, 22379), (170, 22526), (171, 22535), (173, 22544), (178, 22568), (208, 22769), (216, 22808), (228, 22898), (239, 22955), (248, 22997), (249, 23009), (257, 23060), (262, 23090), (264, 23108), (266, 23120), (283, 23240), (285, 23246), (316, 23378), (322, 23399), (323, 23402), (342, 23459), (348, 23486), (350, 23492), (373, 23573), (374, 23576), (398, 23678), (399, 23681),

Gene: Tristan_33 Start: 24889, Stop: 26664, Start Num: 8
Candidate Starts for Tristan_33:
(5, 24850), (Start: 8 @24889 has 170 MA's), (30, 25000), (32, 25009), (46, 25066), (51, 25093), (65, 25186), (101, 25279), (104, 25300), (105, 25309), (139, 25330), (141, 25342), (162, 25465), (170, 25498), (173, 25516), (178, 25540), (193, 25654), (208, 25741), (216, 25780), (219, 25792), (224, 25837), (257, 26032), (260, 26053), (283, 26212), (285, 26218), (316, 26347), (346, 26446), (350, 26461), (373, 26542), (388, 26602), (398, 26647),

Gene: Trixie_34 Start: 24439, Stop: 26220, Start Num: 10
Candidate Starts for Trixie_34:
(Start: 10 @24439 has 5 MA's), (30, 24556), (32, 24565), (58, 24697), (153, 24964), (170, 25054), (173, 25072), (178, 25096), (216, 25336), (228, 25426), (239, 25483), (259, 25606), (276, 25723), (283, 25768), (316, 25903), (322, 25924), (328, 25945), (350, 26017), (373, 26098), (381, 26128), (388, 26158),

Gene: Trooper_31 Start: 22613, Stop: 24916, Start Num: 13
Candidate Starts for Trooper_31:
(Start: 13 @22613 has 44 MA's), (18, 22634), (30, 22724), (45, 22790), (73, 22961), (92, 23105), (95, 23141), (96, 23171), (106, 23261), (118, 23327), (124, 23396), (153, 23657), (170, 23744), (173, 23762), (178, 23786), (183, 23816), (208, 23987), (219, 24038), (228, 24116), (239, 24173), (257, 24278), (260, 24299), (263, 24311), (273, 24404), (277, 24419), (280, 24443), (289, 24488), (295, 24509), (297, 24512), (312, 24575), (323, 24617), (332, 24650), (343, 24671), (359, 24743), (377, 24791), (388, 24839), (398, 24893),

Gene: TroyPia_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for TroyPia_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Tubs_33 Start: 24377, Stop: 26143, Start Num: 9
Candidate Starts for Tubs_33:
(Start: 9 @24377 has 32 MA's), (Start: 14 @24389 has 3 MA's), (45, 24563), (59, 24653), (70, 24698), (71, 24707), (105, 24785), (140, 24809), (148, 24845), (170, 24974), (173, 24992), (208, 25217), (212, 25238), (216, 25256), (228, 25346), (239, 25403), (259, 25526), (277, 25649), (283, 25688), (295, 25745), (316, 25826), (322, 25847), (323, 25850), (350, 25940), (381, 26051), (398, 26126),

Gene: Turbido_33 Start: 23266, Stop: 25470, Start Num: 12
Candidate Starts for Turbido_33:
(Start: 12 @23266 has 34 MA's), (30, 23380), (32, 23389), (38, 23422), (51, 23479), (73, 23617), (106, 23806), (124, 23941), (128, 23983), (135, 24055), (170, 24295), (173, 24313), (178, 24337), (191, 24445), (208, 24538), (216, 24577), (228, 24667), (239, 24724), (240, 24727), (251, 24784), (253, 24790), (257, 24829), (260, 24850), (289, 25039), (297, 25066), (339, 25219), (346, 25243), (360, 25297), (362, 25300), (375, 25339), (377, 25345), (388, 25393),

Gene: Twister_33 Start: 23481, Stop: 25316, Start Num: 8
Candidate Starts for Twister_33:
(Start: 8 @23481 has 170 MA's), (16, 23514), (44, 23664), (81, 23889), (83, 23910), (87, 23937), (162, 24117), (170, 24150), (173, 24168), (178, 24192), (191, 24300), (216, 24432), (224, 24489), (228, 24522), (239, 24579), (249, 24633), (254, 24648), (259, 24702), (273, 24810), (277, 24825), (280, 24849), (283, 24864), (300, 24936), (311, 24981), (316, 24999), (322, 25020), (323, 25023), (346, 25098), (350, 25113), (373, 25194), (381, 25224), (388, 25254), (398, 25299), (399, 25302),

Gene: TygerBlood_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for TygerBlood_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Ugenie5_30 Start: 24410, Stop: 26176, Start Num: 9
Candidate Starts for Ugenie5_30:
(Start: 9 @24410 has 32 MA's), (Start: 14 @24422 has 3 MA's), (45, 24596), (59, 24686), (70, 24731), (71, 24740), (105, 24818), (140, 24842), (148, 24878), (170, 25007), (173, 25025), (208, 25250), (212, 25271), (216, 25289), (228, 25379), (239, 25436), (259, 25559), (277, 25682), (283, 25721), (295, 25778), (316, 25859), (322, 25880), (323, 25883), (350, 25973), (381, 26084), (398, 26159),

Gene: Ulysses_30 Start: 22678, Stop: 24534, Start Num: 8
Candidate Starts for Ulysses_30:
(Start: 8 @22678 has 170 MA's), (30, 22804), (Start: 34 @22828 has 1 MA's), (55, 22933), (56, 22939), (61, 22987), (65, 22996), (72, 23038), (79, 23083), (101, 23089), (145, 23194), (148, 23206), (157, 23269), (159, 23284), (173, 23353), (194, 23521), (205, 23581), (211, 23608), (217, 23635), (218,

23638), (231, 23743), (237, 23764), (238, 23773), (255, 23878), (268, 23962), (280, 24061), (324, 24247), (326, 24253), (342, 24298), (354, 24349), (355, 24352), (374, 24415), (377, 24424), (397, 24511),

Gene: Updawg_33 Start: 23218, Stop: 25425, Start Num: 12
Candidate Starts for Updawg_33:
(Start: 12 @23218 has 34 MA's), (30, 23332), (32, 23341), (33, 23347), (37, 23368), (58, 23479), (73, 23569), (74, 23581), (106, 23758), (113, 23797), (124, 23893), (153, 24154), (170, 24244), (176, 24274), (178, 24286), (207, 24484), (228, 24625), (233, 24646), (249, 24736), (251, 24742), (253, 24748), (257, 24787), (260, 24808), (265, 24844), (266, 24847), (273, 24913), (277, 24928), (278, 24931), (280, 24952), (287, 24985), (323, 25129), (338, 25177), (357, 25240), (377, 25300), (388, 25348), (398, 25402),

Gene: Veracruz_31 Start: 23373, Stop: 25232, Start Num: 7
Candidate Starts for Veracruz_31:
(Start: 7 @23373 has 124 MA's), (32, 23517), (35, 23535), (45, 23574), (49, 23595), (55, 23637), (58, 23655), (104, 23814), (112, 23841), (150, 23946), (154, 23967), (170, 24054), (178, 24096), (212, 24318), (216, 24336), (228, 24426), (239, 24483), (266, 24648), (272, 24702), (273, 24714), (277, 24729), (304, 24858), (306, 24870), (323, 24930), (326, 24942), (344, 24987), (347, 25005), (388, 25152), (392, 25179), (398, 25209),

Gene: Vix_33 Start: 23359, Stop: 25116, Start Num: 7
Candidate Starts for Vix_33:
(Start: 7 @23359 has 124 MA's), (30, 23494), (45, 23560), (52, 23605), (58, 23641), (79, 23773), (105, 23809), (141, 23830), (156, 23887), (168, 23947), (181, 24001), (185, 24061), (206, 24181), (207, 24184), (221, 24253), (223, 24277), (239, 24370), (244, 24391), (253, 24436), (308, 24766), (327, 24835), (347, 24898), (394, 25069),

Gene: WalterMcMickey_33 Start: 23481, Stop: 25316, Start Num: 8
Candidate Starts for WalterMcMickey_33:
(Start: 8 @23481 has 170 MA's), (16, 23514), (44, 23664), (81, 23889), (83, 23910), (87, 23937), (162, 24117), (170, 24150), (173, 24168), (178, 24192), (191, 24300), (216, 24432), (224, 24489), (228, 24522), (239, 24579), (249, 24633), (254, 24648), (259, 24702), (273, 24810), (277, 24825), (280, 24849), (283, 24864), (300, 24936), (311, 24981), (316, 24999), (322, 25020), (323, 25023), (346, 25098), (350, 25113), (373, 25194), (381, 25224), (388, 25254), (398, 25299), (399, 25302),

Gene: Wander_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Wander_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (237, 24046), (238, 24055), (255, 24160), (262, 24199), (268, 24244), (293, 24406), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Watson_33 Start: 23269, Stop: 25026, Start Num: 7
Candidate Starts for Watson_33:
(Start: 7 @23269 has 124 MA's), (30, 23404), (45, 23470), (52, 23515), (58, 23551), (79, 23683), (105, 23719), (141, 23740), (156, 23797), (168, 23857), (181, 23911), (185, 23971), (206, 24091), (207, 24094), (221, 24163), (223, 24187), (239, 24280), (244, 24301), (253, 24346), (308, 24676), (327, 24745), (347, 24808), (394, 24979),

Gene: WeiHuaDA_36 Start: 25110, Stop: 26891, Start Num: 10

Candidate Starts for WeiHuaDA_36:
(Start: 10 @25110 has 5 MA's), (30, 25227), (32, 25236), (58, 25368), (104, 25527), (153, 25635), (154, 25638), (170, 25725), (173, 25743), (178, 25767), (208, 25968), (216, 26007), (228, 26097), (239, 26154), (249, 26208), (259, 26277), (276, 26394), (283, 26439), (316, 26574), (322, 26595), (328, 26616), (348, 26682), (373, 26769), (381, 26799), (388, 26829), (398, 26874),

Gene: Whabigail7_33 Start: 23254, Stop: 25458, Start Num: 12
Candidate Starts for Whabigail7_33:
(Start: 12 @23254 has 34 MA's), (30, 23368), (32, 23377), (38, 23410), (51, 23467), (73, 23605), (106, 23794), (124, 23929), (128, 23971), (135, 24043), (170, 24283), (173, 24301), (178, 24325), (191, 24433), (208, 24526), (216, 24565), (228, 24655), (239, 24712), (240, 24715), (251, 24772), (253, 24778), (257, 24817), (260, 24838), (289, 25027), (297, 25054), (339, 25207), (346, 25231), (360, 25285), (362, 25288), (375, 25327), (377, 25333), (388, 25381),

Gene: WideWale_33 Start: 23218, Stop: 25425, Start Num: 12
Candidate Starts for WideWale_33:
(Start: 12 @23218 has 34 MA's), (30, 23332), (32, 23341), (33, 23347), (37, 23368), (58, 23479), (73, 23569), (74, 23581), (106, 23758), (113, 23797), (124, 23893), (153, 24154), (170, 24244), (176, 24274), (178, 24286), (207, 24484), (228, 24625), (233, 24646), (249, 24736), (251, 24742), (253, 24748), (257, 24787), (260, 24808), (265, 24844), (266, 24847), (273, 24913), (277, 24928), (278, 24931), (280, 24952), (287, 24985), (323, 25129), (338, 25177), (357, 25240), (377, 25300), (388, 25348), (398, 25402),

Gene: Wilbur_31 Start: 22960, Stop: 24816, Start Num: 8
Candidate Starts for Wilbur_31:
(Start: 8 @22960 has 170 MA's), (30, 23086), (Start: 34 @23110 has 1 MA's), (55, 23215), (56, 23221), (61, 23269), (65, 23278), (72, 23320), (79, 23365), (101, 23371), (145, 23476), (148, 23488), (159, 23566), (173, 23635), (205, 23863), (210, 23887), (211, 23890), (217, 23917), (218, 23920), (231, 24025), (238, 24055), (240, 24070), (255, 24160), (262, 24199), (268, 24244), (295, 24412), (324, 24529), (326, 24535), (342, 24580), (354, 24631), (355, 24634), (374, 24697), (377, 24706), (397, 24793),

Gene: Wile_31 Start: 22982, Stop: 24841, Start Num: 8
Candidate Starts for Wile_31:
(3, 22922), (4, 22937), (Start: 8 @22982 has 170 MA's), (21, 23048), (27, 23093), (29, 23099), (Start: 34 @23132 has 1 MA's), (38, 23150), (49, 23195), (50, 23201), (51, 23207), (65, 23300), (67, 23315), (79, 23387), (114, 23447), (145, 23498), (148, 23510), (159, 23588), (173, 23657), (186, 23780), (192, 23804), (205, 23885), (214, 23930), (217, 23939), (218, 23942), (237, 24071), (238, 24080), (246, 24122), (251, 24149), (255, 24185), (259, 24212), (262, 24224), (282, 24380), (324, 24554), (326, 24560), (342, 24605), (354, 24656), (355, 24659), (366, 24695), (377, 24731),

Gene: Wizard007_31 Start: 22962, Stop: 24818, Start Num: 8
Candidate Starts for Wizard007_31:
(Start: 8 @22962 has 170 MA's), (30, 23088), (Start: 34 @23112 has 1 MA's), (55, 23217), (56, 23223), (61, 23271), (65, 23280), (72, 23322), (79, 23367), (101, 23373), (145, 23478), (148, 23490), (159, 23568), (173, 23637), (205, 23865), (210, 23889), (211, 23892), (217, 23919), (218, 23922), (231, 24027), (238, 24057), (240, 24072), (255, 24162), (262, 24201), (268, 24246), (295, 24414), (324, 24531), (326, 24537), (342, 24582), (354, 24633), (355, 24636), (374, 24699), (377, 24708), (397, 24795),

Gene: Wooldri_35 Start: 23188, Stop: 24945, Start Num: 7
Candidate Starts for Wooldri_35:

(Start: 7 @23188 has 124 MA's), (30, 23323), (45, 23389), (52, 23434), (58, 23470), (79, 23602), (105, 23638), (141, 23659), (156, 23716), (168, 23776), (181, 23830), (185, 23890), (206, 24010), (207, 24013), (221, 24082), (223, 24106), (239, 24199), (244, 24220), (253, 24265), (308, 24595), (327, 24664), (347, 24727), (394, 24898),

Gene: Xena_31 Start: 22969, Stop: 24828, Start Num: 8
Candidate Starts for Xena_31:
(3, 22909), (Start: 8 @22969 has 170 MA's), (21, 23035), (27, 23080), (29, 23086), (Start: 34 @23119 has 1 MA's), (38, 23137), (49, 23182), (50, 23188), (51, 23194), (65, 23287), (67, 23302), (79, 23374), (114, 23434), (145, 23485), (148, 23497), (159, 23575), (173, 23644), (186, 23767), (192, 23791), (205, 23872), (214, 23917), (217, 23926), (218, 23929), (237, 24058), (238, 24067), (246, 24109), (251, 24136), (255, 24172), (259, 24199), (262, 24211), (282, 24367), (324, 24541), (326, 24547), (342, 24592), (354, 24643), (355, 24646), (366, 24682), (377, 24718),

Gene: XianYue_31 Start: 22723, Stop: 24396, Start Num: 10
Candidate Starts for XianYue_31:
(Start: 10 @22723 has 5 MA's), (30, 22840), (32, 22849), (33, 22855), (37, 22876), (45, 22906), (58, 22987), (108, 23155), (114, 23179), (152, 23287), (164, 23353), (208, 23620), (252, 23833), (277, 24019), (286, 24064), (288, 24073), (301, 24124), (305, 24142), (378, 24361), (383, 24388),

Gene: YoSam321_31 Start: 22957, Stop: 24813, Start Num: 8
Candidate Starts for YoSam321_31:
(Start: 8 @22957 has 170 MA's), (30, 23083), (Start: 34 @23107 has 1 MA's), (55, 23212), (56, 23218), (61, 23266), (65, 23275), (72, 23317), (79, 23362), (101, 23368), (145, 23473), (148, 23485), (159, 23563), (173, 23632), (205, 23860), (210, 23884), (211, 23887), (217, 23914), (218, 23917), (231, 24022), (238, 24052), (240, 24067), (255, 24157), (262, 24196), (268, 24241), (295, 24409), (324, 24526), (326, 24532), (342, 24577), (354, 24628), (355, 24631), (374, 24694), (377, 24703), (397, 24790),

Gene: Zarafa_31 Start: 22901, Stop: 24760, Start Num: 7
Candidate Starts for Zarafa_31:
(Start: 7 @22901 has 124 MA's), (29, 23027), (30, 23036), (45, 23102), (49, 23123), (55, 23165), (101, 23321), (112, 23369), (144, 23438), (146, 23444), (150, 23474), (170, 23582), (173, 23600), (178, 23624), (216, 23864), (228, 23954), (251, 24071), (266, 24176), (273, 24242), (277, 24257), (315, 24428), (347, 24533), (361, 24587), (375, 24626), (388, 24680), (392, 24707), (397, 24731),

Gene: Zetzy_32 Start: 22817, Stop: 24574, Start Num: 7
Candidate Starts for Zetzy_32:
(Start: 7 @22817 has 124 MA's), (30, 22952), (45, 23018), (52, 23063), (75, 23210), (105, 23267), (141, 23288), (168, 23405), (181, 23459), (185, 23519), (202, 23612), (206, 23639), (207, 23642), (221, 23711), (223, 23735), (230, 23780), (242, 23840), (244, 23849), (253, 23894), (257, 23933), (266, 23990), (308, 24224), (327, 24293), (347, 24356), (381, 24464),