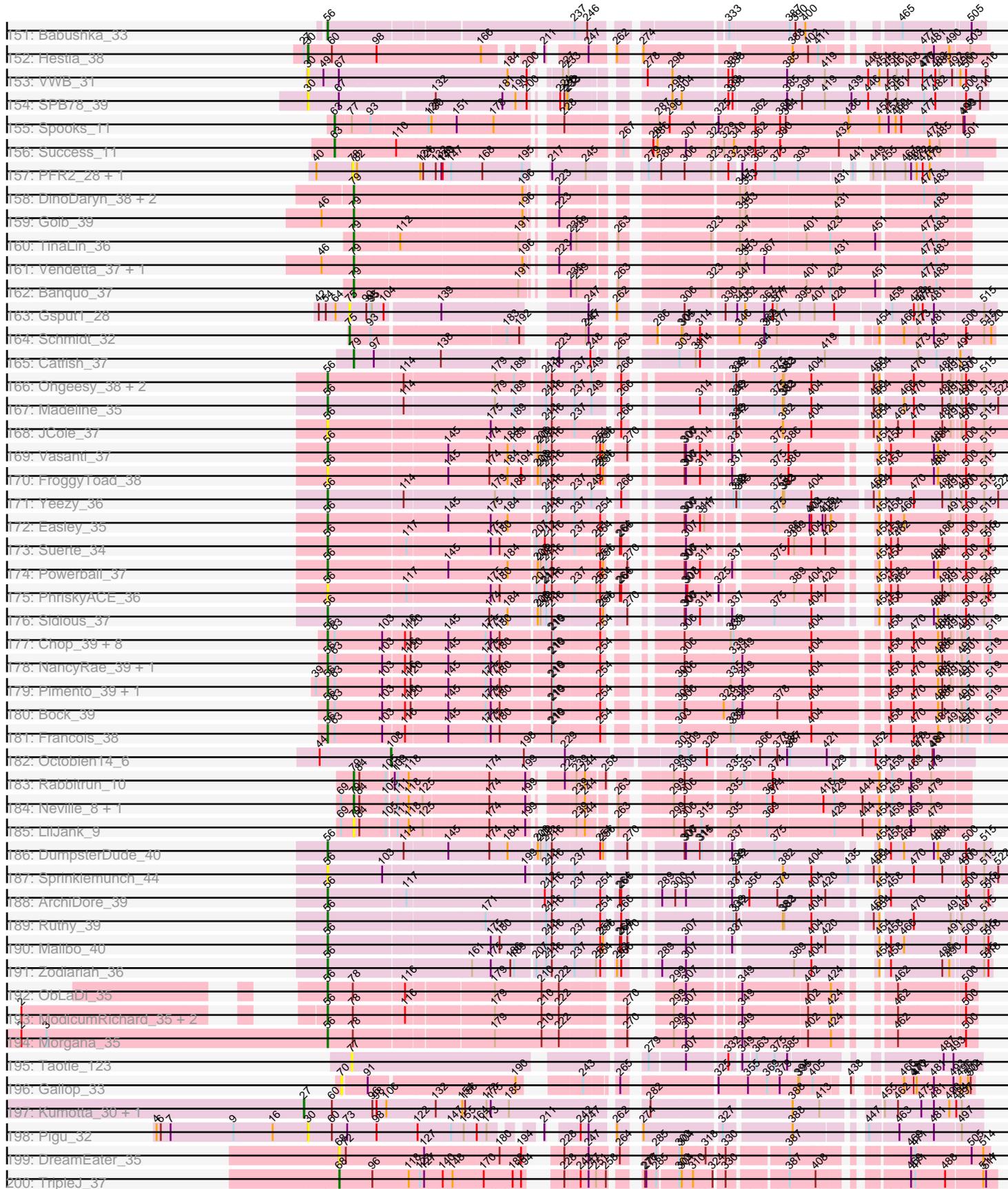
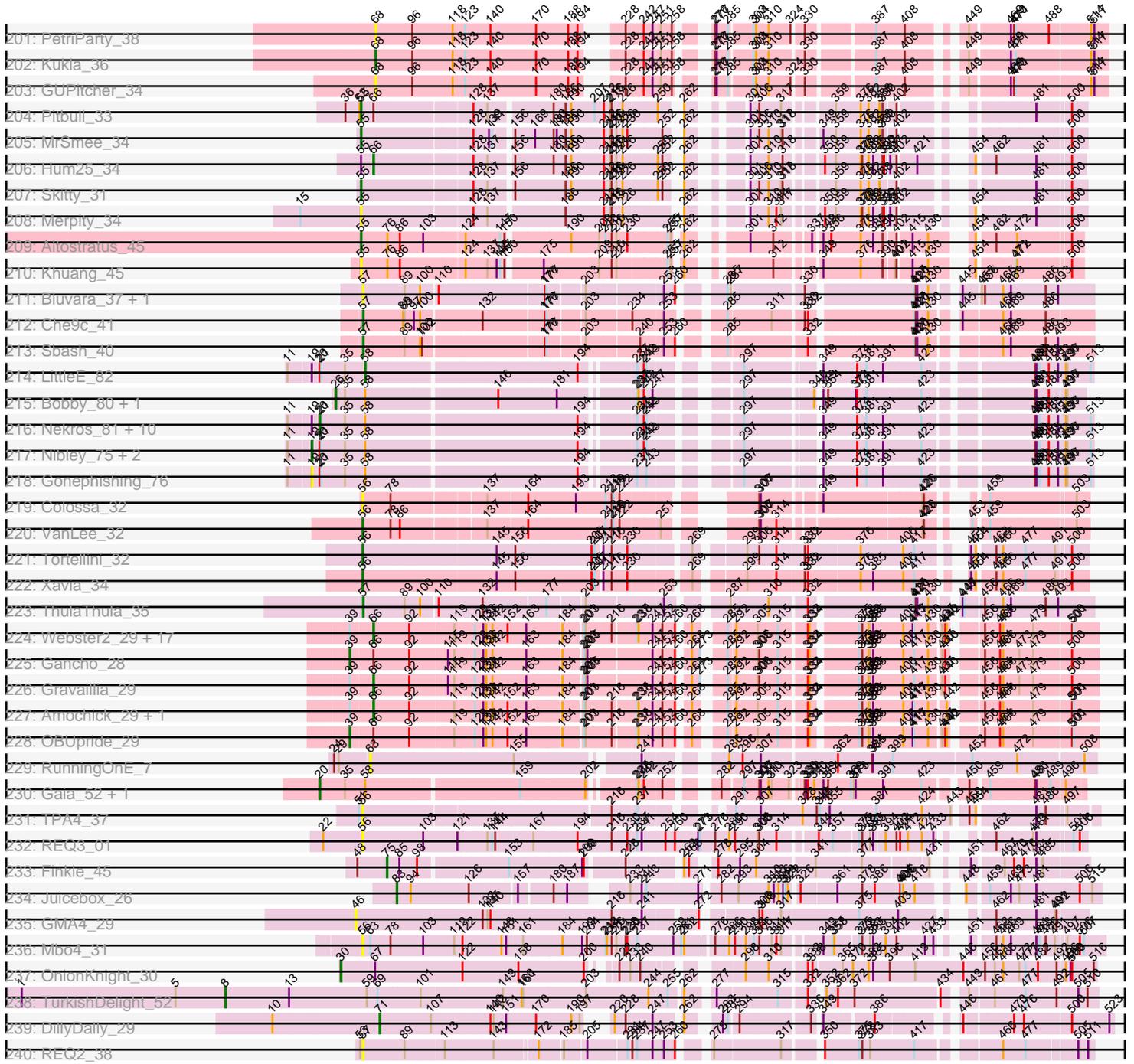


Pham 290713



Pham 290713



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 290713 Report

This analysis was run 03/28/26 on database version 641.

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

Pham number 290713 has 441 members, 81 are drafts.

Phages represented in each track:

- Track 1 : Pharaoh_32
- Track 2 : Zimmer_35
- Track 3 : Kimona_30
- Track 4 : Baehexic_34, Centaur_35, WideWale_35, Terrific_37, Updawg_35, Equemioh13_35
- Track 5 : SwirlSquare_34
- Track 6 : Gratitude_34
- Track 7 : Ph8s_35
- Track 8 : XianYue_35
- Track 9 : Iwokeuplikedis_34
- Track 10 : Bactobuster_35
- Track 11 : MajorMajor_34, Bradman_34, Quokka_33
- Track 12 : Pukovnik_35
- Track 13 : KingCyrus_36
- Track 14 : Naji_37, D29_33, D32_37
- Track 15 : Jaan_37
- Track 16 : Koduck_34, L5_33
- Track 17 : C3_31
- Track 18 : Kalpine_35
- Track 19 : LionsBait_35
- Track 20 : MiculUcigas_34
- Track 21 : Serenity_34
- Track 22 : TarsusIV_33
- Track 23 : Leogania_35
- Track 24 : AN9_36, VC3_36, ANI8_36, AN3_33, VA6_33
- Track 25 : Journey13_31
- Track 26 : WeiHuaDA_38
- Track 27 : HippoHollow_33
- Track 28 : Trixie_35
- Track 29 : SnapTap_34, Crucio_34, SweetiePie_34
- Track 30 : Agape74_35, AbbyPaige_35
- Track 31 : Heffalump_35
- Track 32 : JoshKayV_35

- Track 33 : BiancaTri92_35
- Track 34 : Pomar16_37
- Track 35 : Duplo_37
- Track 36 : Drake55_36
- Track 37 : Odin_33
- Track 38 : Larenn_35
- Track 39 : Acolyte_34
- Track 40 : Sknot_34
- Track 41 : FiringLine_34, QueenBeesly_34
- Track 42 : Piro94_34
- Track 43 : Adzzy_35
- Track 44 : IronMan_36
- Track 45 : Phaded_37
- Track 46 : GaugeLDP_35
- Track 47 : NothingSpecial_35
- Track 48 : Landor_35
- Track 49 : Turbido_34
- Track 50 : Che12_36
- Track 51 : StarStuff_37, Kerberos_37
- Track 52 : Jsquared_34
- Track 53 : Tomathan_37
- Track 54 : Dignity_35, Jerm_35
- Track 55 : EvilGenius_36
- Track 56 : Georgie2_35
- Track 57 : Superchunk_33, Caraxes_33
- Track 58 : DBQu4n_37
- Track 59 : Malec_36
- Track 60 : Anselm_35, Retro23_35, Dalmatian_35
- Track 61 : NicoleTera_37
- Track 62 : Power_33
- Track 63 : ChipMunk_36
- Track 64 : Travvers_37
- Track 65 : SemperFi_35
- Track 66 : HarryHoudini_36
- Track 67 : TipsytheTRex_33
- Track 68 : Trooper_35
- Track 69 : Whabigail7_34, LilTurb_34
- Track 70 : DudeLittle_33
- Track 71 : NaSiaTalie_34
- Track 72 : Buggy_36
- Track 73 : Colin_37
- Track 74 : Flare16_34
- Track 75 : Fameo_34
- Track 76 : MissWhite_33
- Track 77 : Tristan_35
- Track 78 : Leviathan_35
- Track 79 : QueenB2_34
- Track 80 : Smeagan_36
- Track 81 : Vix_36, Dieselweasel_36, MuchMore_38, Colbster_36, Grum1_36, JHC117_36, Grif_36, Penny1_36, EpicPhail_36, LBerry_36, MarQuardt_36, Tiffany_36, AugsMagnumOpus_38, Mainiac_36, Snickers_36, Cullens_36, Stagni_36, LugYA_38, Sabia_36, Bigflo_36, Anubis_38, P28Green_36, Phoebe_36, SoYo_36, Beauxregard13_36, MoneyMay_36, Marie_36, Sabinator_36,

Hercules11_36, StepMih_36, MadMarie_36, Croquant_37, PotatoSplit_37, Gwennie_35, BreSam8_36

- Track 82 : Microwolf_36, Lilith_36, Malinsilva_38, Farber_36
- Track 83 : Heathen_33, HelDan_33, Puppy_34
- Track 84 : Kalb97_36, Reba_36, Manu_36, Groupthink_36, Kalnoky_36, Phranny_36, PurpleHaze_35, Pawn_35, Marius_36, Heliosoles_35, PhishRPhriends_34, Gemma_35
- Track 85 : BabyJohn_32, Chiqui_32
- Track 86 : DaHudson_36, GtownJaz_36, Aglet_36, Pembroke_36, Watson_36, Lowa_36, Wooldri_38, Grub_36, PGHhamlin_38
- Track 87 : Zarafa_33, Fred313_33, DropBear_33, Scout_33
- Track 88 : Pistachio_34, Clammy_33, SaturnRing_33, BlueBird_34, Idleandcovert_33, Bugatti_33
- Track 89 : JF4_33, JF2_33, MK4_33
- Track 90 : Taurus_36, Montavir_35, GingkoMaracino_36, Fernando_36, JenCasNa_36
- Track 91 : ClownCar_36, Calvinny_36
- Track 92 : MA5_33
- Track 93 : TNguyen7_33
- Track 94 : Roimos_33, Marchesa_33
- Track 95 : Jobu08_35, SoilDragon_35
- Track 96 : JeppNRM_36, ACFishhook_35
- Track 97 : Kachowdy_33
- Track 98 : Giroux_34
- Track 99 : OlanP_35
- Track 100 : Isca_33
- Track 101 : Rockstar_33
- Track 102 : BabyRay_33
- Track 103 : Zetzy_35
- Track 104 : Ollie_36
- Track 105 : Phantastic_33
- Track 106 : HaveUMetTed_36
- Track 107 : B1_31
- Track 108 : Melvin_33, TroyPia_33, BellusTerra_33, Commander_33
- Track 109 : Abdiel_32
- Track 110 : SheldonCooper_34, Obama12_34, Cerulean_34
- Track 111 : TinaFeyge_33
- Track 112 : Maxo_33, Eurydice_33, Eagle_32, Ohfah_33, Sparxx_33, Nebs_33, Polymorphads_33
- Track 113 : Kampy_33, LeoAvram_33
- Track 114 : Phelipe_33
- Track 115 : Morrow_33
- Track 116 : ChampagnePapi_34, LHTSCC_34
- Track 117 : BangNhom_33
- Track 118 : Medusa_33
- Track 119 : Yecey3_35
- Track 120 : Mao1_43
- Track 121 : Dori_45, Mask_46
- Track 122 : Sejanus_42
- Track 123 : WileyE_35, Chickaboom_35
- Track 124 : Vulpecula_33, Basilisk_34, Ruchi_33
- Track 125 : Chicken_33
- Track 126 : TaylorSipt_34

- Track 127 : Jamun_33
- Track 128 : Zixiang_36, KendraB23_42, Shen_33
- Track 129 : Gravel_41, Pelletreau_41, Toad24_36, Westrich_40
- Track 130 : Galaxy_33
- Track 131 : Brynnie_33
- Track 132 : Abidatro_34
- Track 133 : Eesa_33
- Track 134 : Orcanus_34
- Track 135 : HannahPhantana_37, Bedetta_40, Cote_38, Polka_36, Pineda_38, Coral_36, OtsoOtso_37
- Track 136 : Melons_38
- Track 137 : Kepler_38
- Track 138 : Amelia_36, Jerole_37, Daob_38, Colusalem_37
- Track 139 : Lunar_38
- Track 140 : Cygnet_36
- Track 141 : Antrice_39
- Track 142 : Kuleana_37
- Track 143 : Zhuangyuan_38
- Track 144 : LittleTokyo_36
- Track 145 : PhluffyCoco_36, Rattail_36
- Track 146 : Atlantica_36, RedFox_36, Amphitrite_36, AmiCi24_35, DanHam62_36, AdoptaAdorb3_35, KHumphrey_36, Laphuphu24k_35, Fingolfin_36, Juno112_35, Camara_36, Oppalora_35, HamCheese_36, Glotell_37
- Track 147 : Renna12_35
- Track 148 : Azaz_37, Leona_35
- Track 149 : AlexMinion_38, StuartMinion_28
- Track 150 : Andrew_37
- Track 151 : Babushka_33
- Track 152 : Hestia_38
- Track 153 : VWB_31
- Track 154 : SPB78_39
- Track 155 : Spooks_11
- Track 156 : Success_11
- Track 157 : PFR2_28, PFR1_26
- Track 158 : DinoDaryn_38, T̄ZGordon_39, Huffy_38
- Track 159 : Goib_39
- Track 160 : TinaLin_36
- Track 161 : Vendetta_37, Splinter_37
- Track 162 : Banquo_37
- Track 163 : Gspu1_28
- Track 164 : Schmidt_32
- Track 165 : Catfish_37
- Track 166 : Ohgeesy_38, BaxterFox_37, PantheRoc_37
- Track 167 : Madeline_35
- Track 168 : JCole_37
- Track 169 : Vasanti_37
- Track 170 : FroggyToad_38
- Track 171 : Yeezy_36
- Track 172 : Easley_35
- Track 173 : Suerte_34
- Track 174 : Powerball_37
- Track 175 : PhriskyACE_36
- Track 176 : Sidious_37

- Track 177 : Chop_39, Nadeem_39, Brylie_39, Mulch_39, Ayotoya_39, Hamood_39, GrandSlam_39, Parada_39, WheatThin_39
- Track 178 : NancyRae_39, BetterKatz_39
- Track 179 : Pimento_39, DelRio_40
- Track 180 : Bock_39
- Track 181 : Francois_38
- Track 182 : Octobien14_6
- Track 183 : Rabbitrun_10
- Track 184 : Neville_8, Trax_8
- Track 185 : LilJank_9
- Track 186 : DumpsterDude_40
- Track 187 : Sprinklemunch_44
- Track 188 : ArchiDore_39
- Track 189 : Ruthy_39
- Track 190 : Malibo_40
- Track 191 : Zodiariah_36
- Track 192 : ObLaDi_35
- Track 193 : ModicumRichard_35, Aleemily_34, Cafasso_35
- Track 194 : Morgana_35
- Track 195 : Taotie_123
- Track 196 : Gallop_33
- Track 197 : Kumotta_30, MargaretKali_30
- Track 198 : Pigu_32
- Track 199 : DreamEater_35
- Track 200 : TripleJ_37
- Track 201 : PetriParty_38
- Track 202 : Kukla_36
- Track 203 : GUPitcher_34
- Track 204 : Pitbull_33
- Track 205 : MrSmee_34
- Track 206 : Hum25_34
- Track 207 : Skitty_31
- Track 208 : Merpity_34
- Track 209 : Altostratus_45
- Track 210 : Khuang_45
- Track 211 : Bluvara_37, Stuck_46
- Track 212 : Che9c_41
- Track 213 : Sbash_40
- Track 214 : LittleE_82
- Track 215 : Bobby_80, Marleymoo_72
- Track 216 : Nekros_81, Shaboozey_79, Courthouse_82, MiaZeal_87, Hannaconda_75, BronnyJames_80, Omega_85, Ariel_86, Lucky2013_84, Porcelain_86, Squint_87
- Track 217 : Nibley_75, Rearden_78, Superphikiman_84
- Track 218 : Gonephishing_76
- Track 219 : Colossa_32
- Track 220 : VanLee_32
- Track 221 : Tortellini_32
- Track 222 : Xavia_34
- Track 223 : ThulaThula_35
- Track 224 : Webster2_29, Amymech_29, Giles_29, LilHazelNut_29, Forge_29, Kinbote_29, BloominB_29, Hadrien_29, Evanesce_29, HH92_29, Wishmaker_29, Ein37_29, Dewey_29, Luna22_29, Luke_29, Hail_29, Ubuntu_29, DeepSoil15_29

- Track 225 : Gancho_28
- Track 226 : Gravaillia_29
- Track 227 : Amochick_29, Daegal_30
- Track 228 : OBUpride_29
- Track 229 : RunningOnE_7
- Track 230 : Gaia_52, Nebkiss_56
- Track 231 : TPA4_37
- Track 232 : REQ3_01
- Track 233 : Finkle_45
- Track 234 : Juicebox_26
- Track 235 : GMA4_29
- Track 236 : Mbo4_31
- Track 237 : OnionKnight_30
- Track 238 : TurkishDelight_52
- Track 239 : DillyDally_29
- Track 240 : REQ2_38

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

The start number called the most often in the published annotations is 61, it was called in 119 of the 360 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ACFishhook_35, AN3_33, AN9_36, ANI8_36, Aglet_36, Anselm_35, Anubis_38, AugsMagnumOpus_38, Baehexic_34, BangNhom_33, Beauxregard13_36, BellusTerra_33, Bigflo_36, BlueBird_34, Bradman_34, BreSam8_36, Bugatti_33, Buggy_36, Centaur_35, Clammy_33, Colbster_36, Commander_33, Croquant_37, Cullens_36, D29_33, D32_37, DBQu4n_37, DaHudson_36, Dalmatian_35, Dieselweasel_36, DropBear_33, Duplo_37, Eagle_32, EpicPhail_36, Equemioh13_35, Eurydice_33, Fred313_33, Gemma_35, Giroux_34, Grif_36, Groupthink_36, Grub_36, Grum1_36, GtownJaz_36, Gwennie_35, HaveUMetTed_36, Heathen_33, HelDan_33, Heliosoles_35, Hercules11_36, Idleandcovert_33, Isca_33, Iwokeuplikedis_34, JF2_33, JF4_33, JHC117_36, JeppNRM_36, Jobu08_35, Journey13_31, Jsquared_34, Kalb97_36, Kalnoky_36, Kimona_30, LBerry_36, Leogania_35, LionsBait_35, Lowa_36, LugYA_38, MA5_33, MK4_33, MadMarie_36, Mainiac_36, MajorMajor_34, Manu_36, MarQuardt_36, Marie_36, Marius_36, Maxo_33, Melvin_33, MiculUcigas_34, MissWhite_33, MoneyMay_36, Morrow_33, MuchMore_38, Naji_37, Nebs_33, NicoleTera_37, Ohfah_33, OlanP_35, P28Green_36, PGHhamlin_38, Pawn_35, Pembroke_36, Penny1_36, Phaded_37, PhishRPhriends_34, Phoebe_36, Phranny_36, Pistachio_34, Polymorphads_33, PotatoSplit_37, Puppy_34, PurpleHaze_35, QueenB2_34, Quokka_33, Reba_36, Retro23_35, Rockstar_33, Sabia_36, Sabinator_36, SaturnRing_33, Scout_33, Serenity_34, Smeagan_36, Snickers_36, SoYo_36, SoilDragon_35, Sparxx_33, Stagni_36, StepMih_36, TarsusIV_33, Terrific_37, Tiffany_36, TopsytheTRex_33, TroyPia_33, Updawg_35, VA6_33, VC3_36, Vix_36, Watson_36, WeiHuaDA_38, WideWale_35, Wooldri_38, Zarafa_33,

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

- Abdiel_32, Acolyte_34, B1_31, Bactobuster_35, C3_31, Calvinny_36, Cerulean_34, ChampagnePapi_34, ClownCar_36, Crucio_34, Drake55_36, Farber_36,

Fernando_36, Flare16_34, GaugeLDP_35, GingkoMaracino_36, Gratitude_34, JenCasNa_36, Kachowdy_33, Kampy_33, Kerberos_37, LHTSCC_34, LeoAvram_33, Lilith_36, Malinsilva_38, Marchesa_33, Medusa_33, Microwolf_36, Montavir_35, NaSiaTalie_34, NothingSpecial_35, Obama12_34, Ollie_36, Phelipe_33, Pomar16_37, Roimos_33, SheldonCooper_34, Sknot_34, SnapTap_34, StarStuff_37, SweetiePie_34, Taurus_36, TinaFeyge_33, Tomathan_37, Travvers_37, Trixie_35, Trooper_35, Zetzy_35,

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

- AbbyPaige_35, Abidatro_34, AdoptaAdorbs_35, Adzzy_35, Agape74_35, Aleemily_34, AlexMinion_38, Altostratus_45, Amelia_36, AmiCi24_35, Amochick_29, Amphitrite_36, Amymech_29, Andrew_37, Antrice_39, ArchiDore_39, Ariel_86, Atlantica_36, Ayotoya_39, Azaz_37, Babushka_33, BabyJohn_32, BabyRay_33, Banquo_37, Basilisk_34, BaxterFox_37, Bedetta_40, BetterKatz_39, BiancaTri92_35, BloominB_29, Bluvara_37, Bobby_80, Bock_39, BronnyJames_80, Brylie_39, Brynnie_33, Cafasso_35, Camara_36, Caraxes_33, Catfish_37, Che12_36, Che9c_41, Chickaboom_35, Chicken_33, ChipMunk_36, Chiqui_32, Chop_39, Colin_37, Colossa_32, Colusalem_37, Coral_36, Cote_38, Courthouse_82, Cygnet_36, Daegal_30, DanHam62_36, Daob_38, DeepSoil15_29, DelRio_40, Dewey_29, Dignity_35, DillyDally_29, DinoDaryn_38, Dori_45, DreamEater_35, DudeLittle_33, DumpsterDude_40, Easley_35, Eesa_33, Ein37_29, Evanesce_29, EvilGenius_36, Fameo_34, Fingolfin_36, Finkle_45, FiringLine_34, Forge_29, Francois_38, FroggyToad_38, GMA4_29, GUPitcher_34, Gaia_52, Galaxy_33, Gallop_33, Gancho_28, Georgie2_35, Giles_29, Glotell_37, Goib_39, Gonephishing_76, GrandSlam_39, Gravaillia_29, Gravel_41, Gspu1_28, HH92_29, Hadrien_29, Hail_29, HamCheese_36, Hamood_39, Hannaconda_75, HannahPhantana_37, HarryHoudini_36, Heffalump_35, Hestia_38, HippoHollow_33, Huffy_38, Hum25_34, IronMan_36, JCole_37, Jaan_37, Jamun_33, Jerm_35, Jerole_37, JoshKayV_35, Juicebox_26, Juno112_35, KHumphrey_36, Kalpine_35, KendraB23_42, Kepler_38, Khuang_45, Kinbote_29, KingCyrus_36, Koduck_34, Kukla_36, Kuleana_37, Kumotta_30, L5_33, Landor_35, Laphuphu24k_35, Larenn_35, Leona_35, Leviathan_35, LilHazelnut_29, LilJank_9, LilTurb_34, LittleE_82, LittleTokyo_36, Lucky2013_84, Luke_29, Luna22_29, Lunar_38, Madeline_35, Malec_36, Malibo_40, Mao1_43, MargaretKali_30, Marleymoo_72, Mask_46, Mbo4_31, Melons_38, Merpity_34, MiaZeal_87, ModicumRichard_35, Morgana_35, MrSmee_34, Mulch_39, Nadeem_39, NancyRae_39, Nebkiss_56, Nekros_81, Neville_8, Nibley_75, OBUpride_29, ObLaDi_35, Octobien14_6, Odin_33, Ohgeesy_38, Omega_85, OnionKnight_30, Oppalora_35, Orcanus_34, OtsoOtso_37, PFR1_26, PFR2_28, PantheRoc_37, Parada_39, Pelletreau_41, PetriParty_38, Ph8s_35, Phantastic_33, Pharaoh_32, PhluffyCoco_36, PhriskyACE_36, Pigu_32, Pimento_39, Pineda_38, Piro94_34, Pitbull_33, Polka_36, Porcelain_86, Power_33, Powerball_37, Pukovnik_35, QueenBeesly_34, REQ2_38, REQ3_01, Rabbitrun_10, Rattail_36, Rearden_78, RedFox_36, Renna12_35, Ruchi_33, RunningOnE_7, Ruthy_39, SPB78_39, Sbash_40, Schmidt_32, Sejanus_42, SemperFi_35, Shaboozey_79, Shen_33, Sidious_37, Skitty_31, Splinter_37, Spooks_11, Sprinklemunch_44, Squint_87, StuartMinion_28, Stuck_46, Success_11, Suerte_34, Superchunk_33, Superphikiman_84, SwirlSquare_34, TNguyen7_33, TPA4_37, TZGordon_39, Taotie_123, TaylorSipt_34, ThulaThula_35, TinaLin_36, Toad24_36, Tortellini_32, Trax_8, TripleJ_37, Tristan_35, Turbido_34, TurkishDelight_52, Ubuntu_29, VWB_31, VanLee_32, Vasanti_37, Vendetta_37, Vulpecula_33, Webster2_29, Westrich_40, Whabigail7_34, WheatThin_39, WileyE_35, Wishmaker_29, Xavia_34, XianYue_35, Yecey3_35, Yeezy_36, Zhuangyuan_38, Zimmer_35, Zixiang_36, Zodiariah_36,

Summary by start number:

Start 8:

- Found in 1 of 441 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TurkishDelight_52 (singleton),

Start 19:

- Found in 16 of 441 (3.6%) of genes in pham
- Manual Annotations of this start: 1 of 360
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Gonephishing_76 (J), Nibley_75 (J), Rearden_78 (J), Superphikiman_84 (J),

Start 20:

- Found in 18 of 441 (4.1%) of genes in pham
- Manual Annotations of this start: 10 of 360
- Called 72.2% of time when present
- Phage (with cluster) where this start called: Ariel_86 (J), BronnyJames_80 (J), Courthouse_82 (J), Gaia_52 (X), Hannaconda_75 (J), Lucky2013_84 (J), MiaZeal_87 (J), Nebkiss_56 (X), Nekros_81 (J), Omega_85 (J), Porcelain_86 (J), Shaboozey_79 (J), Squint_87 (J),

Start 23:

- Found in 34 of 441 (7.7%) of genes in pham
- Manual Annotations of this start: 2 of 360
- Called 5.9% of time when present
- Phage (with cluster) where this start called: GaugeLDP_35 (A2), Sknot_34 (A2),

Start 26:

- Found in 2 of 441 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bobby_80 (J), Marleymoo_72 (J),

Start 27:

- Found in 3 of 441 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 360
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Kumotta_30 (FB), MargaretKali_30 (FB),

Start 30:

- Found in 5 of 441 (1.1%) of genes in pham
- Manual Annotations of this start: 2 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hestia_38 (AY), OnionKnight_30 (singleton), Pigu_32 (FB), SPB78_39 (BA), VWB_31 (BA),

Start 32:

- Found in 22 of 441 (5.0%) of genes in pham
- Manual Annotations of this start: 3 of 360

- Called 13.6% of time when present
- Phage (with cluster) where this start called: Abdiel_32 (A4), Phelipe_33 (A4), TinaFeyge_33 (A4),

Start 34:

- Found in 8 of 441 (1.8%) of genes in pham
- Manual Annotations of this start: 1 of 360
- Called 12.5% of time when present
- Phage (with cluster) where this start called: B1_31 (A3),

Start 38:

- Found in 15 of 441 (3.4%) of genes in pham
- Manual Annotations of this start: 7 of 360
- Called 46.7% of time when present
- Phage (with cluster) where this start called: AbbyPaige_35 (A2), Agape74_35 (A2), ChipMunk_36 (A2), Larenn_35 (A2), Leviathan_35 (A2), LilTurb_34 (A2), Whabigail7_34 (A2),

Start 39:

- Found in 25 of 441 (5.7%) of genes in pham
- Manual Annotations of this start: 2 of 360
- Called 8.0% of time when present
- Phage (with cluster) where this start called: Gancho_28 (Q), OBUpride_29 (Q),

Start 45:

- Found in 2 of 441 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phantastic_33 (A3), TNguyen7_33 (A3),

Start 46:

- Found in 4 of 441 (0.9%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: GMA4_29 (singleton),

Start 50:

- Found in 15 of 441 (3.4%) of genes in pham
- Manual Annotations of this start: 5 of 360
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Dignity_35 (A2), HippoHollow_33 (A2), IronMan_36 (A2), Jerm_35 (A2), KingCyrus_36 (A2), Turbido_34 (A2),

Start 51:

- Found in 3 of 441 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 360
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Landor_35 (A2),

Start 53:

- Found in 11 of 441 (2.5%) of genes in pham
- Manual Annotations of this start: 6 of 360
- Called 72.7% of time when present

- Phage (with cluster) where this start called: BabyJohn_32 (A3), BabyRay_33 (A3), Chiqui_32 (A3), Jaan_37 (A2), Pharaoh_32 (A12), Pukovnik_35 (A2), Tristan_35 (A2), Yecey3_35 (A9),

Start 55:

- Found in 7 of 441 (1.6%) of genes in pham
- Manual Annotations of this start: 4 of 360
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Altostratus_45 (FS), Khuang_45 (FS), Merpity_34 (FQ), MrSmee_34 (FQ), Pitbull_33 (FQ), Skitty_31 (FQ),

Start 56:

- Found in 108 of 441 (24.5%) of genes in pham
- Manual Annotations of this start: 82 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abidatro_34 (AS1), AdoptaAdorbs_35 (AS3), Aleemily_34 (DZ), AlexMinion_38 (AS3), Amelia_36 (AS2), AmiCi24_35 (AS3), Amphitrite_36 (AS3), Andrew_37 (AS3), Antrice_39 (AS2), ArchiDore_39 (DW), Atlantica_36 (AS3), Ayotoya_39 (DI), Azaz_37 (AS3), Babushka_33 (AS3), Basilisk_34 (AS1), BaxterFox_37 (CZ3), Bedetta_40 (AS2), BetterKatz_39 (DI), Bock_39 (DI), Brylie_39 (DI), Brynnie_33 (AS1), Cafasso_35 (DZ), Camara_36 (AS3), Chickaboom_35 (AS1), Chicken_33 (AS1), Chop_39 (DI), Colossa_32 (KA), Colusalem_37 (AS2), Coral_36 (AS2), Cote_38 (AS2), Cygnet_36 (AS2), DanHam62_36 (AS3), Daob_38 (AS2), DelRio_40 (DI), DumpsterDude_40 (DW), Easley_35 (CZ4), Eesa_33 (AS1), Fingolfin_36 (AS3), Francois_38 (DI), FroggyToad_38 (CZ2), Galaxy_33 (AS1), Glotell_37 (AS3), GrandSlam_39 (DI), Gravel_41 (AS1), HamCheese_36 (AS3), Hamood_39 (DI), HannahPhantana_37 (AS2), JCole_37 (CZ2), Jamun_33 (AS1), Jerole_37 (AS2), Juno112_35 (AS3), KHumphrey_36 (AS3), KendraB23_42 (AS1), Kepler_38 (AS2), Kuleana_37 (AS2), Laphuphu24k_35 (AS3), Leona_35 (AS3), LittleTokyo_36 (AS2), Lunar_38 (AS2), Madeline_35 (CZ1), Malibo_40 (DW), Mbo4_31 (singleton), Melons_38 (AS2), ModicumRichard_35 (DZ), Morgana_35 (DZ), Mulch_39 (DI), Nadeem_39 (DI), NancyRae_39 (DI), ObLaDi_35 (DZ), Ohgeesy_38 (CZ), Oppalora_35 (AS3), Orcanus_34 (AS1), OtsoOtso_37 (AS2), PantheRoc_37 (CZ3), Parada_39 (DI), Pelletreau_41 (AS1), PhluffyCoco_36 (AS3), PhriskyACE_36 (CZ4), Pimento_39 (DI), Pineda_38 (AS2), Polka_36 (AS2), Powerball_37 (CZ4), REQ3_01 (singleton), Rattail_36 (AS3), RedFox_36 (AS3), Renna12_35 (AS3), Ruchi_33 (AS1), Ruthy_39 (DW), Shen_33 (AS1), Sidious_37 (CZ7), Sprinklemunch_44 (DW), StuartMinion_28 (AS3), Suerte_34 (CZ4), TPA4_37 (singleton), TaylorSipht_34 (AS1), Toad24_36 (AS1), Tortellini_32 (P2), VanLee_32 (KA), Vasanti_37 (CZ2), Vulpecula_33 (AS1), Westrich_40 (AS1), WheatThin_39 (DI), WileyE_35 (AS1), Xavia_34 (P3), Yeezy_36 (CZ3), Zhuangyuan_38 (AS2), Zixiang_36 (AS1), Zodiariah_36 (DW),

Start 57:

- Found in 10 of 441 (2.3%) of genes in pham
- Manual Annotations of this start: 7 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bluvara_37 (I), Che9c_41 (I2), Dori_45 (AD), Mao1_43 (AD), Mask_46 (AD), REQ2_38 (singleton), Sbash_40 (I2), Sejanus_42 (AD), Stuck_46 (I2), ThulaThula_35 (P5),

Start 58:

- Found in 20 of 441 (4.5%) of genes in pham

- Manual Annotations of this start: 1 of 360
- Called 5.0% of time when present
- Phage (with cluster) where this start called: LittleE_82 (J),

Start 61:

- Found in 182 of 441 (41.3%) of genes in pham
- Manual Annotations of this start: 119 of 360
- Called 73.6% of time when present
- Phage (with cluster) where this start called: ACFishhook_35 (A3), AN3_33 (A2), AN9_36 (A2), ANI8_36 (A2), Aglet_36 (A3), Anselm_35 (A2), Anubis_38 (A3), AugsMagnumOpus_38 (A3), Baehexic_34 (A2), BangNhom_33 (A4), Beauxregard13_36 (A3), BellusTerra_33 (A4), Bigflo_36 (A3), BlueBird_34 (A3), Bradman_34 (A2), BreSam8_36 (A3), Bugatti_33 (A3), Buggy_36 (A2), Centaur_35 (A2), Clammy_33 (A3), Colbster_36 (A3), Commander_33 (A4), Croquant_37 (A3), Cullens_36 (A3), D29_33 (A2), D32_37 (A2), DBQu4n_37 (A2), DaHudson_36 (A3), Dalmatian_35 (A2), Dieselweasel_36 (A3), DropBear_33 (A3), Duplo_37 (A2), Eagle_32 (A4), EpicPhail_36 (A3), Equemioh13_35 (A2), Eurydice_33 (A4), Fred313_33 (A3), Gemma_35 (A3), Giroux_34 (A3), Grif_36 (A3), Groupthink_36 (A3), Grub_36 (A3), Grum1_36 (A3), GtownJaz_36 (A3), Gwennie_35 (A3), HaveUMetTed_36 (A3), Heathen_33 (A3), HelDan_33 (A3), Heliosoles_35 (A3), Hercules11_36 (A3), Idleandcovert_33 (A3), Isca_33 (A3), Iwokeuplikedis_34 (A2), JF2_33 (A3), JF4_33 (A3), JHC117_36 (A3), JeppNRM_36 (A3), Jobu08_35 (A3), Journey13_31 (A2), Jsquared_34 (A2), Kalb97_36 (A3), Kalnoky_36 (A3), Kimona_30 (A19), LBerry_36 (A3), Leogania_35 (A2), LionsBait_35 (A2), Lowa_36 (A3), LugYA_38 (A3), MA5_33 (A3), MK4_33 (A3), MadMarie_36 (A3), Mainiac_36 (A3), MajorMajor_34 (A2), Manu_36 (A3), MarQuardt_36 (A3), Marie_36 (A3), Marius_36 (A3), Maxo_33 (A4), Melvin_33 (A4), MiculUcigas_34 (A2), MissWhite_33 (A2), MoneyMay_36 (A3), Morrow_33 (A4), MuchMore_38 (A3), Naji_37 (A2), Nebs_33 (A4), NicoleTera_37 (A2), Ohfah_33 (A4), OlanP_35 (A3), P28Green_36 (A3), PGHhamlin_38 (A3), Pawn_35 (A3), Pembroke_36 (A3), Penny1_36 (A3), Phaded_37 (A2), PhishRPhriends_34 (A3), Phoebe_36 (A3), Phranny_36 (A3), Pistachio_34 (A3), Polymorphads_33 (A4), PotatoSplit_37 (A3), Puppy_34 (A3), PurpleHaze_35 (A3), QueenB2_34 (A2), Quokka_33 (A2), Reba_36 (A3), Retro23_35 (A2), Rockstar_33 (A3), Sabia_36 (A3), Sabinator_36 (A3), SaturnRing_33 (A3), Scout_33 (A3), Serenity_34 (A2), Smeagan_36 (A2), Snickers_36 (A3), SoYo_36 (A3), SoilDragon_35 (A3), Sparxx_33 (A4), Stagni_36 (A3), StepMih_36 (A3), TarsusIV_33 (A2), Terrific_37 (A2), Tiffany_36 (A3), TopsytheTRex_33 (A2), TroyPia_33 (A4), Updawg_35 (A2), VA6_33 (A2), VC3_36 (A2), Vix_36 (A3), Watson_36 (A3), WeiHuaDA_38 (A2), WideWale_35 (A2), Wooldri_38 (A3), Zarafa_33 (A3),

Start 62:

- Found in 5 of 441 (1.1%) of genes in pham
- Manual Annotations of this start: 4 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Colin_37 (A2), Kalpine_35 (A2), Piro94_34 (A2), XianYue_35 (A2), Zimmer_35 (A12),

Start 63:

- Found in 19 of 441 (4.3%) of genes in pham
- Manual Annotations of this start: 2 of 360
- Called 15.8% of time when present

- Phage (with cluster) where this start called: RunningOnE_7 (UNK), Spooks_11 (BT), Success_11 (BT),

Start 64:

- Found in 10 of 441 (2.3%) of genes in pham
- Manual Annotations of this start: 8 of 360
- Called 80.0% of time when present
- Phage (with cluster) where this start called: BiancaTri92_35 (A2), DudeLittle_33 (A2), FiringLine_34 (A2), Georgie2_35 (A2), JoshKayV_35 (A2), Power_33 (A2), QueenBeesly_34 (A2), SemperFi_35 (A2),

Start 65:

- Found in 10 of 441 (2.3%) of genes in pham
- Manual Annotations of this start: 8 of 360
- Called 90.0% of time when present
- Phage (with cluster) where this start called: Adzzy_35 (A2), Caraxes_33 (A2), Che12_36 (A2), HarryHoudini_36 (A2), Koduck_34 (A2), L5_33 (A2), Odin_33 (A2), Superchunk_33 (A2), SwirlSquare_34 (A2),

Start 66:

- Found in 25 of 441 (5.7%) of genes in pham
- Manual Annotations of this start: 21 of 360
- Called 88.0% of time when present
- Phage (with cluster) where this start called: Amochick_29 (Q), Amymech_29 (Q), BloominB_29 (Q), Daegal_30 (Q), DeepSoil15_29 (Q), Dewey_29 (Q), Ein37_29 (Q), Evanesce_29 (Q), Forge_29 (Q), Giles_29 (Q), Gravaillia_29 (Q), HH92_29 (Q), Hadrien_29 (Q), Hail_29 (Q), Hum25_34 (FQ), Kinbote_29 (Q), LilHazelnut_29 (Q), Luke_29 (Q), Luna22_29 (Q), Ubuntu_29 (Q), Webster2_29 (Q), Wishmaker_29 (Q),

Start 68:

- Found in 6 of 441 (1.4%) of genes in pham
- Manual Annotations of this start: 3 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DreamEater_35 (FJ), GUPitcher_34 (FJ), Kukla_36 (FJ), Malec_36 (A2), PetriParty_38 (FJ), TripleJ_37 (FJ),

Start 70:

- Found in 1 of 441 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gallop_33 (ES),

Start 71:

- Found in 1 of 441 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DillyDally_29 (singleton),

Start 75:

- Found in 3 of 441 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 360
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Finkle_45 (singleton), Gspu1_28 (CU2), Schmidt_32 (CU4),

Start 77:

- Found in 2 of 441 (0.5%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Taotie_123 (EQ),

Start 78:

- Found in 10 of 441 (2.3%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: PFR1_26 (BX), PFR2_28 (BX),

Start 79:

- Found in 15 of 441 (3.4%) of genes in pham
- Manual Annotations of this start: 12 of 360
- Called 86.7% of time when present
- Phage (with cluster) where this start called: Banquo_37 (CU1), Catfish_37 (CU5), DinoDaryn_38 (CU1), Goib_39 (CU1), Huffy_38 (CU1), LilJank_9 (DU2), Neville_8 (DU2), Rabbitrun_10 (DU2), Splinter_37 (CU1), TZGordon_39 (CU1), TinaLin_36 (CU1), Trax_8 (DU2), Vendetta_37 (CU1),

Start 81:

- Found in 65 of 441 (14.7%) of genes in pham
- Manual Annotations of this start: 10 of 360
- Called 16.9% of time when present
- Phage (with cluster) where this start called: Farber_36 (A3), Fernando_36 (A3), GingkoMaracino_36 (A3), JenCasNa_36 (A3), Lilith_36 (A3), Malinsilva_38 (A3), Microwolf_36 (A3), Montavir_35 (A3), Ollie_36 (A3), Taurus_36 (A3), Zetzy_35 (A3),

Start 83:

- Found in 1 of 441 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Juicebox_26 (singleton),

Start 87:

- Found in 69 of 441 (15.6%) of genes in pham
- Manual Annotations of this start: 14 of 360
- Called 26.1% of time when present
- Phage (with cluster) where this start called: Acolyte_34 (A2), C3_31 (A2), Calvinny_36 (A3), ClownCar_36 (A3), Crucio_34 (A2), Drake55_36 (A2), Fameo_34 (A2), Flare16_34 (A2), Gratitude_34 (A2), Kerberos_37 (A2), Pomar16_37 (A2), SnapTap_34 (A2), StarStuff_37 (A2), SweetiePie_34 (A2), Tomathan_37 (A2), Travvers_37 (A2), Trixie_35 (A2), Trooper_35 (A2),

Start 92:

- Found in 66 of 441 (15.0%) of genes in pham
- Manual Annotations of this start: 8 of 360
- Called 12.1% of time when present

- Phage (with cluster) where this start called: Cerulean_34 (A4), ChampagnePapi_34 (A4), Kampy_33 (A4), LHTSCC_34 (A4), LeoAvram_33 (A4), NothingSpecial_35 (A2), Obama12_34 (A4), SheldonCooper_34 (A4),

Start 99:

- Found in 72 of 441 (16.3%) of genes in pham
- No Manual Annotations of this start.
- Called 4.2% of time when present
- Phage (with cluster) where this start called: Kachowdy_33 (A3), Marchesa_33 (A3), Roimos_33 (A3),

Start 108:

- Found in 1 of 441 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Octobien14_6 (DU1),

Start 110:

- Found in 237 of 441 (53.7%) of genes in pham
- Manual Annotations of this start: 6 of 360
- Called 2.5% of time when present
- Phage (with cluster) where this start called: Bactobuster_35 (A2), EvilGenius_36 (A2), Heffalump_35 (A2), Medusa_33 (A4), NaSiaTalie_34 (A2), Ph8s_35 (A2),

Summary by clusters:

There are 46 clusters represented in this pham: FQ, singleton, FS, BA, DI, CZ2, CZ3, P3, CZ1, CZ7, CZ4, BT, FB, DZ, DW, FJ, BX, CU5, CU4, CU2, CU1, A12, I2, A19, A3, A2, A4, A9, DU1, DU2, AS3, AS2, AS1, AD, P5, I, J, Q, CZ, AY, X, UNK, EQ, ES, KA, P2,

Info for manual annotations of cluster A12:

- Start number 53 was manually annotated 1 time for cluster A12.
- Start number 62 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A19:

- Start number 61 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 23 was manually annotated 2 times for cluster A2.
- Start number 38 was manually annotated 7 times for cluster A2.
- Start number 50 was manually annotated 5 times for cluster A2.
- Start number 51 was manually annotated 1 time for cluster A2.
- Start number 53 was manually annotated 3 times for cluster A2.
- Start number 61 was manually annotated 32 times for cluster A2.
- Start number 62 was manually annotated 3 times for cluster A2.
- Start number 64 was manually annotated 8 times for cluster A2.
- Start number 65 was manually annotated 8 times for cluster A2.
- Start number 68 was manually annotated 1 time for cluster A2.
- Start number 87 was manually annotated 14 times for cluster A2.
- Start number 92 was manually annotated 1 time for cluster A2.
- Start number 110 was manually annotated 5 times for cluster A2.

Info for manual annotations of cluster A3:

- Start number 34 was manually annotated 1 time for cluster A3.
- Start number 45 was manually annotated 2 times for cluster A3.
- Start number 53 was manually annotated 1 time for cluster A3.
- Start number 61 was manually annotated 73 times for cluster A3.
- Start number 81 was manually annotated 10 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 32 was manually annotated 3 times for cluster A4.
- Start number 61 was manually annotated 13 times for cluster A4.
- Start number 92 was manually annotated 7 times for cluster A4.
- Start number 110 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster A9:

- Start number 53 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AD:

- Start number 57 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster AS1:

- Start number 56 was manually annotated 13 times for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 56 was manually annotated 17 times for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 56 was manually annotated 14 times for cluster AS3.

Info for manual annotations of cluster AY:

- Start number 30 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster BT:

- Start number 63 was manually annotated 2 times for cluster BT.

Info for manual annotations of cluster CU1:

- Start number 79 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU4:

- Start number 75 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 79 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CZ:

- Start number 56 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 56 was manually annotated 1 time for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 56 was manually annotated 1 time for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 56 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 56 was manually annotated 3 times for cluster CZ4.

Info for manual annotations of cluster CZ7:

- Start number 56 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster DI:

- Start number 56 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DU1:

- Start number 108 was manually annotated 1 time for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 79 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster DW:

- Start number 56 was manually annotated 5 times for cluster DW.

Info for manual annotations of cluster DZ:

- Start number 56 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster FB:

- Start number 27 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FJ:

- Start number 68 was manually annotated 2 times for cluster FJ.

Info for manual annotations of cluster FQ:

- Start number 55 was manually annotated 3 times for cluster FQ.
- Start number 66 was manually annotated 1 time for cluster FQ.

Info for manual annotations of cluster FS:

- Start number 55 was manually annotated 1 time for cluster FS.

Info for manual annotations of cluster I2:

- Start number 57 was manually annotated 2 times for cluster I2.

Info for manual annotations of cluster J:

- Start number 19 was manually annotated 1 time for cluster J.
- Start number 20 was manually annotated 8 times for cluster J.
- Start number 26 was manually annotated 1 time for cluster J.
- Start number 58 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster KA:

- Start number 56 was manually annotated 1 time for cluster KA.

Info for manual annotations of cluster P2:

- Start number 56 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 56 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P5:

- Start number 57 was manually annotated 1 time for cluster P5.

Info for manual annotations of cluster Q:

- Start number 39 was manually annotated 2 times for cluster Q.
- Start number 66 was manually annotated 20 times for cluster Q.

Info for manual annotations of cluster X:

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

Gene Information:

Gene: ACFishhook_35 Start: 26718, Stop: 25579, Start Num: 61

Candidate Starts for ACFishhook_35:

(Start: 23 @26781 has 2 MA's), (Start: 61 @26718 has 119 MA's), (Start: 87 @26664 has 14 MA's), (Start: 110 @26595 has 6 MA's), (181, 26376), (184, 26367), (218, 26331), (243, 26274), (276, 26196), (285, 26172), (292, 26163), (324, 26061), (330, 26043), (336, 26031), (375, 25956), (378, 25950), (385, 25929), (390, 25914), (398, 25896), (409, 25872), (473, 25713), (474, 25710), (481, 25680), (483, 25674), (486, 25662), (500, 25623),

Gene: AN3_33 Start: 26414, Stop: 25290, Start Num: 61

Candidate Starts for AN3_33:

(28, 26468), (Start: 61 @26414 has 119 MA's), (Start: 87 @26360 has 14 MA's), (Start: 110 @26291 has 6 MA's), (178, 26090), (184, 26063), (218, 26027), (242, 25973), (243, 25970), (252, 25943), (276, 25892), (292, 25859), (296, 25847), (302, 25829), (324, 25757), (330, 25739), (336, 25727), (363, 25688), (375, 25652), (378, 25646), (385, 25625), (390, 25610), (398, 25592), (410, 25565), (461, 25454), (474, 25406), (475, 25403), (481, 25376), (483, 25370), (486, 25358), (500, 25319),

Gene: AN9_36 Start: 26399, Stop: 25275, Start Num: 61

Candidate Starts for AN9_36:

(28, 26453), (Start: 61 @26399 has 119 MA's), (Start: 87 @26345 has 14 MA's), (Start: 110 @26276 has 6 MA's), (178, 26075), (184, 26048), (218, 26012), (242, 25958), (243, 25955), (252, 25928), (276, 25877), (292, 25844), (296, 25832), (302, 25814), (324, 25742), (330, 25724), (336, 25712), (363, 25673), (375, 25637), (378, 25631), (385, 25610), (390, 25595), (398, 25577), (410, 25550), (461, 25439), (474, 25391), (475, 25388), (481, 25361), (483, 25355), (486, 25343), (500, 25304),

Gene: ANI8_36 Start: 26399, Stop: 25275, Start Num: 61

Candidate Starts for ANI8_36:

(28, 26453), (Start: 61 @26399 has 119 MA's), (Start: 87 @26345 has 14 MA's), (Start: 110 @26276 has 6 MA's), (178, 26075), (184, 26048), (218, 26012), (242, 25958), (243, 25955), (252, 25928), (276, 25877), (292, 25844), (296, 25832), (302, 25814), (324, 25742), (330, 25724), (336, 25712), (363, 25673), (375, 25637), (378, 25631), (385, 25610), (390, 25595), (398, 25577), (410, 25550), (461, 25439), (474, 25391), (475, 25388), (481, 25361), (483, 25355), (486, 25343), (500, 25304),

Gene: AbbyPaige_35 Start: 26720, Stop: 25575, Start Num: 38

Candidate Starts for AbbyPaige_35:

(Start: 38 @26720 has 7 MA's), (Start: 50 @26702 has 5 MA's), (Start: 92 @26618 has 8 MA's), (Start: 110 @26570 has 6 MA's), (122, 26525), (184, 26342), (218, 26306), (243, 26249), (247, 26237), (292, 26138), (296, 26126), (302, 26108), (330, 26018), (336, 26006), (375, 25931), (378, 25925), (385, 25904), (390, 25889), (398, 25871), (410, 25844), (461, 25733), (474, 25685), (475, 25682), (481, 25655), (483, 25649), (486, 25637), (500, 25598),

Gene: Abdiel_32 Start: 26295, Stop: 25129, Start Num: 32

Candidate Starts for Abdiel_32:

(Start: 32 @26295 has 3 MA's), (47, 26268), (Start: 61 @26250 has 119 MA's), (Start: 92 @26181 has 8 MA's), (Start: 110 @26127 has 6 MA's), (181, 25908), (184, 25899), (218, 25863), (237, 25821), (242, 25809), (243, 25806), (276, 25728), (324, 25593), (330, 25575), (375, 25488), (378, 25482), (385, 25461), (390, 25446), (398, 25428), (461, 25290), (474, 25242), (481, 25212), (483, 25206), (486, 25194), (500, 25155),

Gene: Abidatro_34 Start: 24278, Stop: 23067, Start Num: 56

Candidate Starts for Abidatro_34:

(Start: 56 @24278 has 82 MA's), (137, 24059), (145, 24041), (186, 23924), (213, 23849), (219, 23834), (333, 23540), (348, 23519), (359, 23492), (383, 23426), (387, 23414), (394, 23396), (462, 23252), (465, 23243),

Gene: Acolyte_34 Start: 27024, Stop: 25957, Start Num: 87

Candidate Starts for Acolyte_34:

(Start: 61 @27078 has 119 MA's), (Start: 87 @27024 has 14 MA's), (Start: 110 @26955 has 6 MA's), (184, 26727), (218, 26691), (243, 26634), (252, 26607), (276, 26556), (302, 26493), (330, 26403), (336, 26391), (354, 26370), (375, 26316), (378, 26310), (385, 26289), (390, 26274), (410, 26229), (461, 26118), (474, 26070), (481, 26040), (483, 26034), (486, 26022), (500, 25983),

Gene: AdoptaAdorbs_35 Start: 23914, Stop: 22721, Start Num: 56

Candidate Starts for AdoptaAdorbs_35:

(Start: 56 @23914 has 82 MA's), (213, 23485), (237, 23428), (246, 23404), (333, 23176), (387, 23050), (390, 23038), (400, 23017), (465, 22879), (486, 22798), (505, 22750),

Gene: Adzzy_35 Start: 25141, Stop: 24026, Start Num: 65

Candidate Starts for Adzzy_35:

(Start: 65 @25141 has 8 MA's), (Start: 110 @25024 has 6 MA's), (122, 24979), (184, 24796), (218, 24760), (237, 24718), (242, 24706), (243, 24703), (251, 24679), (324, 24490), (330, 24472), (336, 24460), (354, 24439), (375, 24385), (385, 24358), (390, 24343), (398, 24325), (410, 24298), (474, 24139), (481, 24109), (483, 24103), (486, 24091), (500, 24052), (503, 24043),

Gene: Agape74_35 Start: 26696, Stop: 25551, Start Num: 38

Candidate Starts for Agape74_35:

(Start: 38 @26696 has 7 MA's), (Start: 50 @26678 has 5 MA's), (Start: 92 @26594 has 8 MA's), (Start: 110 @26546 has 6 MA's), (122, 26501), (184, 26318), (218, 26282), (243, 26225), (247, 26213), (292, 26114), (296, 26102), (302, 26084), (330, 25994), (336, 25982), (375, 25907), (378, 25901), (385, 25880), (390, 25865), (398, 25847), (410, 25820), (461, 25709), (474, 25661), (475, 25658), (481, 25631), (483, 25625), (486, 25613), (500, 25574),

Gene: Aglet_36 Start: 26791, Stop: 25646, Start Num: 61

Candidate Starts for Aglet_36:

(Start: 61 @26791 has 119 MA's), (Start: 81 @26752 has 10 MA's), (Start: 110 @26668 has 6 MA's), (122, 26623), (178, 26467), (184, 26440), (218, 26404), (243, 26347), (276, 26269), (285, 26245), (302, 26206), (324, 26134), (327, 26122), (330, 26116), (336, 26104), (375, 26029), (378, 26023), (385, 26002), (390, 25987), (398, 25969), (409, 25945), (461, 25831), (473, 25786), (474, 25783), (477, 25774), (481, 25753), (483, 25747), (486, 25735), (500, 25696),

Gene: Aleemily_34 Start: 29847, Stop: 28720, Start Num: 56

Candidate Starts for Aleemily_34:

(2, 30327), (Start: 56 @29847 has 82 MA's), (78, 29793), (116, 29688), (179, 29517), (210, 29427), (222, 29391), (270, 29277), (299, 29238), (307, 29214), (349, 29118), (402, 28986), (424, 28941), (462, 28869), (500, 28743),

Gene: AlexMinion_38 Start: 24097, Stop: 22904, Start Num: 56

Candidate Starts for AlexMinion_38:

(Start: 56 @24097 has 82 MA's), (213, 23668), (306, 23437), (348, 23338), (387, 23233), (390, 23221), (465, 23062), (505, 22933),

Gene: Altostratus_45 Start: 28384, Stop: 27227, Start Num: 55

Candidate Starts for Altostratus_45:

(Start: 55 @28384 has 4 MA's), (76, 28333), (86, 28309), (103, 28264), (124, 28189), (147, 28126), (150, 28117), (190, 28012), (209, 27961), (213, 27949), (216, 27937), (221, 27928), (230, 27907), (255, 27838), (257, 27832), (262, 27823), (301, 27748), (312, 27706), (337, 27649), (349, 27637), (356, 27622), (376, 27568), (385, 27544), (390, 27526), (402, 27505), (415, 27481), (430, 27451), (454, 27400), (462, 27373), (472, 27337), (500, 27247),

Gene: Amelia_36 Start: 24019, Stop: 22832, Start Num: 56

Candidate Starts for Amelia_36:

(18, 24109), (Start: 56 @24019 has 82 MA's), (186, 23665), (213, 23590), (387, 23155), (454, 23020),

Gene: AmiCi24_35 Start: 23912, Stop: 22719, Start Num: 56

Candidate Starts for AmiCi24_35:

(Start: 56 @23912 has 82 MA's), (213, 23483), (237, 23426), (246, 23402), (333, 23174), (387, 23048), (390, 23036), (400, 23015), (465, 22877), (486, 22796), (505, 22748),

Gene: Amochick_29 Start: 26484, Stop: 25291, Start Num: 66

Candidate Starts for Amochick_29:

(Start: 39 @26526 has 2 MA's), (Start: 66 @26484 has 21 MA's), (Start: 92 @26418 has 8 MA's), (119, 26337), (129, 26298), (133, 26283), (136, 26277), (142, 26265), (152, 26238), (163, 26205), (184, 26148), (201, 26115), (203, 26112), (216, 26064), (237, 26022), (238, 26019), (247, 25995), (252, 25980), (260, 25956), (268, 25941), (285, 25902), (292, 25890), (305, 25851), (315, 25812), (332, 25764), (334, 25761), (375, 25689), (378, 25683), (382, 25671), (383, 25668), (385, 25662), (406, 25608), (415, 25590), (417, 25587), (430, 25560), (442, 25533), (456, 25491), (464, 25464), (466, 25458), (479, 25401), (500, 25338), (501, 25335),

Gene: Amphitrite_36 Start: 23913, Stop: 22720, Start Num: 56

Candidate Starts for Amphitrite_36:

(Start: 56 @23913 has 82 MA's), (213, 23484), (237, 23427), (246, 23403), (333, 23175), (387, 23049), (390, 23037), (400, 23016), (465, 22878), (486, 22797), (505, 22749),

Gene: Amymech_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for Amymech_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184,

26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: Andrew_37 Start: 23839, Stop: 22646, Start Num: 56

Candidate Starts for Andrew_37:

(Start: 56 @23839 has 82 MA's), (74, 23794), (246, 23329), (333, 23101), (387, 22975), (390, 22963), (462, 22813), (505, 22675),

Gene: Anselm_35 Start: 26782, Stop: 25661, Start Num: 61

Candidate Starts for Anselm_35:

(Start: 23 @26845 has 2 MA's), (Start: 61 @26782 has 119 MA's), (Start: 87 @26728 has 14 MA's), (Start: 110 @26659 has 6 MA's), (122, 26614), (178, 26458), (218, 26395), (247, 26326), (264, 26284), (276, 26260), (302, 26197), (330, 26107), (336, 26095), (375, 26020), (378, 26014), (385, 25993), (390, 25978), (398, 25960), (410, 25933), (461, 25822), (473, 25777), (474, 25774), (475, 25771), (481, 25744), (483, 25738), (486, 25726), (500, 25687),

Gene: Antrice_39 Start: 25191, Stop: 23998, Start Num: 56

Candidate Starts for Antrice_39:

(Start: 56 @25191 has 82 MA's), (214, 24756), (348, 24429), (376, 24354), (387, 24324), (390, 24312), (394, 24306),

Gene: Anubis_38 Start: 26676, Stop: 25531, Start Num: 61

Candidate Starts for Anubis_38:

(Start: 61 @26676 has 119 MA's), (Start: 81 @26637 has 10 MA's), (99, 26589), (Start: 110 @26553 has 6 MA's), (122, 26508), (178, 26352), (184, 26325), (218, 26289), (243, 26232), (276, 26154), (285, 26130), (302, 26091), (324, 26019), (327, 26007), (330, 26001), (336, 25989), (375, 25914), (378, 25908), (385, 25887), (390, 25872), (398, 25854), (409, 25830), (461, 25716), (473, 25671), (474, 25668), (477, 25659), (481, 25638), (483, 25632), (486, 25620), (500, 25581),

Gene: ArchiDore_39 Start: 34244, Stop: 33075, Start Num: 56

Candidate Starts for ArchiDore_39:

(Start: 56 @34244 has 82 MA's), (117, 34082), (212, 33818), (216, 33803), (237, 33758), (254, 33710), (264, 33689), (266, 33686), (289, 33650), (300, 33623), (307, 33602), (337, 33521), (356, 33500), (378, 33443), (404, 33371), (420, 33341), (454, 33284), (458, 33272), (500, 33131), (515, 33092), (518, 33083),

Gene: Ariel_86 Start: 50063, Stop: 51337, Start Num: 20

Candidate Starts for Ariel_86:

(11, 50006), (Start: 19 @50048 has 1 MA's), (Start: 20 @50063 has 10 MA's), (21, 50066), (35, 50111), (Start: 58 @50150 has 1 MA's), (194, 50531), (237, 50615), (242, 50627), (243, 50630), (297, 50759), (349, 50879), (374, 50942), (381, 50960), (391, 50984), (423, 51056), (480, 51233), (481, 51236), (483, 51242), (488, 51260), (493, 51275), (496, 51284), (497, 51287), (513, 51332),

Gene: Atlantica_36 Start: 23914, Stop: 22721, Start Num: 56

Candidate Starts for Atlantica_36:

(Start: 56 @23914 has 82 MA's), (213, 23485), (237, 23428), (246, 23404), (333, 23176), (387, 23050), (390, 23038), (400, 23017), (465, 22879), (486, 22798), (505, 22750),

Gene: AugsMagnumOpus_38 Start: 26782, Stop: 25637, Start Num: 61

Candidate Starts for AugsMagnumOpus_38:

(Start: 61 @26782 has 119 MA's), (Start: 81 @26743 has 10 MA's), (99, 26695), (Start: 110 @26659 has 6 MA's), (122, 26614), (178, 26458), (184, 26431), (218, 26395), (243, 26338), (276, 26260), (285, 26236), (302, 26197), (324, 26125), (327, 26113), (330, 26107), (336, 26095), (375, 26020), (378, 26014), (385, 25993), (390, 25978), (398, 25960), (409, 25936), (461, 25822), (473, 25777), (474, 25774), (477, 25765), (481, 25744), (483, 25738), (486, 25726), (500, 25687),

Gene: Ayotoya_39 Start: 32055, Stop: 30784, Start Num: 56

Candidate Starts for Ayotoya_39:

(Start: 56 @32055 has 82 MA's), (Start: 63 @32040 has 2 MA's), (103, 31938), (116, 31896), (120, 31884), (145, 31809), (171, 31734), (175, 31725), (180, 31707), (216, 31608), (219, 31605), (254, 31515), (306, 31410), (335, 31314), (339, 31308), (404, 31146), (458, 31005), (470, 30960), (484, 30909), (486, 30900), (491, 30885), (497, 30873), (501, 30861), (519, 30822),

Gene: Azaz_37 Start: 23984, Stop: 22791, Start Num: 56

Candidate Starts for Azaz_37:

(Start: 56 @23984 has 82 MA's), (103, 23870), (213, 23555), (333, 23246), (387, 23120), (390, 23108), (400, 23087), (505, 22820),

Gene: B1_31 Start: 25858, Stop: 24692, Start Num: 34

Candidate Starts for B1_31:

(Start: 34 @25858 has 1 MA's), (Start: 61 @25816 has 119 MA's), (Start: 110 @25693 has 6 MA's), (122, 25648), (147, 25576), (163, 25528), (181, 25474), (184, 25465), (218, 25429), (243, 25372), (330, 25141), (336, 25129), (354, 25108), (375, 25054), (378, 25048), (385, 25027), (390, 25012), (398, 24994), (410, 24967), (461, 24856), (474, 24808), (475, 24805), (481, 24778), (483, 24772), (486, 24760), (493, 24739), (500, 24721),

Gene: Babushka_33 Start: 23843, Stop: 22650, Start Num: 56

Candidate Starts for Babushka_33:

(Start: 56 @23843 has 82 MA's), (237, 23357), (246, 23333), (333, 23105), (387, 22979), (390, 22967), (400, 22946), (465, 22808), (505, 22679),

Gene: BabyJohn_32 Start: 26607, Stop: 25474, Start Num: 53

Candidate Starts for BabyJohn_32:

(Start: 53 @26607 has 6 MA's), (Start: 92 @26526 has 8 MA's), (Start: 110 @26472 has 6 MA's), (122, 26427), (182, 26250), (184, 26244), (218, 26208), (243, 26151), (276, 26073), (330, 25920), (336, 25908), (375, 25833), (378, 25827), (385, 25806), (390, 25791), (398, 25773), (409, 25749), (474, 25587), (481, 25557), (483, 25551), (486, 25539), (500, 25500),

Gene: BabyRay_33 Start: 26385, Stop: 25249, Start Num: 53

Candidate Starts for BabyRay_33:

(Start: 53 @26385 has 6 MA's), (Start: 110 @26250 has 6 MA's), (182, 26028), (184, 26022), (190, 26007), (218, 25986), (243, 25929), (276, 25851), (330, 25698), (336, 25686), (375, 25611), (378, 25605), (385, 25584), (390, 25569), (398, 25551), (474, 25365), (481, 25335), (483, 25329), (486, 25317), (493, 25296), (500, 25278),

Gene: Bactobuster_35 Start: 27867, Stop: 26860, Start Num: 110

Candidate Starts for Bactobuster_35:

(Start: 61 @27987 has 119 MA's), (Start: 81 @27951 has 10 MA's), (Start: 110 @27867 has 6 MA's), (122, 27822), (180, 27654), (218, 27603), (264, 27492), (276, 27468), (292, 27435), (296, 27423), (310, 27375), (330, 27315), (331, 27312), (336, 27303), (375, 27228), (378, 27222), (385, 27201), (390, 27186), (398, 27168), (474, 26982), (481, 26952), (483, 26946), (486, 26934), (500, 26895), (509, 26871),

Gene: Baehexic_34 Start: 26830, Stop: 25697, Start Num: 61

Candidate Starts for Baehexic_34:

(Start: 61 @26830 has 119 MA's), (Start: 87 @26776 has 14 MA's), (Start: 110 @26707 has 6 MA's), (122, 26662), (178, 26506), (184, 26479), (218, 26443), (243, 26386), (296, 26263), (302, 26245), (330, 26155), (336, 26143), (375, 26068), (378, 26062), (385, 26041), (390, 26026), (398, 26008), (410, 25981), (414, 25972), (461, 25870), (474, 25822), (481, 25792), (483, 25786), (486, 25774), (500, 25735),

Gene: BangNhom_33 Start: 26587, Stop: 25466, Start Num: 61

Candidate Starts for BangNhom_33:

(Start: 32 @26632 has 3 MA's), (47, 26605), (Start: 61 @26587 has 119 MA's), (Start: 92 @26518 has 8 MA's), (Start: 110 @26464 has 6 MA's), (181, 26245), (184, 26236), (218, 26200), (237, 26158), (242, 26146), (243, 26143), (324, 25930), (330, 25912), (375, 25825), (378, 25819), (385, 25798), (390, 25783), (398, 25765), (461, 25627), (474, 25579), (481, 25549), (483, 25543), (486, 25531), (500, 25492),

Gene: Banquo_37 Start: 27140, Stop: 26034, Start Num: 79

Candidate Starts for Banquo_37:

(Start: 79 @27140 has 12 MA's), (191, 26819), (235, 26756), (239, 26744), (263, 26693), (323, 26531), (347, 26483), (401, 26354), (423, 26306), (451, 26210), (477, 26120), (483, 26093),

Gene: Basilisk_34 Start: 24758, Stop: 23574, Start Num: 56

Candidate Starts for Basilisk_34:

(Start: 56 @24758 has 82 MA's), (137, 24539), (186, 24404), (213, 24329), (219, 24314), (301, 24113), (383, 23906), (387, 23894), (394, 23876), (400, 23861), (454, 23759), (462, 23732), (465, 23723),

Gene: BaxterFox_37 Start: 31379, Stop: 30117, Start Num: 56

Candidate Starts for BaxterFox_37:

(Start: 56 @31379 has 82 MA's), (114, 31223), (179, 31040), (189, 31004), (213, 30944), (216, 30932), (237, 30887), (249, 30854), (266, 30812), (339, 30644), (342, 30641), (375, 30566), (382, 30548), (383, 30545), (404, 30488), (450, 30371), (454, 30359), (470, 30302), (486, 30242), (491, 30227), (497, 30215), (500, 30206), (515, 30167),

Gene: Beauxregard13_36 Start: 26790, Stop: 25645, Start Num: 61

Candidate Starts for Beauxregard13_36:

(Start: 61 @26790 has 119 MA's), (Start: 81 @26751 has 10 MA's), (99, 26703), (Start: 110 @26667 has 6 MA's), (122, 26622), (178, 26466), (184, 26439), (218, 26403), (243, 26346), (276, 26268), (285, 26244), (302, 26205), (324, 26133), (327, 26121), (330, 26115), (336, 26103), (375, 26028), (378, 26022), (385, 26001), (390, 25986), (398, 25968), (409, 25944), (461, 25830), (473, 25785), (474, 25782), (477, 25773), (481, 25752), (483, 25746), (486, 25734), (500, 25695),

Gene: Bedetta_40 Start: 24167, Stop: 22980, Start Num: 56

Candidate Starts for Bedetta_40:

(18, 24257), (Start: 56 @24167 has 82 MA's), (213, 23738), (387, 23303), (454, 23168),

Gene: BellusTerra_33 Start: 26249, Stop: 25128, Start Num: 61

Candidate Starts for BellusTerra_33:

(Start: 32 @26294 has 3 MA's), (47, 26267), (Start: 61 @26249 has 119 MA's), (Start: 92 @26180 has 8 MA's), (Start: 110 @26126 has 6 MA's), (181, 25907), (184, 25898), (218, 25862), (237, 25820), (242, 25808), (243, 25805), (276, 25727), (324, 25592), (330, 25574), (375, 25487), (385, 25460), (390, 25445), (398, 25427), (461, 25289), (474, 25241), (481, 25211), (483, 25205), (486, 25193), (500, 25154),

Gene: BetterKatz_39 Start: 31582, Stop: 30311, Start Num: 56

Candidate Starts for BetterKatz_39:

(Start: 56 @31582 has 82 MA's), (Start: 63 @31567 has 2 MA's), (103, 31465), (116, 31423), (120, 31411), (145, 31336), (171, 31261), (175, 31252), (180, 31234), (216, 31135), (219, 31132), (254, 31042), (306, 30937), (339, 30835), (349, 30817), (404, 30673), (458, 30532), (470, 30487), (484, 30436), (486, 30427), (497, 30400), (501, 30388), (519, 30349),

Gene: BiancaTri92_35 Start: 27662, Stop: 26547, Start Num: 64

Candidate Starts for BiancaTri92_35:

(43, 27692), (Start: 64 @27662 has 8 MA's), (Start: 87 @27611 has 14 MA's), (Start: 110 @27542 has 6 MA's), (122, 27497), (178, 27341), (179, 27338), (184, 27314), (218, 27278), (243, 27221), (276, 27143), (302, 27080), (330, 26990), (336, 26978), (375, 26903), (378, 26897), (385, 26876), (390, 26861), (398, 26843), (474, 26657), (481, 26627), (483, 26621), (486, 26609), (500, 26570),

Gene: Bigflo_36 Start: 26789, Stop: 25644, Start Num: 61

Candidate Starts for Bigflo_36:

(Start: 61 @26789 has 119 MA's), (Start: 81 @26750 has 10 MA's), (99, 26702), (Start: 110 @26666 has 6 MA's), (122, 26621), (178, 26465), (184, 26438), (218, 26402), (243, 26345), (276, 26267), (285, 26243), (302, 26204), (324, 26132), (327, 26120), (330, 26114), (336, 26102), (375, 26027), (378, 26021), (385, 26000), (390, 25985), (398, 25967), (409, 25943), (461, 25829), (473, 25784), (474, 25781), (477, 25772), (481, 25751), (483, 25745), (486, 25733), (500, 25694),

Gene: BloominB_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for BloominB_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184, 26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: BlueBird_34 Start: 26297, Stop: 25170, Start Num: 61

Candidate Starts for BlueBird_34:

(Start: 61 @26297 has 119 MA's), (99, 26210), (Start: 110 @26174 has 6 MA's), (122, 26129), (178, 25973), (180, 25961), (181, 25955), (218, 25910), (242, 25856), (243, 25853), (276, 25775), (330, 25622), (336, 25610), (363, 25571), (375, 25535), (378, 25529), (385, 25508), (390, 25493), (398, 25475), (410, 25448), (461, 25337), (474, 25289), (481, 25259), (483, 25253), (486, 25241), (500, 25202),

Gene: Bluvara_37 Start: 31878, Stop: 30676, Start Num: 57

Candidate Starts for Bluvara_37:

(Start: 57 @31878 has 7 MA's), (89, 31803), (100, 31773), (Start: 110 @31749 has 6 MA's), (176, 31557), (177, 31554), (203, 31491), (253, 31356), (260, 31335), (285, 31281), (287, 31275), (330, 31152), (417, 30969), (420, 30966), (421, 30963), (430, 30942), (445, 30906), (455, 30879), (456, 30873), (466, 30840), (469, 30825), (486, 30759), (493, 30738),

Gene: Bobby_80 Start: 53134, Stop: 54363, Start Num: 26

Candidate Starts for Bobby_80:

(Start: 26 @53134 has 1 MA's), (35, 53152), (Start: 58 @53191 has 1 MA's), (146, 53428), (181, 53536), (237, 53656), (238, 53659), (242, 53668), (247, 53683), (297, 53800), (340, 53917), (349, 53920), (354, 53929), (373, 53980), (374, 53983), (381, 54001), (423, 54097), (480, 54274), (481, 54277), (488, 54301), (496, 54325), (497, 54328),

Gene: Bock_39 Start: 31274, Stop: 30003, Start Num: 56

Candidate Starts for Bock_39:

(Start: 56 @31274 has 82 MA's), (Start: 63 @31259 has 2 MA's), (103, 31157), (116, 31115), (120, 31103), (145, 31028), (171, 30953), (175, 30944), (180, 30926), (216, 30827), (219, 30824), (254, 30734), (303, 30638), (306, 30629), (328, 30548), (339, 30527), (349, 30509), (378, 30434), (404, 30365), (458, 30224), (470, 30179), (484, 30128), (486, 30119), (497, 30092), (501, 30080), (519, 30041),

Gene: Bradman_34 Start: 25599, Stop: 24475, Start Num: 61

Candidate Starts for Bradman_34:

(Start: 61 @25599 has 119 MA's), (97, 25521), (Start: 110 @25476 has 6 MA's), (122, 25431), (143, 25371), (184, 25248), (218, 25212), (242, 25158), (243, 25155), (296, 25032), (297, 25029), (302, 25014), (327, 24930), (330, 24924), (354, 24891), (362, 24876), (375, 24837), (385, 24810), (390, 24795), (398, 24777), (410, 24750), (461, 24639), (474, 24591), (475, 24588), (477, 24582), (481, 24561), (483, 24555), (486, 24543), (500, 24504),

Gene: BreSam8_36 Start: 26783, Stop: 25638, Start Num: 61

Candidate Starts for BreSam8_36:

(Start: 61 @26783 has 119 MA's), (Start: 81 @26744 has 10 MA's), (99, 26696), (Start: 110 @26660 has 6 MA's), (122, 26615), (178, 26459), (184, 26432), (218, 26396), (243, 26339), (276, 26261), (285, 26237), (302, 26198), (324, 26126), (327, 26114), (330, 26108), (336, 26096), (375, 26021), (378, 26015), (385, 25994), (390, 25979), (398, 25961), (409, 25937), (461, 25823), (473, 25778), (474, 25775), (477, 25766), (481, 25745), (483, 25739), (486, 25727), (500, 25688),

Gene: BronnyJames_80 Start: 48466, Stop: 49740, Start Num: 20

Candidate Starts for BronnyJames_80:

(11, 48409), (Start: 19 @48451 has 1 MA's), (Start: 20 @48466 has 10 MA's), (21, 48469), (35, 48514), (Start: 58 @48553 has 1 MA's), (194, 48934), (237, 49018), (242, 49030), (243, 49033), (297, 49162), (349, 49282), (374, 49345), (381, 49363), (391, 49387), (423, 49459), (480, 49636), (481, 49639), (483, 49645), (488, 49663), (493, 49678), (496, 49687), (497, 49690), (513, 49735),

Gene: Brylie_39 Start: 31322, Stop: 30051, Start Num: 56

Candidate Starts for Brylie_39:

(Start: 56 @31322 has 82 MA's), (Start: 63 @31307 has 2 MA's), (103, 31205), (116, 31163), (120, 31151), (145, 31076), (171, 31001), (175, 30992), (180, 30974), (216, 30875), (219, 30872), (254, 30782), (306, 30677), (335, 30581), (339, 30575), (404, 30413), (458, 30272), (470, 30227), (484, 30176), (486, 30167), (491, 30152), (497, 30140), (501, 30128), (519, 30089),

Gene: Brynnie_33 Start: 24636, Stop: 23452, Start Num: 56

Candidate Starts for Brynnie_33:

(Start: 56 @24636 has 82 MA's), (137, 24417), (186, 24282), (213, 24207), (219, 24192), (301, 23991), (304, 23982), (383, 23784), (387, 23772), (394, 23754), (400, 23739), (454, 23637), (462, 23610), (465, 23601),

Gene: Bugatti_33 Start: 26297, Stop: 25170, Start Num: 61

Candidate Starts for Bugatti_33:

(Start: 61 @26297 has 119 MA's), (99, 26210), (Start: 110 @26174 has 6 MA's), (122, 26129), (178, 25973), (180, 25961), (181, 25955), (218, 25910), (242, 25856), (243, 25853), (276, 25775), (330, 25622), (336, 25610), (363, 25571), (375, 25535), (378, 25529), (385, 25508), (390, 25493), (398, 25475), (410, 25448), (461, 25337), (474, 25289), (481, 25259), (483, 25253), (486, 25241), (500, 25202),

Gene: Buggy_36 Start: 26995, Stop: 25874, Start Num: 61

Candidate Starts for Buggy_36:

(Start: 23 @27058 has 2 MA's), (Start: 61 @26995 has 119 MA's), (Start: 87 @26941 has 14 MA's), (Start: 110 @26872 has 6 MA's), (122, 26827), (165, 26701), (184, 26644), (218, 26608), (242, 26554), (243, 26551), (296, 26428), (302, 26410), (330, 26320), (336, 26308), (375, 26233), (378, 26227), (385, 26206), (390, 26191), (398, 26173), (474, 25987), (481, 25957), (483, 25951), (486, 25939), (500, 25900),

Gene: C3_31 Start: 26345, Stop: 25275, Start Num: 87

Candidate Starts for C3_31:

(28, 26453), (Start: 61 @26399 has 119 MA's), (Start: 87 @26345 has 14 MA's), (Start: 110 @26276 has 6 MA's), (178, 26075), (184, 26048), (218, 26012), (242, 25958), (243, 25955), (252, 25928), (276, 25877), (292, 25844), (296, 25832), (302, 25814), (324, 25742), (330, 25724), (336, 25712), (363, 25673), (375, 25637), (378, 25631), (385, 25610), (390, 25595), (398, 25577), (410, 25550), (461, 25439), (474, 25391), (475, 25388), (481, 25361), (483, 25355), (486, 25343), (500, 25304),

Gene: Cafasso_35 Start: 30421, Stop: 29294, Start Num: 56

Candidate Starts for Cafasso_35:

(2, 30901), (Start: 56 @30421 has 82 MA's), (78, 30367), (116, 30262), (179, 30091), (210, 30001), (222, 29965), (270, 29851), (299, 29812), (307, 29788), (349, 29692), (402, 29560), (424, 29515), (462, 29443), (500, 29317),

Gene: Calvinny_36 Start: 26589, Stop: 25498, Start Num: 87

Candidate Starts for Calvinny_36:

(Start: 23 @26706 has 2 MA's), (Start: 61 @26643 has 119 MA's), (Start: 87 @26589 has 14 MA's), (Start: 110 @26520 has 6 MA's), (181, 26301), (184, 26292), (218, 26256), (243, 26199), (276, 26121), (292, 26088), (324, 25986), (330, 25968), (336, 25956), (375, 25881), (378, 25875), (385, 25854), (390, 25839), (398, 25821), (409, 25797), (473, 25638), (474, 25635), (481, 25605), (483, 25599), (486, 25587), (500, 25548),

Gene: Camara_36 Start: 23916, Stop: 22723, Start Num: 56

Candidate Starts for Camara_36:

(Start: 56 @23916 has 82 MA's), (213, 23487), (237, 23430), (246, 23406), (333, 23178), (387, 23052), (390, 23040), (400, 23019), (465, 22881), (486, 22800), (505, 22752),

Gene: Caraxes_33 Start: 24997, Stop: 23882, Start Num: 65

Candidate Starts for Caraxes_33:

(Start: 65 @24997 has 8 MA's), (Start: 87 @24949 has 14 MA's), (99, 24916), (Start: 110 @24880 has 6 MA's), (122, 24835), (180, 24667), (184, 24652), (218, 24616), (237, 24574), (242, 24562), (243, 24559), (280, 24472), (285, 24457), (330, 24328), (336, 24316), (354, 24295), (363, 24277), (375, 24241), (385, 24214), (390, 24199), (398, 24181), (410, 24154), (461, 24043), (474, 23995), (481, 23965), (483, 23959), (486, 23947), (500, 23908),

Gene: Catfish_37 Start: 28481, Stop: 27369, Start Num: 79

Candidate Starts for Catfish_37:

(Start: 79 @28481 has 12 MA's), (97, 28439), (138, 28313), (223, 28112), (248, 28055), (263, 28028), (303, 27932), (311, 27899), (314, 27890), (364, 27782), (419, 27653), (473, 27467), (483, 27428), (496, 27389),

Gene: Centaur_35 Start: 26808, Stop: 25675, Start Num: 61

Candidate Starts for Centaur_35:

(Start: 61 @26808 has 119 MA's), (Start: 87 @26754 has 14 MA's), (Start: 110 @26685 has 6 MA's), (122, 26640), (178, 26484), (184, 26457), (218, 26421), (243, 26364), (296, 26241), (302, 26223),

(330, 26133), (336, 26121), (375, 26046), (378, 26040), (385, 26019), (390, 26004), (398, 25986), (410, 25959), (414, 25950), (461, 25848), (474, 25800), (481, 25770), (483, 25764), (486, 25752), (500, 25713),

Gene: Cerulean_34 Start: 26519, Stop: 25467, Start Num: 92

Candidate Starts for Cerulean_34:

(Start: 32 @26633 has 3 MA's), (47, 26606), (Start: 61 @26588 has 119 MA's), (Start: 92 @26519 has 8 MA's), (Start: 110 @26465 has 6 MA's), (181, 26246), (184, 26237), (218, 26201), (237, 26159), (242, 26147), (243, 26144), (324, 25931), (330, 25913), (375, 25826), (378, 25820), (385, 25799), (390, 25784), (398, 25766), (461, 25628), (474, 25580), (481, 25550), (483, 25544), (486, 25532), (500, 25493),

Gene: ChampagnePapi_34 Start: 26518, Stop: 25466, Start Num: 92

Candidate Starts for ChampagnePapi_34:

(47, 26605), (Start: 61 @26587 has 119 MA's), (Start: 92 @26518 has 8 MA's), (Start: 110 @26464 has 6 MA's), (181, 26245), (184, 26236), (218, 26200), (237, 26158), (242, 26146), (243, 26143), (324, 25930), (330, 25912), (375, 25825), (378, 25819), (385, 25798), (390, 25783), (398, 25765), (461, 25627), (474, 25579), (481, 25549), (483, 25543), (486, 25531), (500, 25492),

Gene: Che12_36 Start: 25378, Stop: 24263, Start Num: 65

Candidate Starts for Che12_36:

(Start: 65 @25378 has 8 MA's), (99, 25297), (Start: 110 @25261 has 6 MA's), (122, 25216), (152, 25129), (180, 25048), (218, 24997), (237, 24955), (242, 24943), (243, 24940), (276, 24862), (314, 24754), (324, 24727), (330, 24709), (336, 24697), (354, 24676), (375, 24622), (385, 24595), (390, 24580), (398, 24562), (410, 24535), (461, 24424), (474, 24376), (481, 24346), (483, 24340), (486, 24328), (500, 24289),

Gene: Che9c_41 Start: 33550, Stop: 32348, Start Num: 57

Candidate Starts for Che9c_41:

(Start: 57 @33550 has 7 MA's), (88, 33478), (89, 33475), (97, 33457), (100, 33445), (132, 33340), (176, 33229), (177, 33226), (203, 33163), (234, 33082), (253, 33028), (285, 32953), (311, 32878), (330, 32824), (332, 32818), (417, 32641), (420, 32638), (421, 32635), (430, 32614), (445, 32578), (466, 32512), (469, 32497), (486, 32431),

Gene: Chickaboom_35 Start: 24249, Stop: 23065, Start Num: 56

Candidate Starts for Chickaboom_35:

(Start: 56 @24249 has 82 MA's), (80, 24192), (137, 24030), (141, 24021), (186, 23895), (209, 23832), (213, 23820), (219, 23805), (254, 23715), (301, 23604), (333, 23511), (383, 23397), (387, 23385), (394, 23367), (462, 23223), (465, 23214),

Gene: Chicken_33 Start: 24581, Stop: 23397, Start Num: 56

Candidate Starts for Chicken_33:

(Start: 56 @24581 has 82 MA's), (137, 24362), (145, 24344), (213, 24152), (246, 24071), (348, 23822), (383, 23729), (387, 23717), (394, 23699), (454, 23582), (465, 23546),

Gene: ChipMunk_36 Start: 28148, Stop: 27003, Start Num: 38

Candidate Starts for ChipMunk_36:

(Start: 38 @28148 has 7 MA's), (Start: 50 @28130 has 5 MA's), (Start: 92 @28049 has 8 MA's), (Start: 110 @28001 has 6 MA's), (122, 27956), (178, 27800), (181, 27782), (184, 27773), (218, 27737), (237, 27695), (243, 27680), (247, 27668), (276, 27602), (292, 27569), (296, 27557), (302, 27539), (330, 27449), (336, 27437), (375, 27362), (378, 27356), (385, 27335), (390, 27320), (398, 27302), (410, 27275), (414, 27266), (461, 27164), (474, 27116), (475, 27113), (481, 27086), (483, 27080), (486, 27068), (500, 27029),

Gene: Chiqui_32 Start: 26616, Stop: 25483, Start Num: 53

Candidate Starts for Chiqui_32:

(Start: 53 @26616 has 6 MA's), (Start: 92 @26535 has 8 MA's), (Start: 110 @26481 has 6 MA's), (122, 26436), (182, 26259), (184, 26253), (218, 26217), (243, 26160), (276, 26082), (330, 25929), (336, 25917), (375, 25842), (378, 25836), (385, 25815), (390, 25800), (398, 25782), (409, 25758), (474, 25596), (481, 25566), (483, 25560), (486, 25548), (500, 25509),

Gene: Chop_39 Start: 31803, Stop: 30532, Start Num: 56

Candidate Starts for Chop_39:

(Start: 56 @31803 has 82 MA's), (Start: 63 @31788 has 2 MA's), (103, 31686), (116, 31644), (120, 31632), (145, 31557), (171, 31482), (175, 31473), (180, 31455), (216, 31356), (219, 31353), (254, 31263), (306, 31158), (335, 31062), (339, 31056), (404, 30894), (458, 30753), (470, 30708), (484, 30657), (486, 30648), (491, 30633), (497, 30621), (501, 30609), (519, 30570),

Gene: Clammy_33 Start: 26297, Stop: 25170, Start Num: 61

Candidate Starts for Clammy_33:

(Start: 61 @26297 has 119 MA's), (99, 26210), (Start: 110 @26174 has 6 MA's), (122, 26129), (178, 25973), (180, 25961), (181, 25955), (218, 25910), (242, 25856), (243, 25853), (276, 25775), (330, 25622), (336, 25610), (363, 25571), (375, 25535), (378, 25529), (385, 25508), (390, 25493), (398, 25475), (410, 25448), (461, 25337), (474, 25289), (481, 25259), (483, 25253), (486, 25241), (500, 25202),

Gene: ClownCar_36 Start: 26581, Stop: 25490, Start Num: 87

Candidate Starts for ClownCar_36:

(Start: 23 @26698 has 2 MA's), (Start: 61 @26635 has 119 MA's), (Start: 87 @26581 has 14 MA's), (Start: 110 @26512 has 6 MA's), (181, 26293), (184, 26284), (218, 26248), (243, 26191), (276, 26113), (292, 26080), (324, 25978), (330, 25960), (336, 25948), (375, 25873), (378, 25867), (385, 25846), (390, 25831), (398, 25813), (409, 25789), (473, 25630), (474, 25627), (481, 25597), (483, 25591), (486, 25579), (500, 25540),

Gene: Colbster_36 Start: 26790, Stop: 25645, Start Num: 61

Candidate Starts for Colbster_36:

(Start: 61 @26790 has 119 MA's), (Start: 81 @26751 has 10 MA's), (99, 26703), (Start: 110 @26667 has 6 MA's), (122, 26622), (178, 26466), (184, 26439), (218, 26403), (243, 26346), (276, 26268), (285, 26244), (302, 26205), (324, 26133), (327, 26121), (330, 26115), (336, 26103), (375, 26028), (378, 26022), (385, 26001), (390, 25986), (398, 25968), (409, 25944), (461, 25830), (473, 25785), (474, 25782), (477, 25773), (481, 25752), (483, 25746), (486, 25734), (500, 25695),

Gene: Colin_37 Start: 27841, Stop: 26711, Start Num: 62

Candidate Starts for Colin_37:

(Start: 62 @27841 has 4 MA's), (Start: 110 @27721 has 6 MA's), (122, 27676), (181, 27502), (184, 27493), (218, 27457), (242, 27403), (243, 27400), (276, 27322), (292, 27289), (296, 27277), (330, 27169), (336, 27157), (375, 27082), (385, 27055), (390, 27040), (398, 27022), (410, 26995), (474, 26836), (481, 26806), (483, 26800), (486, 26788), (500, 26749),

Gene: Colossa_32 Start: 27893, Stop: 26754, Start Num: 56

Candidate Starts for Colossa_32:

(Start: 56 @27893 has 82 MA's), (78, 27839), (137, 27671), (164, 27599), (193, 27512), (213, 27458), (216, 27446), (219, 27443), (222, 27431), (306, 27260), (307, 27257), (349, 27161), (425, 26984), (426, 26981), (459, 26924), (503, 26777),

Gene: Colusalem_37 Start: 23996, Stop: 22809, Start Num: 56

Candidate Starts for Colusalem_37:

(18, 24086), (Start: 56 @23996 has 82 MA's), (186, 23642), (213, 23567), (387, 23132), (454, 22997),

Gene: Commander_33 Start: 26250, Stop: 25129, Start Num: 61

Candidate Starts for Commander_33:

(Start: 32 @26295 has 3 MA's), (47, 26268), (Start: 61 @26250 has 119 MA's), (Start: 92 @26181 has 8 MA's), (Start: 110 @26127 has 6 MA's), (181, 25908), (184, 25899), (218, 25863), (237, 25821), (242, 25809), (243, 25806), (276, 25728), (324, 25593), (330, 25575), (375, 25488), (385, 25461), (390, 25446), (398, 25428), (461, 25290), (474, 25242), (481, 25212), (483, 25206), (486, 25194), (500, 25155),

Gene: Coral_36 Start: 23868, Stop: 22681, Start Num: 56

Candidate Starts for Coral_36:

(18, 23958), (Start: 56 @23868 has 82 MA's), (213, 23439), (387, 23004), (454, 22869),

Gene: Cote_38 Start: 24345, Stop: 23158, Start Num: 56

Candidate Starts for Cote_38:

(18, 24435), (Start: 56 @24345 has 82 MA's), (213, 23916), (387, 23481), (454, 23346),

Gene: Courthouse_82 Start: 49663, Stop: 50937, Start Num: 20

Candidate Starts for Courthouse_82:

(11, 49606), (Start: 19 @49648 has 1 MA's), (Start: 20 @49663 has 10 MA's), (21, 49666), (35, 49711), (Start: 58 @49750 has 1 MA's), (194, 50131), (237, 50215), (242, 50227), (243, 50230), (297, 50359), (349, 50479), (374, 50542), (381, 50560), (391, 50584), (423, 50656), (480, 50833), (481, 50836), (483, 50842), (488, 50860), (493, 50875), (496, 50884), (497, 50887), (513, 50932),

Gene: Croquant_37 Start: 26788, Stop: 25643, Start Num: 61

Candidate Starts for Croquant_37:

(Start: 61 @26788 has 119 MA's), (Start: 81 @26749 has 10 MA's), (99, 26701), (Start: 110 @26665 has 6 MA's), (122, 26620), (178, 26464), (184, 26437), (218, 26401), (243, 26344), (276, 26266), (285, 26242), (302, 26203), (324, 26131), (327, 26119), (330, 26113), (336, 26101), (375, 26026), (378, 26020), (385, 25999), (390, 25984), (398, 25966), (409, 25942), (461, 25828), (473, 25783), (474, 25780), (477, 25771), (481, 25750), (483, 25744), (486, 25732), (500, 25693),

Gene: Crucio_34 Start: 26336, Stop: 25269, Start Num: 87

Candidate Starts for Crucio_34:

(Start: 23 @26453 has 2 MA's), (Start: 61 @26390 has 119 MA's), (Start: 87 @26336 has 14 MA's), (Start: 110 @26267 has 6 MA's), (122, 26222), (165, 26096), (181, 26048), (184, 26039), (218, 26003), (242, 25949), (243, 25946), (296, 25823), (302, 25805), (310, 25775), (327, 25721), (330, 25715), (336, 25703), (375, 25628), (378, 25622), (385, 25601), (390, 25586), (398, 25568), (410, 25541), (461, 25430), (474, 25382), (481, 25352), (483, 25346), (486, 25334), (500, 25295),

Gene: Cullens_36 Start: 26789, Stop: 25644, Start Num: 61

Candidate Starts for Cullens_36:

(Start: 61 @26789 has 119 MA's), (Start: 81 @26750 has 10 MA's), (99, 26702), (Start: 110 @26666 has 6 MA's), (122, 26621), (178, 26465), (184, 26438), (218, 26402), (243, 26345), (276, 26267), (285, 26243), (302, 26204), (324, 26132), (327, 26120), (330, 26114), (336, 26102), (375, 26027), (378, 26021), (385, 26000), (390, 25985), (398, 25967), (409, 25943), (461, 25829), (473, 25784), (474, 25781), (477, 25772), (481, 25751), (483, 25745), (486, 25733), (500, 25694),

Gene: Cygnet_36 Start: 24788, Stop: 23595, Start Num: 56

Candidate Starts for Cygnet_36:

(Start: 56 @24788 has 82 MA's), (348, 24026), (376, 23951), (387, 23921), (390, 23909),

Gene: D29_33 Start: 26474, Stop: 25350, Start Num: 61

Candidate Starts for D29_33:

(Start: 61 @26474 has 119 MA's), (Start: 87 @26420 has 14 MA's), (Start: 110 @26351 has 6 MA's), (178, 26150), (179, 26147), (184, 26123), (218, 26087), (243, 26030), (252, 26003), (276, 25952), (292, 25919), (296, 25907), (302, 25889), (324, 25817), (330, 25799), (336, 25787), (375, 25712), (378, 25706), (385, 25685), (390, 25670), (398, 25652), (410, 25625), (461, 25514), (474, 25466), (475, 25463), (481, 25436), (483, 25430), (486, 25418), (500, 25379),

Gene: D32_37 Start: 26474, Stop: 25350, Start Num: 61

Candidate Starts for D32_37:

(Start: 61 @26474 has 119 MA's), (Start: 87 @26420 has 14 MA's), (Start: 110 @26351 has 6 MA's), (178, 26150), (179, 26147), (184, 26123), (218, 26087), (243, 26030), (252, 26003), (276, 25952), (292, 25919), (296, 25907), (302, 25889), (324, 25817), (330, 25799), (336, 25787), (375, 25712), (378, 25706), (385, 25685), (390, 25670), (398, 25652), (410, 25625), (461, 25514), (474, 25466), (475, 25463), (481, 25436), (483, 25430), (486, 25418), (500, 25379),

Gene: DBQu4n_37 Start: 26474, Stop: 25350, Start Num: 61

Candidate Starts for DBQu4n_37:

(Start: 61 @26474 has 119 MA's), (Start: 87 @26420 has 14 MA's), (Start: 110 @26351 has 6 MA's), (178, 26150), (184, 26123), (218, 26087), (243, 26030), (252, 26003), (276, 25952), (292, 25919), (296, 25907), (302, 25889), (324, 25817), (330, 25799), (336, 25787), (363, 25748), (375, 25712), (378, 25706), (385, 25685), (390, 25670), (398, 25652), (410, 25625), (461, 25514), (474, 25466), (475, 25463), (481, 25436), (483, 25430), (486, 25418), (500, 25379),

Gene: DaHudson_36 Start: 26782, Stop: 25637, Start Num: 61

Candidate Starts for DaHudson_36:

(Start: 61 @26782 has 119 MA's), (Start: 81 @26743 has 10 MA's), (Start: 110 @26659 has 6 MA's), (122, 26614), (178, 26458), (184, 26431), (218, 26395), (243, 26338), (276, 26260), (285, 26236), (302, 26197), (324, 26125), (327, 26113), (330, 26107), (336, 26095), (375, 26020), (378, 26014), (385, 25993), (390, 25978), (398, 25960), (409, 25936), (461, 25822), (473, 25777), (474, 25774), (477, 25765), (481, 25744), (483, 25738), (486, 25726), (500, 25687),

Gene: Daegal_30 Start: 26772, Stop: 25579, Start Num: 66

Candidate Starts for Daegal_30:

(Start: 39 @26814 has 2 MA's), (Start: 66 @26772 has 21 MA's), (Start: 92 @26706 has 8 MA's), (119, 26625), (129, 26586), (133, 26571), (136, 26565), (142, 26553), (152, 26526), (163, 26493), (184, 26436), (201, 26403), (203, 26400), (216, 26352), (237, 26310), (238, 26307), (247, 26283), (252, 26268), (260, 26244), (268, 26229), (285, 26190), (292, 26178), (305, 26139), (315, 26100), (332, 26052), (334, 26049), (375, 25977), (378, 25971), (382, 25959), (383, 25956), (385, 25950), (406, 25896), (415, 25878), (417, 25875), (430, 25848), (442, 25821), (456, 25779), (464, 25752), (466, 25746), (479, 25689), (500, 25626), (501, 25623),

Gene: Dalmatian_35 Start: 26758, Stop: 25637, Start Num: 61

Candidate Starts for Dalmatian_35:

(Start: 23 @26821 has 2 MA's), (Start: 61 @26758 has 119 MA's), (Start: 87 @26704 has 14 MA's), (Start: 110 @26635 has 6 MA's), (122, 26590), (178, 26434), (218, 26371), (247, 26302), (264, 26260), (276, 26236), (302, 26173), (330, 26083), (336, 26071), (375, 25996), (378, 25990), (385, 25969), (390, 25954), (398, 25936), (410, 25909), (461, 25798), (473, 25753), (474, 25750), (475, 25747), (481, 25720), (483, 25714), (486, 25702), (500, 25663),

Gene: DanHam62_36 Start: 23913, Stop: 22720, Start Num: 56

Candidate Starts for DanHam62_36:

(Start: 56 @23913 has 82 MA's), (213, 23484), (237, 23427), (246, 23403), (333, 23175), (387, 23049), (390, 23037), (400, 23016), (465, 22878), (486, 22797), (505, 22749),

Gene: Daob_38 Start: 24353, Stop: 23166, Start Num: 56

Candidate Starts for Daob_38:

(18, 24443), (Start: 56 @24353 has 82 MA's), (186, 23999), (213, 23924), (387, 23489), (454, 23354),

Gene: DeepSoil15_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for DeepSoil15_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184, 26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: DelRio_40 Start: 32511, Stop: 31240, Start Num: 56

Candidate Starts for DelRio_40:

(Start: 39 @32535 has 2 MA's), (Start: 56 @32511 has 82 MA's), (Start: 63 @32496 has 2 MA's), (103, 32394), (116, 32352), (120, 32340), (145, 32265), (171, 32190), (175, 32181), (180, 32163), (216, 32064), (219, 32061), (254, 31971), (303, 31875), (306, 31866), (335, 31770), (349, 31746), (404, 31602), (458, 31461), (470, 31416), (484, 31365), (486, 31356), (491, 31341), (497, 31329), (501, 31317), (519, 31278),

Gene: Dewey_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for Dewey_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184, 26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: Dieselweasel_36 Start: 26792, Stop: 25647, Start Num: 61

Candidate Starts for Dieselweasel_36:

(Start: 61 @26792 has 119 MA's), (Start: 81 @26753 has 10 MA's), (99, 26705), (Start: 110 @26669 has 6 MA's), (122, 26624), (178, 26468), (184, 26441), (218, 26405), (243, 26348), (276, 26270), (285, 26246), (302, 26207), (324, 26135), (327, 26123), (330, 26117), (336, 26105), (375, 26030), (378, 26024), (385, 26003), (390, 25988), (398, 25970), (409, 25946), (461, 25832), (473, 25787), (474, 25784), (477, 25775), (481, 25754), (483, 25748), (486, 25736), (500, 25697),

Gene: Dignity_35 Start: 26759, Stop: 25632, Start Num: 50

Candidate Starts for Dignity_35:

(Start: 38 @26777 has 7 MA's), (Start: 50 @26759 has 5 MA's), (Start: 92 @26675 has 8 MA's), (Start: 110 @26627 has 6 MA's), (122, 26582), (184, 26399), (218, 26363), (243, 26306), (247, 26294), (292, 26195), (296, 26183), (302, 26165), (330, 26075), (375, 25988), (378, 25982), (385, 25961), (390, 25946), (398, 25928), (410, 25901), (461, 25790), (474, 25742), (475, 25739), (481, 25712), (483, 25706), (486, 25694), (500, 25655),

Gene: DillyDally_29 Start: 24117, Stop: 22978, Start Num: 71

Candidate Starts for DillyDally_29:

(10, 24321), (Start: 71 @24117 has 1 MA's), (107, 24021), (140, 23913), (143, 23907), (151, 23883), (170, 23829), (190, 23766), (197, 23754), (220, 23745), (228, 23724), (247, 23679), (262, 23640), (283, 23595), (285, 23586), (294, 23571), (336, 23451), (349, 23439), (386, 23361), (446, 23247), (470, 23160), (476, 23142), (500, 23058), (523, 22986),

Gene: DinoDaryn_38 Start: 27370, Stop: 26255, Start Num: 79

Candidate Starts for DinoDaryn_38:

(Start: 79 @27370 has 12 MA's), (196, 27031), (223, 26998), (347, 26704), (353, 26692), (431, 26512), (477, 26341), (483, 26314),

Gene: Dori_45 Start: 42022, Stop: 40820, Start Num: 57

Candidate Starts for Dori_45:

(Start: 57 @42022 has 7 MA's), (89, 41947), (98, 41923), (100, 41917), (132, 41812), (176, 41701), (177, 41698), (203, 41635), (253, 41500), (260, 41479), (285, 41425), (330, 41296), (332, 41290), (417, 41113), (420, 41110), (421, 41107), (430, 41086), (445, 41050), (466, 40984), (469, 40969), (486, 40903), (495, 40879), (505, 40849),

Gene: Drake55_36 Start: 26836, Stop: 25769, Start Num: 87

Candidate Starts for Drake55_36:

(Start: 23 @26953 has 2 MA's), (Start: 61 @26890 has 119 MA's), (Start: 87 @26836 has 14 MA's), (Start: 110 @26767 has 6 MA's), (122, 26722), (124, 26716), (147, 26650), (166, 26593), (218, 26503), (264, 26392), (276, 26368), (292, 26335), (296, 26323), (330, 26215), (331, 26212), (375, 26128), (378, 26122), (385, 26101), (390, 26086), (398, 26068), (474, 25882), (481, 25852), (483, 25846), (486, 25834), (500, 25795),

Gene: DreamEater_35 Start: 28536, Stop: 27415, Start Num: 68

Candidate Starts for DreamEater_35:

(Start: 68 @28536 has 3 MA's), (72, 28527), (127, 28365), (180, 28212), (194, 28170), (228, 28134), (247, 28089), (264, 28044), (285, 27996), (303, 27954), (304, 27951), (318, 27903), (330, 27870), (387, 27762), (469, 27570), (471, 27561), (505, 27450), (514, 27429),

Gene: DropBear_33 Start: 26364, Stop: 25237, Start Num: 61

Candidate Starts for DropBear_33:

(Start: 61 @26364 has 119 MA's), (99, 26277), (Start: 110 @26241 has 6 MA's), (122, 26196), (143, 26136), (178, 26040), (180, 26028), (181, 26022), (218, 25977), (242, 25923), (243, 25920), (251, 25896), (324, 25707), (330, 25689), (336, 25677), (363, 25638), (375, 25602), (378, 25596), (385, 25575), (390, 25560), (398, 25542), (461, 25404), (474, 25356), (481, 25326), (483, 25320), (486, 25308), (500, 25269),

Gene: DudeLittle_33 Start: 26423, Stop: 25302, Start Num: 64

Candidate Starts for DudeLittle_33:

(43, 26453), (Start: 64 @26423 has 8 MA's), (Start: 87 @26372 has 14 MA's), (Start: 110 @26303 has 6 MA's), (122, 26258), (178, 26102), (184, 26075), (218, 26039), (237, 25997), (243, 25982), (276, 25904), (292, 25871), (296, 25859), (302, 25841), (330, 25751), (336, 25739), (375, 25664), (378, 25658), (385, 25637), (390, 25622), (398, 25604), (410, 25577), (414, 25568), (474, 25418), (475, 25415), (481, 25388), (483, 25382), (486, 25370), (500, 25331),

Gene: DumpsterDude_40 Start: 35157, Stop: 33988, Start Num: 56

Candidate Starts for DumpsterDude_40:

(Start: 56 @35157 has 82 MA's), (114, 35001), (145, 34914), (174, 34833), (184, 34797), (208, 34743), (209, 34737), (213, 34725), (216, 34713), (254, 34620), (256, 34614), (270, 34584), (306, 34515), (307, 34512), (314, 34482), (315, 34479), (337, 34431), (375, 34359), (454, 34197), (458, 34185), (466, 34158), (481, 34098), (484, 34089), (500, 34044), (515, 34005),

Gene: Duplo_37 Start: 26512, Stop: 25388, Start Num: 61

Candidate Starts for Duplo_37:

(Start: 61 @26512 has 119 MA's), (Start: 87 @26458 has 14 MA's), (Start: 110 @26389 has 6 MA's), (178, 26188), (184, 26161), (218, 26125), (242, 26071), (243, 26068), (252, 26041), (276, 25990), (292, 25957), (296, 25945), (302, 25927), (324, 25855), (330, 25837), (336, 25825), (363, 25786), (375, 25750), (378, 25744), (385, 25723), (390, 25708), (398, 25690), (410, 25663), (461, 25552), (474, 25504), (475, 25501), (481, 25474), (483, 25468), (486, 25456), (500, 25417),

Gene: Eagle_32 Start: 26273, Stop: 25152, Start Num: 61

Candidate Starts for Eagle_32:

(Start: 32 @26318 has 3 MA's), (47, 26291), (Start: 61 @26273 has 119 MA's), (Start: 92 @26204 has 8 MA's), (Start: 110 @26150 has 6 MA's), (181, 25931), (184, 25922), (218, 25886), (237, 25844), (242, 25832), (243, 25829), (276, 25751), (324, 25616), (330, 25598), (375, 25511), (378, 25505), (385, 25484), (390, 25469), (398, 25451), (461, 25313), (474, 25265), (481, 25235), (483, 25229), (486, 25217), (500, 25178),

Gene: Easley_35 Start: 28370, Stop: 27201, Start Num: 56

Candidate Starts for Easley_35:

(Start: 56 @28370 has 82 MA's), (145, 28127), (175, 28043), (184, 28010), (213, 27938), (216, 27926), (237, 27881), (254, 27833), (306, 27728), (307, 27725), (314, 27695), (317, 27686), (375, 27572), (403, 27500), (404, 27497), (415, 27473), (420, 27467), (424, 27455), (454, 27410), (458, 27398), (466, 27371), (491, 27278), (500, 27257), (515, 27218),

Gene: Eesa_33 Start: 25111, Stop: 23927, Start Num: 56

Candidate Starts for Eesa_33:

(Start: 56 @25111 has 82 MA's), (137, 24892), (145, 24874), (186, 24757), (219, 24667), (348, 24352), (383, 24259), (387, 24247), (394, 24229), (454, 24112), (465, 24076),

Gene: Ein37_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for Ein37_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184, 26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: EpicPhail_36 Start: 26790, Stop: 25645, Start Num: 61

Candidate Starts for EpicPhail_36:

(Start: 61 @26790 has 119 MA's), (Start: 81 @26751 has 10 MA's), (99, 26703), (Start: 110 @26667 has 6 MA's), (122, 26622), (178, 26466), (184, 26439), (218, 26403), (243, 26346), (276, 26268), (285, 26244), (302, 26205), (324, 26133), (327, 26121), (330, 26115), (336, 26103), (375, 26028), (378, 26022), (385, 26001), (390, 25986), (398, 25968), (409, 25944), (461, 25830), (473, 25785), (474, 25782), (477, 25773), (481, 25752), (483, 25746), (486, 25734), (500, 25695),

Gene: Equemioh13_35 Start: 26811, Stop: 25678, Start Num: 61

Candidate Starts for Equemioh13_35:

(Start: 61 @26811 has 119 MA's), (Start: 87 @26757 has 14 MA's), (Start: 110 @26688 has 6 MA's), (122, 26643), (178, 26487), (184, 26460), (218, 26424), (243, 26367), (296, 26244), (302, 26226), (330, 26136), (336, 26124), (375, 26049), (378, 26043), (385, 26022), (390, 26007), (398, 25989), (410, 25962), (414, 25953), (461, 25851), (474, 25803), (481, 25773), (483, 25767), (486, 25755),

(500, 25716),

Gene: Eurydice_33 Start: 26248, Stop: 25127, Start Num: 61

Candidate Starts for Eurydice_33:

(Start: 32 @26293 has 3 MA's), (47, 26266), (Start: 61 @26248 has 119 MA's), (Start: 92 @26179 has 8 MA's), (Start: 110 @26125 has 6 MA's), (181, 25906), (184, 25897), (218, 25861), (237, 25819), (242, 25807), (243, 25804), (276, 25726), (324, 25591), (330, 25573), (375, 25486), (378, 25480), (385, 25459), (390, 25444), (398, 25426), (461, 25288), (474, 25240), (481, 25210), (483, 25204), (486, 25192), (500, 25153),

Gene: Evanesce_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for Evanesce_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184, 26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: EvilGenius_36 Start: 28005, Stop: 27007, Start Num: 110

Candidate Starts for EvilGenius_36:

(Start: 38 @28152 has 7 MA's), (Start: 50 @28134 has 5 MA's), (Start: 92 @28053 has 8 MA's), (Start: 110 @28005 has 6 MA's), (122, 27960), (178, 27804), (184, 27777), (218, 27741), (243, 27684), (276, 27606), (292, 27573), (296, 27561), (302, 27543), (330, 27453), (336, 27441), (375, 27366), (378, 27360), (385, 27339), (390, 27324), (398, 27306), (410, 27279), (414, 27270), (461, 27168), (474, 27120), (475, 27117), (481, 27090), (483, 27084), (486, 27072), (500, 27033),

Gene: Fameo_34 Start: 26494, Stop: 25430, Start Num: 87

Candidate Starts for Fameo_34:

(43, 26575), (Start: 64 @26545 has 8 MA's), (Start: 87 @26494 has 14 MA's), (Start: 110 @26425 has 6 MA's), (122, 26380), (178, 26224), (184, 26197), (218, 26161), (243, 26104), (276, 26026), (292, 25993), (296, 25981), (302, 25963), (330, 25873), (336, 25861), (378, 25780), (385, 25759), (390, 25744), (398, 25726), (410, 25699), (461, 25588), (473, 25543), (474, 25540), (475, 25537), (481, 25510), (483, 25504), (486, 25492), (500, 25453),

Gene: Farber_36 Start: 26744, Stop: 25638, Start Num: 81

Candidate Starts for Farber_36:

(Start: 61 @26783 has 119 MA's), (Start: 81 @26744 has 10 MA's), (Start: 110 @26660 has 6 MA's), (122, 26615), (178, 26459), (184, 26432), (218, 26396), (243, 26339), (276, 26261), (285, 26237), (302, 26198), (324, 26126), (327, 26114), (330, 26108), (336, 26096), (375, 26021), (378, 26015), (385, 25994), (390, 25979), (398, 25961), (409, 25937), (461, 25823), (473, 25778), (474, 25775), (477, 25766), (481, 25745), (483, 25739), (486, 25727), (500, 25688),

Gene: Fernando_36 Start: 26750, Stop: 25644, Start Num: 81

Candidate Starts for Fernando_36:

(Start: 61 @26789 has 119 MA's), (Start: 81 @26750 has 10 MA's), (99, 26702), (Start: 110 @26666 has 6 MA's), (122, 26621), (178, 26465), (184, 26438), (218, 26402), (243, 26345), (276, 26267), (285, 26243), (302, 26204), (324, 26132), (327, 26120), (330, 26114), (336, 26102), (375, 26027), (378, 26021), (385, 26000), (390, 25985), (398, 25967), (409, 25943), (461, 25829), (473, 25784), (474, 25781), (477, 25772), (481, 25751), (483, 25745), (486, 25733), (500, 25694),

Gene: Fingolfin_36 Start: 23916, Stop: 22723, Start Num: 56

Candidate Starts for Fingolfin_36:

(Start: 56 @23916 has 82 MA's), (213, 23487), (237, 23430), (246, 23406), (333, 23178), (387, 23052), (390, 23040), (400, 23019), (465, 22881), (486, 22800), (505, 22752),

Gene: Finkle_45 Start: 32773, Stop: 31643, Start Num: 75

Candidate Starts for Finkle_45:

(48, 32830), (Start: 75 @32773 has 2 MA's), (85, 32749), (98, 32716), (153, 32554), (199, 32419), (200, 32416), (228, 32350), (262, 32266), (266, 32257), (278, 32230), (295, 32188), (304, 32161), (341, 32056), (377, 31972), (431, 31870), (451, 31846), (467, 31795), (470, 31777), (476, 31759), (481, 31735), (485, 31723),

Gene: FiringLine_34 Start: 26370, Stop: 25255, Start Num: 64

Candidate Starts for FiringLine_34:

(43, 26400), (Start: 64 @26370 has 8 MA's), (Start: 110 @26250 has 6 MA's), (122, 26205), (178, 26049), (184, 26022), (218, 25986), (237, 25944), (243, 25929), (292, 25818), (296, 25806), (302, 25788), (330, 25698), (336, 25686), (375, 25611), (378, 25605), (385, 25584), (390, 25569), (398, 25551), (410, 25524), (414, 25515), (461, 25413), (473, 25368), (474, 25365), (475, 25362), (481, 25335), (483, 25329), (486, 25317), (500, 25278),

Gene: Flare16_34 Start: 26449, Stop: 25382, Start Num: 87

Candidate Starts for Flare16_34:

(Start: 23 @26566 has 2 MA's), (Start: 61 @26503 has 119 MA's), (Start: 87 @26449 has 14 MA's), (Start: 110 @26380 has 6 MA's), (122, 26335), (165, 26209), (184, 26152), (218, 26116), (242, 26062), (243, 26059), (296, 25936), (302, 25918), (330, 25828), (336, 25816), (375, 25741), (378, 25735), (385, 25714), (390, 25699), (398, 25681), (410, 25654), (474, 25495), (481, 25465), (483, 25459), (486, 25447), (500, 25408),

Gene: Forge_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for Forge_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184, 26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: Francois_38 Start: 31405, Stop: 30134, Start Num: 56

Candidate Starts for Francois_38:

(Start: 56 @31405 has 82 MA's), (Start: 63 @31390 has 2 MA's), (103, 31288), (116, 31246), (145, 31159), (171, 31084), (175, 31075), (180, 31057), (216, 30958), (219, 30955), (254, 30865), (303, 30769), (335, 30664), (339, 30658), (404, 30496), (458, 30355), (470, 30310), (484, 30259), (491, 30235), (497, 30223), (501, 30211), (519, 30172),

Gene: Fred313_33 Start: 26049, Stop: 24922, Start Num: 61

Candidate Starts for Fred313_33:

(Start: 61 @26049 has 119 MA's), (99, 25962), (Start: 110 @25926 has 6 MA's), (122, 25881), (143, 25821), (178, 25725), (180, 25713), (181, 25707), (218, 25662), (242, 25608), (243, 25605), (251, 25581), (324, 25392), (330, 25374), (336, 25362), (363, 25323), (375, 25287), (378, 25281), (385, 25260), (390, 25245), (398, 25227), (461, 25089), (474, 25041), (481, 25011), (483, 25005), (486, 24993), (500, 24954),

Gene: FroggyToad_38 Start: 30081, Stop: 28912, Start Num: 56

Candidate Starts for FroggyToad_38:

(Start: 56 @30081 has 82 MA's), (145, 29838), (174, 29757), (184, 29721), (194, 29694), (208, 29667), (209, 29661), (213, 29649), (216, 29637), (251, 29553), (254, 29544), (256, 29538), (306, 29439), (307, 29436), (314, 29406), (337, 29355), (375, 29283), (386, 29253), (454, 29121), (458, 29109), (481, 29022), (484, 29013), (500, 28968), (515, 28929),

Gene: GMA4_29 Start: 26449, Stop: 25217, Start Num: 46

Candidate Starts for GMA4_29:

(46, 26449), (132, 26212), (137, 26203), (140, 26197), (216, 25981), (241, 25924), (272, 25837), (306, 25753), (308, 25747), (317, 25711), (375, 25570), (403, 25498), (462, 25381), (481, 25309), (491, 25276), (492, 25273),

Gene: GUPitcher_34 Start: 28767, Stop: 27628, Start Num: 68

Candidate Starts for GUPitcher_34:

(Start: 68 @28767 has 3 MA's), (96, 28701), (118, 28626), (123, 28605), (140, 28560), (170, 28476), (188, 28419), (194, 28401), (228, 28365), (242, 28335), (247, 28320), (251, 28308), (258, 28287), (276, 28251), (277, 28248), (285, 28227), (303, 28185), (304, 28182), (310, 28158), (324, 28119), (330, 28101), (387, 27993), (408, 27942), (449, 27870), (469, 27801), (470, 27795), (471, 27792), (514, 27660), (517, 27654),

Gene: Gaia_52 Start: 37562, Stop: 38833, Start Num: 20

Candidate Starts for Gaia_52:

(Start: 20 @37562 has 10 MA's), (35, 37610), (Start: 58 @37649 has 1 MA's), (159, 37928), (202, 38045), (237, 38114), (238, 38117), (242, 38126), (252, 38156), (282, 38222), (297, 38258), (306, 38285), (307, 38288), (310, 38303), (311, 38309), (323, 38342), (330, 38357), (331, 38360), (332, 38363), (340, 38375), (349, 38393), (354, 38402), (369, 38444), (371, 38450), (373, 38453), (391, 38498), (423, 38570), (450, 38636), (459, 38663), (480, 38747), (481, 38750), (489, 38777), (496, 38798),

Gene: Galaxy_33 Start: 24046, Stop: 22862, Start Num: 56

Candidate Starts for Galaxy_33:

(Start: 56 @24046 has 82 MA's), (186, 23692), (213, 23617), (219, 23602), (333, 23308), (348, 23287), (359, 23260), (383, 23194), (387, 23182), (394, 23164), (462, 23020), (465, 23011),

Gene: Gallop_33 Start: 28238, Stop: 27153, Start Num: 70

Candidate Starts for Gallop_33:

(70, 28238), (91, 28190), (190, 27896), (243, 27815), (265, 27764), (325, 27599), (355, 27539), (369, 27500), (379, 27476), (394, 27440), (395, 27437), (405, 27410), (438, 27362), (466, 27293), (470, 27272), (471, 27269), (472, 27266), (481, 27230), (493, 27191), (496, 27182), (502, 27167), (504, 27161),

Gene: Gancho_28 Start: 26243, Stop: 25008, Start Num: 39

Candidate Starts for Gancho_28:

(Start: 39 @26243 has 2 MA's), (Start: 66 @26201 has 21 MA's), (Start: 92 @26135 has 8 MA's), (115, 26066), (119, 26054), (129, 26015), (133, 26000), (136, 25994), (142, 25982), (163, 25922), (184, 25865), (201, 25832), (203, 25829), (205, 25826), (247, 25712), (252, 25697), (260, 25673), (268, 25658), (273, 25643), (285, 25619), (292, 25607), (305, 25568), (306, 25565), (315, 25529), (332, 25481), (334, 25478), (375, 25406), (378, 25400), (382, 25388), (383, 25385), (385, 25379), (406, 25325), (417, 25304), (430, 25277), (437, 25259), (440, 25253), (456, 25208), (464, 25181), (466, 25175), (473, 25145), (479, 25118), (500, 25055),

Gene: GaugeLDP_35 Start: 27254, Stop: 26070, Start Num: 23

Candidate Starts for GaugeLDP_35:

(Start: 23 @27254 has 2 MA's), (Start: 61 @27191 has 119 MA's), (Start: 87 @27137 has 14 MA's), (Start: 110 @27068 has 6 MA's), (122, 27023), (166, 26894), (218, 26804), (264, 26693), (330, 26516), (336, 26504), (375, 26429), (378, 26423), (385, 26402), (390, 26387), (398, 26369), (461, 26231), (474, 26183), (475, 26180), (481, 26153), (483, 26147), (486, 26135), (500, 26096),

Gene: Gemma_35 Start: 26639, Stop: 25494, Start Num: 61

Candidate Starts for Gemma_35:

(Start: 23 @26702 has 2 MA's), (Start: 61 @26639 has 119 MA's), (Start: 87 @26585 has 14 MA's), (Start: 110 @26516 has 6 MA's), (181, 26297), (184, 26288), (218, 26252), (243, 26195), (276, 26117), (292, 26084), (324, 25982), (330, 25964), (336, 25952), (375, 25877), (378, 25871), (385, 25850), (390, 25835), (398, 25817), (409, 25793), (473, 25634), (474, 25631), (481, 25601), (483, 25595), (486, 25583), (500, 25544),

Gene: Georgie2_35 Start: 26415, Stop: 25300, Start Num: 64

Candidate Starts for Georgie2_35:

(43, 26445), (Start: 64 @26415 has 8 MA's), (Start: 110 @26295 has 6 MA's), (122, 26250), (178, 26094), (184, 26067), (218, 26031), (237, 25989), (243, 25974), (276, 25896), (292, 25863), (296, 25851), (302, 25833), (330, 25743), (336, 25731), (375, 25656), (378, 25650), (385, 25629), (390, 25614), (398, 25596), (410, 25569), (461, 25458), (473, 25413), (474, 25410), (475, 25407), (481, 25380), (483, 25374), (486, 25362), (500, 25323),

Gene: Giles_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for Giles_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184, 26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: GingkoMaracino_36 Start: 26637, Stop: 25531, Start Num: 81

Candidate Starts for GingkoMaracino_36:

(Start: 61 @26676 has 119 MA's), (Start: 81 @26637 has 10 MA's), (99, 26589), (Start: 110 @26553 has 6 MA's), (122, 26508), (178, 26352), (184, 26325), (218, 26289), (243, 26232), (276, 26154), (285, 26130), (302, 26091), (324, 26019), (327, 26007), (330, 26001), (336, 25989), (375, 25914), (378, 25908), (385, 25887), (390, 25872), (398, 25854), (409, 25830), (461, 25716), (473, 25671), (474, 25668), (477, 25659), (481, 25638), (483, 25632), (486, 25620), (500, 25581),

Gene: Giroux_34 Start: 26296, Stop: 25169, Start Num: 61

Candidate Starts for Giroux_34:

(Start: 61 @26296 has 119 MA's), (99, 26209), (Start: 110 @26173 has 6 MA's), (122, 26128), (178, 25972), (180, 25960), (181, 25954), (218, 25909), (242, 25855), (243, 25852), (251, 25828), (330, 25621), (336, 25609), (363, 25570), (375, 25534), (378, 25528), (385, 25507), (390, 25492), (398, 25474), (461, 25336), (474, 25288), (481, 25258), (483, 25252), (486, 25240), (500, 25201),

Gene: Glotell_37 Start: 24072, Stop: 22879, Start Num: 56

Candidate Starts for Glotell_37:

(Start: 56 @24072 has 82 MA's), (213, 23643), (237, 23586), (246, 23562), (333, 23334), (387, 23208), (390, 23196), (400, 23175), (465, 23037), (486, 22956), (505, 22908),

Gene: Goib_39 Start: 28036, Stop: 26921, Start Num: 79

Candidate Starts for Goib_39:

(46, 28105), (Start: 79 @28036 has 12 MA's), (196, 27697), (223, 27664), (347, 27370), (353, 27358), (431, 27178), (483, 26980),

Gene: Gonephishing_76 Start: 48662, Stop: 49951, Start Num: 19

Candidate Starts for Gonephishing_76:

(11, 48620), (Start: 19 @48662 has 1 MA's), (Start: 20 @48677 has 10 MA's), (21, 48680), (35, 48725), (Start: 58 @48764 has 1 MA's), (194, 49145), (237, 49229), (243, 49244), (297, 49373), (349, 49493), (374, 49556), (381, 49574), (391, 49598), (423, 49670), (480, 49847), (481, 49850), (483, 49856), (488, 49874), (493, 49889), (496, 49898), (497, 49901), (513, 49946),

Gene: GrandSlam_39 Start: 31803, Stop: 30532, Start Num: 56

Candidate Starts for GrandSlam_39:

(Start: 56 @31803 has 82 MA's), (Start: 63 @31788 has 2 MA's), (103, 31686), (116, 31644), (120, 31632), (145, 31557), (171, 31482), (175, 31473), (180, 31455), (216, 31356), (219, 31353), (254, 31263), (306, 31158), (335, 31062), (339, 31056), (404, 30894), (458, 30753), (470, 30708), (484, 30657), (486, 30648), (491, 30633), (497, 30621), (501, 30609), (519, 30570),

Gene: Gratitude_34 Start: 26757, Stop: 25678, Start Num: 87

Candidate Starts for Gratitude_34:

(Start: 61 @26811 has 119 MA's), (Start: 87 @26757 has 14 MA's), (Start: 110 @26688 has 6 MA's), (122, 26643), (178, 26487), (184, 26460), (218, 26424), (243, 26367), (296, 26244), (302, 26226), (330, 26136), (336, 26124), (375, 26049), (378, 26043), (385, 26022), (390, 26007), (398, 25989), (410, 25962), (414, 25953), (461, 25851), (474, 25803), (481, 25773), (483, 25767), (486, 25755), (500, 25716),

Gene: Gravaillia_29 Start: 26207, Stop: 25014, Start Num: 66

Candidate Starts for Gravaillia_29:

(Start: 39 @26249 has 2 MA's), (Start: 66 @26207 has 21 MA's), (Start: 92 @26141 has 8 MA's), (115, 26072), (119, 26060), (129, 26021), (133, 26006), (136, 26000), (142, 25988), (163, 25928), (184, 25871), (201, 25838), (203, 25835), (205, 25832), (247, 25718), (252, 25703), (260, 25679), (268, 25664), (273, 25649), (285, 25625), (292, 25613), (305, 25574), (306, 25571), (315, 25535), (332, 25487), (334, 25484), (375, 25412), (378, 25406), (382, 25394), (383, 25391), (385, 25385), (406, 25331), (417, 25310), (430, 25283), (437, 25265), (440, 25259), (456, 25214), (464, 25187), (466, 25181), (473, 25151), (479, 25124), (500, 25061),

Gene: Gravel_41 Start: 25089, Stop: 23905, Start Num: 56

Candidate Starts for Gravel_41:

(Start: 56 @25089 has 82 MA's), (137, 24870), (145, 24852), (186, 24735), (213, 24660), (348, 24330), (383, 24237), (387, 24225), (394, 24207), (454, 24090), (465, 24054),

Gene: Grif_36 Start: 26864, Stop: 25719, Start Num: 61

Candidate Starts for Grif_36:

(Start: 61 @26864 has 119 MA's), (Start: 81 @26825 has 10 MA's), (99, 26777), (Start: 110 @26741 has 6 MA's), (122, 26696), (178, 26540), (184, 26513), (218, 26477), (243, 26420), (276, 26342), (285, 26318), (302, 26279), (324, 26207), (327, 26195), (330, 26189), (336, 26177), (375, 26102), (378, 26096), (385, 26075), (390, 26060), (398, 26042), (409, 26018), (461, 25904), (473, 25859), (474, 25856), (477, 25847), (481, 25826), (483, 25820), (486, 25808), (500, 25769),

Gene: Groupthink_36 Start: 26643, Stop: 25498, Start Num: 61

Candidate Starts for Groupthink_36:

(Start: 23 @26706 has 2 MA's), (Start: 61 @26643 has 119 MA's), (Start: 87 @26589 has 14 MA's), (Start: 110 @26520 has 6 MA's), (181, 26301), (184, 26292), (218, 26256), (243, 26199), (276, 26121), (292, 26088), (324, 25986), (330, 25968), (336, 25956), (375, 25881), (378, 25875), (385, 25854),

(390, 25839), (398, 25821), (409, 25797), (473, 25638), (474, 25635), (481, 25605), (483, 25599), (486, 25587), (500, 25548),

Gene: Grub_36 Start: 26782, Stop: 25637, Start Num: 61

Candidate Starts for Grub_36:

(Start: 61 @26782 has 119 MA's), (Start: 81 @26743 has 10 MA's), (Start: 110 @26659 has 6 MA's), (122, 26614), (178, 26458), (184, 26431), (218, 26395), (243, 26338), (276, 26260), (285, 26236), (302, 26197), (324, 26125), (327, 26113), (330, 26107), (336, 26095), (375, 26020), (378, 26014), (385, 25993), (390, 25978), (398, 25960), (409, 25936), (461, 25822), (473, 25777), (474, 25774), (477, 25765), (481, 25744), (483, 25738), (486, 25726), (500, 25687),

Gene: Grum1_36 Start: 26789, Stop: 25644, Start Num: 61

Candidate Starts for Grum1_36:

(Start: 61 @26789 has 119 MA's), (Start: 81 @26750 has 10 MA's), (99, 26702), (Start: 110 @26666 has 6 MA's), (122, 26621), (178, 26465), (184, 26438), (218, 26402), (243, 26345), (276, 26267), (285, 26243), (302, 26204), (324, 26132), (327, 26120), (330, 26114), (336, 26102), (375, 26027), (378, 26021), (385, 26000), (390, 25985), (398, 25967), (409, 25943), (461, 25829), (473, 25784), (474, 25781), (477, 25772), (481, 25751), (483, 25745), (486, 25733), (500, 25694),

Gene: Gspu1_28 Start: 24542, Stop: 23361, Start Num: 75

Candidate Starts for Gspu1_28:

(42, 24608), (54, 24593), (Start: 64 @24572 has 8 MA's), (Start: 75 @24542 has 2 MA's), (90, 24506), (93, 24497), (95, 24494), (104, 24470), (139, 24359), (247, 24110), (262, 24071), (306, 23969), (330, 23891), (343, 23867), (352, 23852), (367, 23813), (374, 23795), (377, 23786), (395, 23744), (407, 23717), (428, 23675), (459, 23570), (470, 23525), (473, 23516), (476, 23507), (481, 23483), (515, 23387),

Gene: GtownJaz_36 Start: 26791, Stop: 25646, Start Num: 61

Candidate Starts for GtownJaz_36:

(Start: 61 @26791 has 119 MA's), (Start: 81 @26752 has 10 MA's), (Start: 110 @26668 has 6 MA's), (122, 26623), (178, 26467), (184, 26440), (218, 26404), (243, 26347), (276, 26269), (285, 26245), (302, 26206), (324, 26134), (327, 26122), (330, 26116), (336, 26104), (375, 26029), (378, 26023), (385, 26002), (390, 25987), (398, 25969), (409, 25945), (461, 25831), (473, 25786), (474, 25783), (477, 25774), (481, 25753), (483, 25747), (486, 25735), (500, 25696),

Gene: Gwennie_35 Start: 26790, Stop: 25645, Start Num: 61

Candidate Starts for Gwennie_35:

(Start: 61 @26790 has 119 MA's), (Start: 81 @26751 has 10 MA's), (99, 26703), (Start: 110 @26667 has 6 MA's), (122, 26622), (178, 26466), (184, 26439), (218, 26403), (243, 26346), (276, 26268), (285, 26244), (302, 26205), (324, 26133), (327, 26121), (330, 26115), (336, 26103), (375, 26028), (378, 26022), (385, 26001), (390, 25986), (398, 25968), (409, 25944), (461, 25830), (473, 25785), (474, 25782), (477, 25773), (481, 25752), (483, 25746), (486, 25734), (500, 25695),

Gene: HH92_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for HH92_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184, 26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: Hadrien_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for Hadrien_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184, 26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: Hail_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for Hail_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184, 26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: HamCheese_36 Start: 23900, Stop: 22707, Start Num: 56

Candidate Starts for HamCheese_36:

(Start: 56 @23900 has 82 MA's), (213, 23471), (237, 23414), (246, 23390), (333, 23162), (387, 23036), (390, 23024), (400, 23003), (465, 22865), (486, 22784), (505, 22736),

Gene: Hamood_39 Start: 31803, Stop: 30532, Start Num: 56

Candidate Starts for Hamood_39:

(Start: 56 @31803 has 82 MA's), (Start: 63 @31788 has 2 MA's), (103, 31686), (116, 31644), (120, 31632), (145, 31557), (171, 31482), (175, 31473), (180, 31455), (216, 31356), (219, 31353), (254, 31263), (306, 31158), (335, 31062), (339, 31056), (404, 30894), (458, 30753), (470, 30708), (484, 30657), (486, 30648), (491, 30633), (497, 30621), (501, 30609), (519, 30570),

Gene: Hannaconda_75 Start: 47285, Stop: 48559, Start Num: 20

Candidate Starts for Hannaconda_75:

(11, 47228), (Start: 19 @47270 has 1 MA's), (Start: 20 @47285 has 10 MA's), (21, 47288), (35, 47333), (Start: 58 @47372 has 1 MA's), (194, 47753), (237, 47837), (242, 47849), (243, 47852), (297, 47981), (349, 48101), (374, 48164), (381, 48182), (391, 48206), (423, 48278), (480, 48455), (481, 48458), (483, 48464), (488, 48482), (493, 48497), (496, 48506), (497, 48509), (513, 48554),

Gene: HannahPhantana_37 Start: 24015, Stop: 22828, Start Num: 56

Candidate Starts for HannahPhantana_37:

(18, 24105), (Start: 56 @24015 has 82 MA's), (213, 23586), (387, 23151), (454, 23016),

Gene: HarryHoudini_36 Start: 26909, Stop: 25782, Start Num: 65

Candidate Starts for HarryHoudini_36:

(31, 26963), (Start: 65 @26909 has 8 MA's), (Start: 81 @26876 has 10 MA's), (Start: 92 @26846 has 8 MA's), (Start: 110 @26792 has 6 MA's), (122, 26747), (184, 26564), (218, 26528), (243, 26471), (276, 26393), (296, 26348), (302, 26330), (330, 26240), (336, 26228), (354, 26207), (375, 26153), (378, 26147), (385, 26126), (390, 26111), (398, 26093), (410, 26066), (461, 25955), (473, 25910), (474, 25907), (475, 25904), (481, 25877), (483, 25871), (486, 25859), (500, 25820),

Gene: HaveUMetTed_36 Start: 26636, Stop: 25491, Start Num: 61

Candidate Starts for HaveUMetTed_36:

(Start: 23 @26699 has 2 MA's), (Start: 61 @26636 has 119 MA's), (Start: 87 @26582 has 14 MA's), (Start: 110 @26513 has 6 MA's), (181, 26294), (184, 26285), (218, 26249), (243, 26192), (276, 26114), (292, 26081), (324, 25979), (330, 25961), (336, 25949), (375, 25874), (378, 25868), (385, 25847), (390, 25832), (398, 25814), (473, 25631), (474, 25628), (481, 25598), (483, 25592), (486, 25580), (500, 25541),

Gene: Heathen_33 Start: 26105, Stop: 24978, Start Num: 61

Candidate Starts for Heathen_33:

(Start: 61 @26105 has 119 MA's), (99, 26018), (Start: 110 @25982 has 6 MA's), (122, 25937), (178, 25781), (180, 25769), (181, 25763), (218, 25718), (242, 25664), (243, 25661), (251, 25637), (324, 25448), (330, 25430), (336, 25418), (363, 25379), (375, 25343), (378, 25337), (385, 25316), (390, 25301), (398, 25283), (461, 25145), (474, 25097), (481, 25067), (483, 25061), (486, 25049), (500, 25010),

Gene: Heffalump_35 Start: 27571, Stop: 26564, Start Num: 110

Candidate Starts for Heffalump_35:

(Start: 51 @27706 has 1 MA's), (Start: 110 @27571 has 6 MA's), (121, 27535), (122, 27526), (166, 27397), (218, 27307), (264, 27196), (276, 27172), (292, 27139), (296, 27127), (330, 27019), (331, 27016), (375, 26932), (378, 26926), (385, 26905), (390, 26890), (398, 26872), (474, 26686), (481, 26656), (483, 26650), (486, 26638), (500, 26599), (509, 26575),

Gene: HelDan_33 Start: 26357, Stop: 25230, Start Num: 61

Candidate Starts for HelDan_33:

(Start: 61 @26357 has 119 MA's), (99, 26270), (Start: 110 @26234 has 6 MA's), (122, 26189), (178, 26033), (180, 26021), (181, 26015), (218, 25970), (242, 25916), (243, 25913), (251, 25889), (324, 25700), (330, 25682), (336, 25670), (363, 25631), (375, 25595), (378, 25589), (385, 25568), (390, 25553), (398, 25535), (461, 25397), (474, 25349), (481, 25319), (483, 25313), (486, 25301), (500, 25262),

Gene: Heliosoles_35 Start: 26643, Stop: 25498, Start Num: 61

Candidate Starts for Heliosoles_35:

(Start: 23 @26706 has 2 MA's), (Start: 61 @26643 has 119 MA's), (Start: 87 @26589 has 14 MA's), (Start: 110 @26520 has 6 MA's), (181, 26301), (184, 26292), (218, 26256), (243, 26199), (276, 26121), (292, 26088), (324, 25986), (330, 25968), (336, 25956), (375, 25881), (378, 25875), (385, 25854), (390, 25839), (398, 25821), (409, 25797), (473, 25638), (474, 25635), (481, 25605), (483, 25599), (486, 25587), (500, 25548),

Gene: Hercules11_36 Start: 26798, Stop: 25653, Start Num: 61

Candidate Starts for Hercules11_36:

(Start: 61 @26798 has 119 MA's), (Start: 81 @26759 has 10 MA's), (99, 26711), (Start: 110 @26675 has 6 MA's), (122, 26630), (178, 26474), (184, 26447), (218, 26411), (243, 26354), (276, 26276), (285, 26252), (302, 26213), (324, 26141), (327, 26129), (330, 26123), (336, 26111), (375, 26036), (378, 26030), (385, 26009), (390, 25994), (398, 25976), (409, 25952), (461, 25838), (473, 25793), (474, 25790), (477, 25781), (481, 25760), (483, 25754), (486, 25742), (500, 25703),

Gene: Hestia_38 Start: 27099, Stop: 25888, Start Num: 30

Candidate Starts for Hestia_38:

(Start: 27 @27108 has 2 MA's), (Start: 30 @27099 has 2 MA's), (60, 27051), (98, 26958), (166, 26742), (211, 26661), (247, 26598), (262, 26562), (274, 26535), (388, 26247), (402, 26214), (411, 26193), (477, 26019), (481, 25998), (490, 25968), (503, 25929),

Gene: HippoHollow_33 Start: 27726, Stop: 26545, Start Num: 50

Candidate Starts for HippoHollow_33:

(Start: 38 @27744 has 7 MA's), (Start: 50 @27726 has 5 MA's), (Start: 79 @27678 has 12 MA's), (Start: 92 @27645 has 8 MA's), (Start: 110 @27597 has 6 MA's), (122, 27552), (218, 27333), (264, 27222), (276, 27198), (296, 27153), (330, 27045), (336, 27033), (375, 26958), (378, 26952), (385, 26931), (390, 26916), (474, 26712), (481, 26682), (483, 26676), (486, 26664), (500, 26625), (523, 26553),

Gene: Huffu_38 Start: 27370, Stop: 26255, Start Num: 79

Candidate Starts for Huffu_38:

(Start: 79 @27370 has 12 MA's), (196, 27031), (223, 26998), (347, 26704), (353, 26692), (431, 26512), (477, 26341), (483, 26314),

Gene: Hum25_34 Start: 25182, Stop: 24091, Start Num: 66

Candidate Starts for Hum25_34:

(Start: 55 @25206 has 4 MA's), (Start: 66 @25182 has 21 MA's), (128, 25011), (137, 24984), (156, 24945), (180, 24876), (186, 24855), (190, 24846), (212, 24789), (215, 24777), (216, 24774), (221, 24765), (226, 24753), (250, 24693), (252, 24684), (262, 24669), (301, 24603), (310, 24570), (318, 24543), (350, 24489), (359, 24468), (376, 24420), (378, 24417), (382, 24405), (385, 24396), (390, 24378), (392, 24375), (397, 24369), (402, 24357), (421, 24324), (454, 24270), (462, 24243), (481, 24171), (500, 24117),

Gene: Idleandcovert_33 Start: 26297, Stop: 25170, Start Num: 61

Candidate Starts for Idleandcovert_33:

(Start: 61 @26297 has 119 MA's), (99, 26210), (Start: 110 @26174 has 6 MA's), (122, 26129), (178, 25973), (180, 25961), (181, 25955), (218, 25910), (242, 25856), (243, 25853), (276, 25775), (330, 25622), (336, 25610), (363, 25571), (375, 25535), (378, 25529), (385, 25508), (390, 25493), (398, 25475), (410, 25448), (461, 25337), (474, 25289), (481, 25259), (483, 25253), (486, 25241), (500, 25202),

Gene: IronMan_36 Start: 28052, Stop: 26925, Start Num: 50

Candidate Starts for IronMan_36:

(Start: 38 @28070 has 7 MA's), (Start: 50 @28052 has 5 MA's), (Start: 110 @27923 has 6 MA's), (122, 27878), (184, 27695), (218, 27659), (243, 27602), (247, 27590), (302, 27461), (330, 27371), (336, 27359), (375, 27284), (385, 27257), (390, 27242), (398, 27224), (407, 27203), (461, 27086), (473, 27041), (474, 27038), (475, 27035), (481, 27008), (483, 27002), (486, 26990), (500, 26951),

Gene: Isca_33 Start: 26066, Stop: 24942, Start Num: 61

Candidate Starts for Isca_33:

(Start: 34 @26108 has 1 MA's), (Start: 61 @26066 has 119 MA's), (Start: 81 @26027 has 10 MA's), (99, 25979), (Start: 110 @25943 has 6 MA's), (122, 25898), (130, 25868), (166, 25769), (218, 25679), (264, 25568), (276, 25544), (296, 25499), (330, 25391), (336, 25379), (354, 25358), (375, 25304), (378, 25298), (385, 25277), (390, 25262), (398, 25244), (410, 25217), (461, 25106), (474, 25058), (475, 25055), (481, 25028), (483, 25022), (486, 25010), (493, 24989), (500, 24971),

Gene: Iwokeuplikedis_34 Start: 26178, Stop: 25060, Start Num: 61

Candidate Starts for Iwokeuplikedis_34:

(Start: 61 @26178 has 119 MA's), (Start: 110 @26055 has 6 MA's), (122, 26010), (179, 25851), (184, 25827), (218, 25791), (243, 25734), (276, 25656), (296, 25611), (302, 25593), (330, 25503), (336, 25491), (375, 25416), (385, 25389), (390, 25374), (398, 25356), (410, 25329), (461, 25218), (473, 25173), (474, 25170), (475, 25167), (481, 25140), (483, 25134), (486, 25122), (500, 25083),

Gene: JCole_37 Start: 29060, Stop: 27801, Start Num: 56

Candidate Starts for JCole_37:

(Start: 56 @29060 has 82 MA's), (175, 28730), (189, 28685), (213, 28625), (216, 28613), (237, 28568), (266, 28496), (339, 28328), (342, 28325), (382, 28232), (404, 28172), (450, 28055), (454, 28043), (462, 28016), (470, 27986), (486, 27926), (491, 27911), (497, 27899), (500, 27890), (515, 27851),

Gene: JF2_33 Start: 25816, Stop: 24692, Start Num: 61

Candidate Starts for JF2_33:

(Start: 34 @25858 has 1 MA's), (Start: 61 @25816 has 119 MA's), (Start: 110 @25693 has 6 MA's), (122, 25648), (147, 25576), (163, 25528), (181, 25474), (184, 25465), (218, 25429), (243, 25372), (330, 25141), (336, 25129), (354, 25108), (375, 25054), (378, 25048), (385, 25027), (390, 25012), (398, 24994), (410, 24967), (461, 24856), (474, 24808), (475, 24805), (481, 24778), (483, 24772), (486, 24760), (493, 24739), (500, 24721),

Gene: JF4_33 Start: 25816, Stop: 24692, Start Num: 61

Candidate Starts for JF4_33:

(Start: 34 @25858 has 1 MA's), (Start: 61 @25816 has 119 MA's), (Start: 110 @25693 has 6 MA's), (122, 25648), (147, 25576), (163, 25528), (181, 25474), (184, 25465), (218, 25429), (243, 25372), (330, 25141), (336, 25129), (354, 25108), (375, 25054), (378, 25048), (385, 25027), (390, 25012), (398, 24994), (410, 24967), (461, 24856), (474, 24808), (475, 24805), (481, 24778), (483, 24772), (486, 24760), (493, 24739), (500, 24721),

Gene: JHC117_36 Start: 26788, Stop: 25643, Start Num: 61

Candidate Starts for JHC117_36:

(Start: 61 @26788 has 119 MA's), (Start: 81 @26749 has 10 MA's), (99, 26701), (Start: 110 @26665 has 6 MA's), (122, 26620), (178, 26464), (184, 26437), (218, 26401), (243, 26344), (276, 26266), (285, 26242), (302, 26203), (324, 26131), (327, 26119), (330, 26113), (336, 26101), (375, 26026), (378, 26020), (385, 25999), (390, 25984), (398, 25966), (409, 25942), (461, 25828), (473, 25783), (474, 25780), (477, 25771), (481, 25750), (483, 25744), (486, 25732), (500, 25693),

Gene: Jaan_37 Start: 28459, Stop: 27326, Start Num: 53

Candidate Starts for Jaan_37:

(Start: 53 @28459 has 6 MA's), (Start: 110 @28324 has 6 MA's), (122, 28279), (124, 28273), (135, 28234), (178, 28123), (184, 28096), (218, 28060), (237, 28018), (242, 28006), (243, 28003), (285, 27901), (330, 27772), (336, 27760), (375, 27685), (378, 27679), (385, 27658), (390, 27643), (398, 27625), (422, 27574), (461, 27487), (474, 27439), (481, 27409), (483, 27403), (486, 27391), (500, 27352),

Gene: Jamun_33 Start: 24299, Stop: 23115, Start Num: 56

Candidate Starts for Jamun_33:

(Start: 56 @24299 has 82 MA's), (137, 24080), (141, 24071), (186, 23945), (219, 23855), (383, 23447), (387, 23435), (394, 23417), (462, 23273), (465, 23264),

Gene: JenCasNa_36 Start: 26750, Stop: 25644, Start Num: 81

Candidate Starts for JenCasNa_36:

(Start: 61 @26789 has 119 MA's), (Start: 81 @26750 has 10 MA's), (99, 26702), (Start: 110 @26666 has 6 MA's), (122, 26621), (178, 26465), (184, 26438), (218, 26402), (243, 26345), (276, 26267), (285, 26243), (302, 26204), (324, 26132), (327, 26120), (330, 26114), (336, 26102), (375, 26027), (378, 26021), (385, 26000), (390, 25985), (398, 25967), (409, 25943), (461, 25829), (473, 25784), (474, 25781), (477, 25772), (481, 25751), (483, 25745), (486, 25733), (500, 25694),

Gene: JeppNRM_36 Start: 26642, Stop: 25497, Start Num: 61

Candidate Starts for JeppNRM_36:

(Start: 23 @26705 has 2 MA's), (Start: 61 @26642 has 119 MA's), (Start: 87 @26588 has 14 MA's), (Start: 110 @26519 has 6 MA's), (181, 26300), (184, 26291), (218, 26255), (243, 26198), (276, 26120),

(285, 26096), (292, 26087), (324, 25985), (330, 25967), (336, 25955), (375, 25880), (378, 25874), (385, 25853), (390, 25838), (398, 25820), (409, 25796), (473, 25637), (474, 25634), (481, 25604), (483, 25598), (486, 25586), (500, 25547),

Gene: Jerm_35 Start: 26752, Stop: 25625, Start Num: 50

Candidate Starts for Jerm_35:

(Start: 38 @26770 has 7 MA's), (Start: 50 @26752 has 5 MA's), (Start: 92 @26668 has 8 MA's), (Start: 110 @26620 has 6 MA's), (122, 26575), (184, 26392), (218, 26356), (243, 26299), (247, 26287), (292, 26188), (296, 26176), (302, 26158), (330, 26068), (375, 25981), (378, 25975), (385, 25954), (390, 25939), (398, 25921), (410, 25894), (461, 25783), (474, 25735), (475, 25732), (481, 25705), (483, 25699), (486, 25687), (500, 25648),

Gene: Jerole_37 Start: 24138, Stop: 22951, Start Num: 56

Candidate Starts for Jerole_37:

(18, 24228), (Start: 56 @24138 has 82 MA's), (186, 23784), (213, 23709), (387, 23274), (454, 23139),

Gene: Jobu08_35 Start: 26620, Stop: 25475, Start Num: 61

Candidate Starts for Jobu08_35:

(Start: 61 @26620 has 119 MA's), (Start: 81 @26581 has 10 MA's), (99, 26533), (Start: 110 @26497 has 6 MA's), (122, 26452), (178, 26296), (184, 26269), (218, 26233), (243, 26176), (276, 26098), (285, 26074), (302, 26035), (324, 25963), (327, 25951), (330, 25945), (336, 25933), (375, 25858), (378, 25852), (385, 25831), (390, 25816), (398, 25798), (461, 25660), (473, 25615), (474, 25612), (477, 25603), (481, 25582), (483, 25576), (486, 25564), (500, 25525),

Gene: JoshKayV_35 Start: 26714, Stop: 25599, Start Num: 64

Candidate Starts for JoshKayV_35:

(Start: 64 @26714 has 8 MA's), (Start: 110 @26594 has 6 MA's), (122, 26549), (178, 26393), (184, 26366), (218, 26330), (243, 26273), (247, 26261), (276, 26195), (302, 26132), (330, 26042), (375, 25955), (378, 25949), (385, 25928), (390, 25913), (398, 25895), (422, 25844), (461, 25757), (474, 25709), (481, 25679), (483, 25673), (486, 25661), (500, 25622),

Gene: Journey13_31 Start: 25582, Stop: 24464, Start Num: 61

Candidate Starts for Journey13_31:

(12, 25732), (25, 25642), (Start: 61 @25582 has 119 MA's), (Start: 87 @25528 has 14 MA's), (Start: 110 @25459 has 6 MA's), (115, 25441), (137, 25366), (140, 25360), (178, 25258), (180, 25246), (218, 25195), (243, 25138), (252, 25111), (314, 24952), (330, 24907), (336, 24895), (375, 24820), (378, 24814), (385, 24793), (390, 24778), (398, 24760), (410, 24733), (461, 24622), (474, 24574), (475, 24571), (481, 24544), (483, 24538), (486, 24526), (500, 24487),

Gene: Jsquared_34 Start: 25672, Stop: 24548, Start Num: 61

Candidate Starts for Jsquared_34:

(Start: 61 @25672 has 119 MA's), (97, 25594), (Start: 110 @25549 has 6 MA's), (122, 25504), (143, 25444), (184, 25321), (218, 25285), (242, 25231), (243, 25228), (276, 25150), (296, 25105), (297, 25102), (302, 25087), (310, 25057), (327, 25003), (330, 24997), (354, 24964), (375, 24910), (385, 24883), (390, 24868), (398, 24850), (410, 24823), (461, 24712), (474, 24664), (475, 24661), (477, 24655), (481, 24634), (483, 24628), (486, 24616), (500, 24577),

Gene: Juicebox_26 Start: 25055, Stop: 23880, Start Num: 83

Candidate Starts for Juicebox_26:

(Start: 83 @25055 has 1 MA's), (94, 25028), (126, 24917), (157, 24833), (180, 24773), (187, 24749), (233, 24671), (241, 24650), (243, 24641), (271, 24545), (282, 24518), (293, 24485), (310, 24428), (313, 24419), (316, 24410), (319, 24401), (321, 24398), (322, 24392), (326, 24380), (361, 24314), (378, 24266), (386, 24242), (404, 24200), (405, 24197), (406, 24194), (418, 24173), (448, 24125),

(459, 24092), (469, 24053), (473, 24038), (481, 24005), (506, 23921), (515, 23897),

Gene: Juno112_35 Start: 23916, Stop: 22723, Start Num: 56

Candidate Starts for Juno112_35:

(Start: 56 @23916 has 82 MA's), (213, 23487), (237, 23430), (246, 23406), (333, 23178), (387, 23052), (390, 23040), (400, 23019), (465, 22881), (486, 22800), (505, 22752),

Gene: KHumphrey_36 Start: 23915, Stop: 22722, Start Num: 56

Candidate Starts for KHumphrey_36:

(Start: 56 @23915 has 82 MA's), (213, 23486), (237, 23429), (246, 23405), (333, 23177), (387, 23051), (390, 23039), (400, 23018), (465, 22880), (486, 22799), (505, 22751),

Gene: Kachowdy_33 Start: 26270, Stop: 25230, Start Num: 99

Candidate Starts for Kachowdy_33:

(Start: 61 @26357 has 119 MA's), (99, 26270), (Start: 110 @26234 has 6 MA's), (122, 26189), (178, 26033), (180, 26021), (181, 26015), (218, 25970), (242, 25916), (243, 25913), (251, 25889), (324, 25700), (330, 25682), (336, 25670), (363, 25631), (375, 25595), (378, 25589), (385, 25568), (390, 25553), (398, 25535), (461, 25397), (474, 25349), (481, 25319), (483, 25313), (486, 25301), (500, 25262),

Gene: Kalb97_36 Start: 26642, Stop: 25497, Start Num: 61

Candidate Starts for Kalb97_36:

(Start: 23 @26705 has 2 MA's), (Start: 61 @26642 has 119 MA's), (Start: 87 @26588 has 14 MA's), (Start: 110 @26519 has 6 MA's), (181, 26300), (184, 26291), (218, 26255), (243, 26198), (276, 26120), (292, 26087), (324, 25985), (330, 25967), (336, 25955), (375, 25880), (378, 25874), (385, 25853), (390, 25838), (398, 25820), (409, 25796), (473, 25637), (474, 25634), (481, 25604), (483, 25598), (486, 25586), (500, 25547),

Gene: Kalnoky_36 Start: 26643, Stop: 25498, Start Num: 61

Candidate Starts for Kalnoky_36:

(Start: 23 @26706 has 2 MA's), (Start: 61 @26643 has 119 MA's), (Start: 87 @26589 has 14 MA's), (Start: 110 @26520 has 6 MA's), (181, 26301), (184, 26292), (218, 26256), (243, 26199), (276, 26121), (292, 26088), (324, 25986), (330, 25968), (336, 25956), (375, 25881), (378, 25875), (385, 25854), (390, 25839), (398, 25821), (409, 25797), (473, 25638), (474, 25635), (481, 25605), (483, 25599), (486, 25587), (500, 25548),

Gene: Kalpine_35 Start: 27525, Stop: 26410, Start Num: 62

Candidate Starts for Kalpine_35:

(Start: 62 @27525 has 4 MA's), (Start: 110 @27405 has 6 MA's), (122, 27360), (147, 27288), (181, 27186), (184, 27177), (218, 27141), (238, 27096), (242, 27087), (243, 27084), (292, 26973), (296, 26961), (330, 26853), (336, 26841), (368, 26784), (375, 26766), (378, 26760), (385, 26739), (390, 26724), (398, 26706), (410, 26679), (461, 26568), (474, 26520), (481, 26490), (483, 26484), (486, 26472), (500, 26433),

Gene: Kampy_33 Start: 26181, Stop: 25129, Start Num: 92

Candidate Starts for Kampy_33:

(Start: 32 @26295 has 3 MA's), (47, 26268), (Start: 61 @26250 has 119 MA's), (Start: 92 @26181 has 8 MA's), (Start: 110 @26127 has 6 MA's), (181, 25908), (184, 25899), (218, 25863), (237, 25821), (242, 25809), (243, 25806), (276, 25728), (324, 25593), (330, 25575), (375, 25488), (378, 25482), (385, 25461), (390, 25446), (398, 25428), (461, 25290), (474, 25242), (481, 25212), (483, 25206), (486, 25194), (500, 25155),

Gene: KendraB23_42 Start: 25277, Stop: 24093, Start Num: 56

Candidate Starts for KendraB23_42:

(Start: 56 @25277 has 82 MA's), (137, 25058), (145, 25040), (186, 24923), (213, 24848), (214, 24845), (348, 24518), (383, 24425), (387, 24413), (394, 24395), (454, 24278), (465, 24242),

Gene: Kepler_38 Start: 24761, Stop: 23574, Start Num: 56

Candidate Starts for Kepler_38:

(18, 24851), (Start: 56 @24761 has 82 MA's), (186, 24407), (213, 24332), (387, 23897), (454, 23762), (499, 23612),

Gene: Kerberos_37 Start: 26420, Stop: 25350, Start Num: 87

Candidate Starts for Kerberos_37:

(Start: 61 @26474 has 119 MA's), (Start: 87 @26420 has 14 MA's), (Start: 110 @26351 has 6 MA's), (178, 26150), (184, 26123), (218, 26087), (243, 26030), (252, 26003), (276, 25952), (292, 25919), (296, 25907), (302, 25889), (324, 25817), (330, 25799), (336, 25787), (363, 25748), (375, 25712), (378, 25706), (385, 25685), (390, 25670), (398, 25652), (410, 25625), (461, 25514), (474, 25466), (475, 25463), (481, 25436), (483, 25430), (486, 25418), (500, 25379),

Gene: Khuang_45 Start: 28583, Stop: 27426, Start Num: 55

Candidate Starts for Khuang_45:

(Start: 55 @28583 has 4 MA's), (76, 28532), (86, 28508), (124, 28388), (137, 28349), (145, 28331), (147, 28325), (150, 28316), (175, 28259), (209, 28160), (216, 28136), (221, 28127), (255, 28037), (257, 28031), (262, 28022), (312, 27905), (349, 27836), (376, 27767), (390, 27725), (401, 27707), (402, 27704), (415, 27680), (430, 27650), (454, 27599), (471, 27539), (472, 27536), (500, 27446),

Gene: Kimona_30 Start: 24408, Stop: 23293, Start Num: 61

Candidate Starts for Kimona_30:

(41, 24435), (47, 24426), (Start: 61 @24408 has 119 MA's), (97, 24330), (Start: 110 @24285 has 6 MA's), (181, 24066), (184, 24057), (218, 24021), (242, 23967), (243, 23964), (276, 23886), (330, 23733), (331, 23730), (375, 23646), (385, 23619), (390, 23604), (398, 23586), (410, 23559), (461, 23448), (474, 23400), (481, 23370), (483, 23364), (486, 23352), (493, 23331), (500, 23313),

Gene: Kinbote_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for Kinbote_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184, 26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: KingCyrus_36 Start: 28129, Stop: 27002, Start Num: 50

Candidate Starts for KingCyrus_36:

(Start: 38 @28147 has 7 MA's), (Start: 50 @28129 has 5 MA's), (Start: 92 @28048 has 8 MA's), (Start: 110 @28000 has 6 MA's), (122, 27955), (178, 27799), (184, 27772), (218, 27736), (243, 27679), (247, 27667), (276, 27601), (292, 27568), (296, 27556), (302, 27538), (330, 27448), (336, 27436), (375, 27361), (378, 27355), (385, 27334), (390, 27319), (398, 27301), (409, 27277), (410, 27274), (414, 27265), (461, 27163), (474, 27115), (475, 27112), (481, 27085), (483, 27079), (486, 27067), (500, 27028),

Gene: Koduck_34 Start: 25409, Stop: 24294, Start Num: 65

Candidate Starts for Koduck_34:

(Start: 65 @25409 has 8 MA's), (99, 25328), (Start: 110 @25292 has 6 MA's), (122, 25247), (152, 25160), (178, 25091), (180, 25079), (184, 25064), (190, 25049), (218, 25028), (242, 24974), (243, 24971), (324, 24758), (327, 24746), (330, 24740), (336, 24728), (354, 24707), (375, 24653), (385, 24626), (390, 24611), (398, 24593), (410, 24566), (474, 24407), (481, 24377), (483, 24371), (486, 24359), (500, 24320),

Gene: Kukla_36 Start: 28255, Stop: 27116, Start Num: 68

Candidate Starts for Kukla_36:

(Start: 68 @28255 has 3 MA's), (96, 28189), (118, 28114), (123, 28093), (140, 28048), (170, 27964), (188, 27907), (194, 27889), (228, 27853), (242, 27823), (247, 27808), (251, 27796), (258, 27775), (276, 27739), (277, 27736), (285, 27715), (303, 27673), (304, 27670), (310, 27646), (330, 27589), (387, 27481), (408, 27430), (449, 27358), (469, 27289), (471, 27280), (514, 27148), (517, 27142),

Gene: Kuleana_37 Start: 24189, Stop: 23008, Start Num: 56

Candidate Starts for Kuleana_37:

(Start: 56 @24189 has 82 MA's), (181, 23850), (387, 23325),

Gene: Kumotta_30 Start: 23663, Stop: 24967, Start Num: 27

Candidate Starts for Kumotta_30:

(Start: 27 @23663 has 2 MA's), (60, 23720), (96, 23807), (98, 23816), (106, 23837), (132, 23939), (154, 23993), (156, 23999), (173, 24044), (175, 24053), (185, 24092), (282, 24338), (388, 24611), (413, 24668), (455, 24764), (462, 24791), (475, 24839), (481, 24866), (490, 24896), (494, 24911), (497, 24923),

Gene: L5_33 Start: 25369, Stop: 24254, Start Num: 65

Candidate Starts for L5_33:

(Start: 65 @25369 has 8 MA's), (99, 25288), (Start: 110 @25252 has 6 MA's), (122, 25207), (152, 25120), (178, 25051), (180, 25039), (184, 25024), (190, 25009), (218, 24988), (242, 24934), (243, 24931), (324, 24718), (327, 24706), (330, 24700), (336, 24688), (354, 24667), (375, 24613), (385, 24586), (390, 24571), (398, 24553), (410, 24526), (474, 24367), (481, 24337), (483, 24331), (486, 24319), (500, 24280),

Gene: LBerry_36 Start: 26790, Stop: 25645, Start Num: 61

Candidate Starts for LBerry_36:

(Start: 61 @26790 has 119 MA's), (Start: 81 @26751 has 10 MA's), (99, 26703), (Start: 110 @26667 has 6 MA's), (122, 26622), (178, 26466), (184, 26439), (218, 26403), (243, 26346), (276, 26268), (285, 26244), (302, 26205), (324, 26133), (327, 26121), (330, 26115), (336, 26103), (375, 26028), (378, 26022), (385, 26001), (390, 25986), (398, 25968), (409, 25944), (461, 25830), (473, 25785), (474, 25782), (477, 25773), (481, 25752), (483, 25746), (486, 25734), (500, 25695),

Gene: LHTSCC_34 Start: 26518, Stop: 25466, Start Num: 92

Candidate Starts for LHTSCC_34:

(47, 26605), (Start: 61 @26587 has 119 MA's), (Start: 92 @26518 has 8 MA's), (Start: 110 @26464 has 6 MA's), (181, 26245), (184, 26236), (218, 26200), (237, 26158), (242, 26146), (243, 26143), (324, 25930), (330, 25912), (375, 25825), (378, 25819), (385, 25798), (390, 25783), (398, 25765), (461, 25627), (474, 25579), (481, 25549), (483, 25543), (486, 25531), (500, 25492),

Gene: Landor_35 Start: 28009, Stop: 26867, Start Num: 51

Candidate Starts for Landor_35:

(Start: 51 @28009 has 1 MA's), (Start: 110 @27874 has 6 MA's), (122, 27829), (124, 27823), (135, 27784), (166, 27700), (180, 27661), (218, 27610), (264, 27499), (292, 27442), (296, 27430), (310, 27382), (330, 27322), (331, 27319), (375, 27235), (378, 27229), (385, 27208), (390, 27193), (398, 27175), (474, 26989), (481, 26959), (483, 26953), (486, 26941), (500, 26902), (509, 26878),

Gene: Laphuphu24k_35 Start: 23900, Stop: 22707, Start Num: 56

Candidate Starts for Laphuphu24k_35:

(Start: 56 @23900 has 82 MA's), (213, 23471), (237, 23414), (246, 23390), (333, 23162), (387, 23036), (390, 23024), (400, 23003), (465, 22865), (486, 22784), (505, 22736),

Gene: Larenn_35 Start: 26836, Stop: 25694, Start Num: 38

Candidate Starts for Larenn_35:

(Start: 38 @26836 has 7 MA's), (Start: 50 @26818 has 5 MA's), (Start: 110 @26689 has 6 MA's), (122, 26644), (181, 26470), (184, 26461), (218, 26425), (243, 26368), (276, 26290), (292, 26257), (296, 26245), (302, 26227), (330, 26137), (336, 26125), (375, 26050), (378, 26044), (385, 26023), (390, 26008), (398, 25990), (410, 25963), (461, 25852), (474, 25804), (475, 25801), (481, 25774), (483, 25768), (486, 25756), (500, 25717),

Gene: LeoAvram_33 Start: 26179, Stop: 25127, Start Num: 92

Candidate Starts for LeoAvram_33:

(Start: 32 @26293 has 3 MA's), (47, 26266), (Start: 61 @26248 has 119 MA's), (Start: 92 @26179 has 8 MA's), (Start: 110 @26125 has 6 MA's), (181, 25906), (184, 25897), (218, 25861), (237, 25819), (242, 25807), (243, 25804), (276, 25726), (324, 25591), (330, 25573), (375, 25486), (378, 25480), (385, 25459), (390, 25444), (398, 25426), (461, 25288), (474, 25240), (481, 25210), (483, 25204), (486, 25192), (500, 25153),

Gene: Leogania_35 Start: 28027, Stop: 26906, Start Num: 61

Candidate Starts for Leogania_35:

(Start: 23 @28090 has 2 MA's), (Start: 61 @28027 has 119 MA's), (Start: 87 @27973 has 14 MA's), (Start: 110 @27904 has 6 MA's), (122, 27859), (218, 27640), (264, 27529), (296, 27460), (330, 27352), (331, 27349), (336, 27340), (375, 27265), (378, 27259), (385, 27238), (390, 27223), (398, 27205), (461, 27067), (474, 27019), (475, 27016), (481, 26989), (483, 26983), (486, 26971), (500, 26932),

Gene: Leona_35 Start: 23984, Stop: 22791, Start Num: 56

Candidate Starts for Leona_35:

(Start: 56 @23984 has 82 MA's), (103, 23870), (213, 23555), (333, 23246), (387, 23120), (390, 23108), (400, 23087), (505, 22820),

Gene: Leviathan_35 Start: 26826, Stop: 25681, Start Num: 38

Candidate Starts for Leviathan_35:

(Start: 38 @26826 has 7 MA's), (Start: 50 @26808 has 5 MA's), (Start: 92 @26724 has 8 MA's), (Start: 110 @26676 has 6 MA's), (122, 26631), (184, 26448), (218, 26412), (243, 26355), (247, 26343), (292, 26244), (302, 26214), (330, 26124), (336, 26112), (375, 26037), (378, 26031), (385, 26010), (390, 25995), (398, 25977), (410, 25950), (461, 25839), (474, 25791), (475, 25788), (481, 25761), (483, 25755), (486, 25743), (500, 25704),

Gene: LilHazelnut_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for LilHazelnut_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184, 26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: LilJank_9 Start: 3475, Stop: 2372, Start Num: 79

Candidate Starts for LilJank_9:

(69, 3502), (Start: 79 @3475 has 12 MA's), (84, 3463), (105, 3409), (111, 3394), (118, 3370), (125, 3343), (174, 3217), (199, 3145), (239, 3082), (244, 3070), (263, 3031), (299, 2947), (306, 2926), (315, 2890), (335, 2839), (369, 2770), (429, 2638), (444, 2578), (454, 2542), (459, 2527), (469, 2488), (479, 2446),

Gene: LilTurb_34 Start: 26659, Stop: 25508, Start Num: 38

Candidate Starts for LilTurb_34:

(Start: 38 @26659 has 7 MA's), (Start: 50 @26641 has 5 MA's), (Start: 92 @26557 has 8 MA's), (Start: 110 @26509 has 6 MA's), (122, 26464), (184, 26281), (218, 26245), (243, 26188), (247, 26176), (252, 26161), (292, 26077), (296, 26065), (302, 26047), (330, 25957), (336, 25945), (375, 25870), (378, 25864), (385, 25843), (390, 25828), (398, 25810), (410, 25783), (461, 25672), (474, 25624), (475, 25621), (481, 25594), (483, 25588), (486, 25576), (500, 25537),

Gene: Lilith_36 Start: 26744, Stop: 25638, Start Num: 81

Candidate Starts for Lilith_36:

(Start: 61 @26783 has 119 MA's), (Start: 81 @26744 has 10 MA's), (Start: 110 @26660 has 6 MA's), (122, 26615), (178, 26459), (184, 26432), (218, 26396), (243, 26339), (276, 26261), (285, 26237), (302, 26198), (324, 26126), (327, 26114), (330, 26108), (336, 26096), (375, 26021), (378, 26015), (385, 25994), (390, 25979), (398, 25961), (409, 25937), (461, 25823), (473, 25778), (474, 25775), (477, 25766), (481, 25745), (483, 25739), (486, 25727), (500, 25688),

Gene: LionsBait_35 Start: 27714, Stop: 26557, Start Num: 61

Candidate Starts for LionsBait_35:

(Start: 61 @27714 has 119 MA's), (Start: 110 @27591 has 6 MA's), (115, 27573), (122, 27546), (184, 27363), (218, 27327), (243, 27270), (276, 27192), (330, 27039), (336, 27027), (375, 26952), (378, 26946), (385, 26925), (390, 26910), (398, 26892), (407, 26871), (461, 26754), (474, 26706), (475, 26703), (481, 26676), (483, 26670), (486, 26658), (500, 26619), (512, 26589),

Gene: LittleE_82 Start: 51604, Stop: 52791, Start Num: 58

Candidate Starts for LittleE_82:

(11, 51460), (Start: 19 @51502 has 1 MA's), (Start: 20 @51517 has 10 MA's), (21, 51520), (35, 51565), (Start: 58 @51604 has 1 MA's), (194, 51985), (237, 52069), (242, 52081), (243, 52084), (297, 52213), (349, 52333), (374, 52396), (381, 52414), (391, 52438), (423, 52510), (480, 52687), (481, 52690), (483, 52696), (488, 52714), (493, 52729), (496, 52738), (497, 52741), (513, 52786),

Gene: LittleTokyo_36 Start: 23859, Stop: 22669, Start Num: 56

Candidate Starts for LittleTokyo_36:

(Start: 56 @23859 has 82 MA's), (213, 23427), (333, 23118), (387, 22992), (390, 22980), (501, 22701),

Gene: Lowa_36 Start: 26782, Stop: 25637, Start Num: 61

Candidate Starts for Lowa_36:

(Start: 61 @26782 has 119 MA's), (Start: 81 @26743 has 10 MA's), (Start: 110 @26659 has 6 MA's), (122, 26614), (178, 26458), (184, 26431), (218, 26395), (243, 26338), (276, 26260), (285, 26236), (302, 26197), (324, 26125), (327, 26113), (330, 26107), (336, 26095), (375, 26020), (378, 26014), (385, 25993), (390, 25978), (398, 25960), (409, 25936), (461, 25822), (473, 25777), (474, 25774), (477, 25765), (481, 25744), (483, 25738), (486, 25726), (500, 25687),

Gene: Lucky2013_84 Start: 50079, Stop: 51353, Start Num: 20

Candidate Starts for Lucky2013_84:

(11, 50022), (Start: 19 @50064 has 1 MA's), (Start: 20 @50079 has 10 MA's), (21, 50082), (35, 50127), (Start: 58 @50166 has 1 MA's), (194, 50547), (237, 50631), (242, 50643), (243, 50646), (297, 50775), (349, 50895), (374, 50958), (381, 50976), (391, 51000), (423, 51072), (480, 51249), (481, 51252),

(483, 51258), (488, 51276), (493, 51291), (496, 51300), (497, 51303), (513, 51348),

Gene: LugYA_38 Start: 26790, Stop: 25645, Start Num: 61

Candidate Starts for LugYA_38:

(Start: 61 @26790 has 119 MA's), (Start: 81 @26751 has 10 MA's), (99, 26703), (Start: 110 @26667 has 6 MA's), (122, 26622), (178, 26466), (184, 26439), (218, 26403), (243, 26346), (276, 26268), (285, 26244), (302, 26205), (324, 26133), (327, 26121), (330, 26115), (336, 26103), (375, 26028), (378, 26022), (385, 26001), (390, 25986), (398, 25968), (409, 25944), (461, 25830), (473, 25785), (474, 25782), (477, 25773), (481, 25752), (483, 25746), (486, 25734), (500, 25695),

Gene: Luke_29 Start: 26433, Stop: 25240, Start Num: 66

Candidate Starts for Luke_29:

(Start: 39 @26475 has 2 MA's), (Start: 66 @26433 has 21 MA's), (Start: 92 @26367 has 8 MA's), (119, 26286), (129, 26247), (133, 26232), (136, 26226), (142, 26214), (152, 26187), (163, 26154), (184, 26097), (201, 26064), (203, 26061), (216, 26013), (237, 25971), (238, 25968), (247, 25944), (252, 25929), (260, 25905), (268, 25890), (285, 25851), (292, 25839), (305, 25800), (315, 25761), (332, 25713), (334, 25710), (375, 25638), (378, 25632), (382, 25620), (383, 25617), (385, 25611), (406, 25557), (415, 25539), (417, 25536), (430, 25509), (437, 25491), (440, 25485), (442, 25482), (456, 25440), (464, 25413), (466, 25407), (479, 25350), (500, 25287), (501, 25284),

Gene: Luna22_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for Luna22_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184, 26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: Lunar_38 Start: 24679, Stop: 23492, Start Num: 56

Candidate Starts for Lunar_38:

(18, 24769), (Start: 56 @24679 has 82 MA's), (387, 23815), (454, 23680), (506, 23512),

Gene: MA5_33 Start: 25943, Stop: 24819, Start Num: 61

Candidate Starts for MA5_33:

(Start: 61 @25943 has 119 MA's), (Start: 110 @25820 has 6 MA's), (122, 25775), (147, 25703), (181, 25601), (184, 25592), (218, 25556), (243, 25499), (276, 25421), (330, 25268), (336, 25256), (368, 25199), (375, 25181), (378, 25175), (385, 25154), (390, 25139), (398, 25121), (474, 24935), (481, 24905), (483, 24899), (486, 24887), (500, 24848),

Gene: MK4_33 Start: 26050, Stop: 24926, Start Num: 61

Candidate Starts for MK4_33:

(Start: 34 @26092 has 1 MA's), (Start: 61 @26050 has 119 MA's), (Start: 110 @25927 has 6 MA's), (122, 25882), (147, 25810), (163, 25762), (181, 25708), (184, 25699), (218, 25663), (243, 25606), (330, 25375), (336, 25363), (354, 25342), (375, 25288), (378, 25282), (385, 25261), (390, 25246), (398, 25228), (410, 25201), (461, 25090), (474, 25042), (475, 25039), (481, 25012), (483, 25006), (486, 24994), (493, 24973), (500, 24955),

Gene: MadMarie_36 Start: 26792, Stop: 25647, Start Num: 61

Candidate Starts for MadMarie_36:

(Start: 61 @26792 has 119 MA's), (Start: 81 @26753 has 10 MA's), (99, 26705), (Start: 110 @26669 has 6 MA's), (122, 26624), (178, 26468), (184, 26441), (218, 26405), (243, 26348), (276, 26270), (285,

26246), (302, 26207), (324, 26135), (327, 26123), (330, 26117), (336, 26105), (375, 26030), (378, 26024), (385, 26003), (390, 25988), (398, 25970), (409, 25946), (461, 25832), (473, 25787), (474, 25784), (477, 25775), (481, 25754), (483, 25748), (486, 25736), (500, 25697),

Gene: Madeline_35 Start: 31541, Stop: 30279, Start Num: 56

Candidate Starts for Madeline_35:

(Start: 56 @31541 has 82 MA's), (114, 31385), (179, 31202), (189, 31166), (213, 31106), (216, 31094), (237, 31049), (249, 31016), (266, 30974), (314, 30860), (339, 30806), (342, 30803), (375, 30728), (382, 30710), (383, 30707), (404, 30650), (450, 30533), (454, 30521), (466, 30482), (470, 30464), (486, 30404), (491, 30389), (497, 30377), (500, 30368), (515, 30329), (522, 30299),

Gene: Mainiac_36 Start: 26783, Stop: 25638, Start Num: 61

Candidate Starts for Mainiac_36:

(Start: 61 @26783 has 119 MA's), (Start: 81 @26744 has 10 MA's), (99, 26696), (Start: 110 @26660 has 6 MA's), (122, 26615), (178, 26459), (184, 26432), (218, 26396), (243, 26339), (276, 26261), (285, 26237), (302, 26198), (324, 26126), (327, 26114), (330, 26108), (336, 26096), (375, 26021), (378, 26015), (385, 25994), (390, 25979), (398, 25961), (409, 25937), (461, 25823), (473, 25778), (474, 25775), (477, 25766), (481, 25745), (483, 25739), (486, 25727), (500, 25688),

Gene: MajorMajor_34 Start: 25599, Stop: 24475, Start Num: 61

Candidate Starts for MajorMajor_34:

(Start: 61 @25599 has 119 MA's), (97, 25521), (Start: 110 @25476 has 6 MA's), (122, 25431), (143, 25371), (184, 25248), (218, 25212), (242, 25158), (243, 25155), (296, 25032), (297, 25029), (302, 25014), (327, 24930), (330, 24924), (354, 24891), (362, 24876), (375, 24837), (385, 24810), (390, 24795), (398, 24777), (410, 24750), (461, 24639), (474, 24591), (475, 24588), (477, 24582), (481, 24561), (483, 24555), (486, 24543), (500, 24504),

Gene: Malec_36 Start: 27350, Stop: 26235, Start Num: 68

Candidate Starts for Malec_36:

(12, 27515), (44, 27389), (Start: 68 @27350 has 3 MA's), (Start: 81 @27317 has 10 MA's), (99, 27269), (Start: 110 @27233 has 6 MA's), (122, 27188), (134, 27146), (135, 27143), (178, 27032), (184, 27005), (218, 26969), (247, 26900), (264, 26858), (296, 26789), (302, 26771), (330, 26681), (375, 26594), (378, 26588), (385, 26567), (390, 26552), (398, 26534), (410, 26507), (461, 26396), (473, 26351), (474, 26348), (475, 26345), (477, 26339), (481, 26318), (483, 26312), (486, 26300), (500, 26261),

Gene: Malibo_40 Start: 32774, Stop: 31605, Start Num: 56

Candidate Starts for Malibo_40:

(Start: 56 @32774 has 82 MA's), (175, 32450), (180, 32432), (213, 32345), (216, 32333), (237, 32288), (254, 32240), (256, 32234), (264, 32219), (266, 32216), (270, 32204), (307, 32132), (337, 32051), (404, 31901), (420, 31871), (454, 31814), (458, 31802), (466, 31775), (491, 31682), (500, 31661), (515, 31622), (518, 31613),

Gene: Malinsilva_38 Start: 26743, Stop: 25637, Start Num: 81

Candidate Starts for Malinsilva_38:

(Start: 61 @26782 has 119 MA's), (Start: 81 @26743 has 10 MA's), (Start: 110 @26659 has 6 MA's), (122, 26614), (178, 26458), (184, 26431), (218, 26395), (243, 26338), (276, 26260), (285, 26236), (302, 26197), (324, 26125), (327, 26113), (330, 26107), (336, 26095), (375, 26020), (378, 26014), (385, 25993), (390, 25978), (398, 25960), (409, 25936), (461, 25822), (473, 25777), (474, 25774), (477, 25765), (481, 25744), (483, 25738), (486, 25726), (500, 25687),

Gene: Manu_36 Start: 26643, Stop: 25498, Start Num: 61

Candidate Starts for Manu_36:

(Start: 23 @26706 has 2 MA's), (Start: 61 @26643 has 119 MA's), (Start: 87 @26589 has 14 MA's), (Start: 110 @26520 has 6 MA's), (181, 26301), (184, 26292), (218, 26256), (243, 26199), (276, 26121), (292, 26088), (324, 25986), (330, 25968), (336, 25956), (375, 25881), (378, 25875), (385, 25854), (390, 25839), (398, 25821), (409, 25797), (473, 25638), (474, 25635), (481, 25605), (483, 25599), (486, 25587), (500, 25548),

Gene: Mao1_43 Start: 40085, Stop: 38883, Start Num: 57

Candidate Starts for Mao1_43:

(Start: 57 @40085 has 7 MA's), (89, 40010), (98, 39986), (100, 39980), (132, 39875), (176, 39764), (177, 39761), (203, 39698), (253, 39563), (260, 39542), (285, 39488), (311, 39413), (332, 39353), (420, 39173), (421, 39170), (430, 39149), (466, 39047), (469, 39032), (486, 38966), (495, 38942), (505, 38912),

Gene: MarQuardt_36 Start: 26791, Stop: 25646, Start Num: 61

Candidate Starts for MarQuardt_36:

(Start: 61 @26791 has 119 MA's), (Start: 81 @26752 has 10 MA's), (99, 26704), (Start: 110 @26668 has 6 MA's), (122, 26623), (178, 26467), (184, 26440), (218, 26404), (243, 26347), (276, 26269), (285, 26245), (302, 26206), (324, 26134), (327, 26122), (330, 26116), (336, 26104), (375, 26029), (378, 26023), (385, 26002), (390, 25987), (398, 25969), (409, 25945), (461, 25831), (473, 25786), (474, 25783), (477, 25774), (481, 25753), (483, 25747), (486, 25735), (500, 25696),

Gene: Marchesa_33 Start: 26268, Stop: 25228, Start Num: 99

Candidate Starts for Marchesa_33:

(Start: 61 @26355 has 119 MA's), (99, 26268), (Start: 110 @26232 has 6 MA's), (122, 26187), (143, 26127), (178, 26031), (180, 26019), (181, 26013), (218, 25968), (242, 25914), (243, 25911), (251, 25887), (324, 25698), (330, 25680), (336, 25668), (363, 25629), (375, 25593), (378, 25587), (385, 25566), (390, 25551), (398, 25533), (461, 25395), (474, 25347), (481, 25317), (483, 25311), (486, 25299), (500, 25260),

Gene: MargaretKali_30 Start: 23298, Stop: 24602, Start Num: 27

Candidate Starts for MargaretKali_30:

(Start: 27 @23298 has 2 MA's), (60, 23355), (96, 23442), (98, 23451), (106, 23472), (132, 23574), (154, 23628), (156, 23634), (173, 23679), (175, 23688), (185, 23727), (282, 23973), (388, 24246), (413, 24303), (455, 24399), (462, 24426), (475, 24474), (481, 24501), (490, 24531), (494, 24546), (497, 24558),

Gene: Marie_36 Start: 26789, Stop: 25644, Start Num: 61

Candidate Starts for Marie_36:

(Start: 61 @26789 has 119 MA's), (Start: 81 @26750 has 10 MA's), (99, 26702), (Start: 110 @26666 has 6 MA's), (122, 26621), (178, 26465), (184, 26438), (218, 26402), (243, 26345), (276, 26267), (285, 26243), (302, 26204), (324, 26132), (327, 26120), (330, 26114), (336, 26102), (375, 26027), (378, 26021), (385, 26000), (390, 25985), (398, 25967), (409, 25943), (461, 25829), (473, 25784), (474, 25781), (477, 25772), (481, 25751), (483, 25745), (486, 25733), (500, 25694),

Gene: Marius_36 Start: 26643, Stop: 25498, Start Num: 61

Candidate Starts for Marius_36:

(Start: 23 @26706 has 2 MA's), (Start: 61 @26643 has 119 MA's), (Start: 87 @26589 has 14 MA's), (Start: 110 @26520 has 6 MA's), (181, 26301), (184, 26292), (218, 26256), (243, 26199), (276, 26121), (292, 26088), (324, 25986), (330, 25968), (336, 25956), (375, 25881), (378, 25875), (385, 25854), (390, 25839), (398, 25821), (409, 25797), (473, 25638), (474, 25635), (481, 25605), (483, 25599), (486, 25587), (500, 25548),

Gene: Marleymoo_72 Start: 50924, Stop: 52153, Start Num: 26

Candidate Starts for Marleymoo_72:

(Start: 26 @50924 has 1 MA's), (35, 50942), (Start: 58 @50981 has 1 MA's), (146, 51218), (181, 51326), (237, 51446), (238, 51449), (242, 51458), (247, 51473), (297, 51590), (340, 51707), (349, 51710), (354, 51719), (373, 51770), (374, 51773), (381, 51791), (423, 51887), (480, 52064), (481, 52067), (488, 52091), (496, 52115), (497, 52118),

Gene: Mask_46 Start: 43255, Stop: 42053, Start Num: 57

Candidate Starts for Mask_46:

(Start: 57 @43255 has 7 MA's), (89, 43180), (98, 43156), (100, 43150), (132, 43045), (176, 42934), (177, 42931), (203, 42868), (253, 42733), (260, 42712), (285, 42658), (330, 42529), (332, 42523), (417, 42346), (420, 42343), (421, 42340), (430, 42319), (445, 42283), (466, 42217), (469, 42202), (486, 42136), (495, 42112), (505, 42082),

Gene: Maxo_33 Start: 26250, Stop: 25129, Start Num: 61

Candidate Starts for Maxo_33:

(Start: 32 @26295 has 3 MA's), (47, 26268), (Start: 61 @26250 has 119 MA's), (Start: 92 @26181 has 8 MA's), (Start: 110 @26127 has 6 MA's), (181, 25908), (184, 25899), (218, 25863), (237, 25821), (242, 25809), (243, 25806), (276, 25728), (324, 25593), (330, 25575), (375, 25488), (378, 25482), (385, 25461), (390, 25446), (398, 25428), (461, 25290), (474, 25242), (481, 25212), (483, 25206), (486, 25194), (500, 25155),

Gene: Mbo4_31 Start: 29712, Stop: 28447, Start Num: 56

Candidate Starts for Mbo4_31:

(Start: 56 @29712 has 82 MA's), (Start: 63 @29697 has 2 MA's), (78, 29658), (103, 29595), (119, 29538), (122, 29523), (148, 29448), (151, 29439), (161, 29412), (184, 29346), (199, 29310), (204, 29301), (213, 29265), (214, 29262), (216, 29253), (221, 29244), (228, 29226), (230, 29223), (237, 29208), (259, 29142), (261, 29127), (262, 29121), (276, 29076), (286, 29052), (290, 29043), (298, 29022), (303, 29007), (306, 28998), (311, 28974), (314, 28965), (317, 28956), (349, 28893), (357, 28875), (358, 28872), (375, 28830), (378, 28824), (383, 28809), (385, 28803), (394, 28779), (402, 28758), (427, 28707), (433, 28692), (451, 28674), (462, 28638), (466, 28626), (469, 28611), (481, 28563), (483, 28557), (486, 28545), (491, 28530), (497, 28518), (506, 28494), (507, 28488),

Gene: Medusa_33 Start: 26128, Stop: 25130, Start Num: 110

Candidate Starts for Medusa_33:

(Start: 32 @26296 has 3 MA's), (47, 26269), (Start: 61 @26251 has 119 MA's), (Start: 92 @26182 has 8 MA's), (Start: 110 @26128 has 6 MA's), (181, 25909), (184, 25900), (218, 25864), (237, 25822), (242, 25810), (243, 25807), (276, 25729), (324, 25594), (330, 25576), (375, 25489), (385, 25462), (390, 25447), (398, 25429), (461, 25291), (474, 25243), (481, 25213), (483, 25207), (486, 25195), (500, 25156),

Gene: Melons_38 Start: 24495, Stop: 23308, Start Num: 56

Candidate Starts for Melons_38:

(18, 24585), (Start: 56 @24495 has 82 MA's), (186, 24141), (209, 24078), (213, 24066), (387, 23631), (454, 23496), (458, 23484), (506, 23328),

Gene: Melvin_33 Start: 26249, Stop: 25128, Start Num: 61

Candidate Starts for Melvin_33:

(Start: 32 @26294 has 3 MA's), (47, 26267), (Start: 61 @26249 has 119 MA's), (Start: 92 @26180 has 8 MA's), (Start: 110 @26126 has 6 MA's), (181, 25907), (184, 25898), (218, 25862), (237, 25820), (242, 25808), (243, 25805), (276, 25727), (324, 25592), (330, 25574), (375, 25487), (385, 25460), (390, 25445), (398, 25427), (461, 25289), (474, 25241), (481, 25211), (483, 25205), (486, 25193), (500, 25154),

Gene: Merpity_34 Start: 25482, Stop: 24364, Start Num: 55

Candidate Starts for Merpity_34:

(15, 25599), (Start: 55 @25482 has 4 MA's), (128, 25287), (137, 25260), (186, 25131), (212, 25065), (215, 25053), (216, 25050), (226, 25029), (262, 24945), (301, 24879), (310, 24846), (314, 24831), (317, 24822), (350, 24765), (359, 24744), (376, 24696), (378, 24693), (382, 24681), (385, 24672), (390, 24654), (392, 24651), (397, 24645), (402, 24633), (454, 24546), (481, 24447), (500, 24393),

Gene: MiaZeal_87 Start: 50735, Stop: 52009, Start Num: 20

Candidate Starts for MiaZeal_87:

(11, 50678), (Start: 19 @50720 has 1 MA's), (Start: 20 @50735 has 10 MA's), (21, 50738), (35, 50783), (Start: 58 @50822 has 1 MA's), (194, 51203), (237, 51287), (242, 51299), (243, 51302), (297, 51431), (349, 51551), (374, 51614), (381, 51632), (391, 51656), (423, 51728), (480, 51905), (481, 51908), (483, 51914), (488, 51932), (493, 51947), (496, 51956), (497, 51959), (513, 52004),

Gene: Microwolf_36 Start: 26752, Stop: 25646, Start Num: 81

Candidate Starts for Microwolf_36:

(Start: 61 @26791 has 119 MA's), (Start: 81 @26752 has 10 MA's), (Start: 110 @26668 has 6 MA's), (122, 26623), (178, 26467), (184, 26440), (218, 26404), (243, 26347), (276, 26269), (285, 26245), (302, 26206), (324, 26134), (327, 26122), (330, 26116), (336, 26104), (375, 26029), (378, 26023), (385, 26002), (390, 25987), (398, 25969), (409, 25945), (461, 25831), (473, 25786), (474, 25783), (477, 25774), (481, 25753), (483, 25747), (486, 25735), (500, 25696),

Gene: MiculUcigas_34 Start: 26502, Stop: 25381, Start Num: 61

Candidate Starts for MiculUcigas_34:

(Start: 23 @26565 has 2 MA's), (Start: 61 @26502 has 119 MA's), (Start: 87 @26448 has 14 MA's), (Start: 110 @26379 has 6 MA's), (122, 26334), (165, 26208), (184, 26151), (218, 26115), (242, 26061), (243, 26058), (296, 25935), (302, 25917), (330, 25827), (336, 25815), (375, 25740), (378, 25734), (385, 25713), (390, 25698), (398, 25680), (410, 25653), (474, 25494), (481, 25464), (483, 25458), (486, 25446), (500, 25407),

Gene: MissWhite_33 Start: 25561, Stop: 24443, Start Num: 61

Candidate Starts for MissWhite_33:

(Start: 61 @25561 has 119 MA's), (Start: 79 @25525 has 12 MA's), (Start: 87 @25507 has 14 MA's), (Start: 110 @25438 has 6 MA's), (115, 25420), (137, 25345), (140, 25339), (178, 25237), (180, 25225), (184, 25210), (218, 25174), (242, 25120), (330, 24886), (336, 24874), (375, 24799), (378, 24793), (385, 24772), (390, 24757), (398, 24739), (410, 24712), (474, 24553), (475, 24550), (481, 24523), (483, 24517), (486, 24505), (500, 24466), (505, 24454),

Gene: ModicumRichard_35 Start: 30420, Stop: 29293, Start Num: 56

Candidate Starts for ModicumRichard_35:

(2, 30900), (Start: 56 @30420 has 82 MA's), (78, 30366), (116, 30261), (179, 30090), (210, 30000), (222, 29964), (270, 29850), (299, 29811), (307, 29787), (349, 29691), (402, 29559), (424, 29514), (462, 29442), (500, 29316),

Gene: MoneyMay_36 Start: 26789, Stop: 25644, Start Num: 61

Candidate Starts for MoneyMay_36:

(Start: 61 @26789 has 119 MA's), (Start: 81 @26750 has 10 MA's), (99, 26702), (Start: 110 @26666 has 6 MA's), (122, 26621), (178, 26465), (184, 26438), (218, 26402), (243, 26345), (276, 26267), (285, 26243), (302, 26204), (324, 26132), (327, 26120), (330, 26114), (336, 26102), (375, 26027), (378, 26021), (385, 26000), (390, 25985), (398, 25967), (409, 25943), (461, 25829), (473, 25784), (474, 25781), (477, 25772), (481, 25751), (483, 25745), (486, 25733), (500, 25694),

Gene: Montavir_35 Start: 26751, Stop: 25645, Start Num: 81

Candidate Starts for Montavir_35:

(Start: 61 @26790 has 119 MA's), (Start: 81 @26751 has 10 MA's), (99, 26703), (Start: 110 @26667 has 6 MA's), (122, 26622), (178, 26466), (184, 26439), (218, 26403), (243, 26346), (276, 26268), (285, 26244), (302, 26205), (324, 26133), (327, 26121), (330, 26115), (336, 26103), (375, 26028), (378, 26022), (385, 26001), (390, 25986), (398, 25968), (409, 25944), (461, 25830), (473, 25785), (474, 25782), (477, 25773), (481, 25752), (483, 25746), (486, 25734), (500, 25695),

Gene: Morgana_35 Start: 30175, Stop: 29048, Start Num: 56

Candidate Starts for Morgana_35:

(2, 30832), (3, 30778), (Start: 56 @30175 has 82 MA's), (78, 30121), (179, 29845), (210, 29755), (222, 29719), (270, 29605), (299, 29566), (307, 29542), (349, 29446), (402, 29314), (424, 29269), (462, 29197), (500, 29071),

Gene: Morrow_33 Start: 26255, Stop: 25116, Start Num: 61

Candidate Starts for Morrow_33:

(Start: 32 @26300 has 3 MA's), (47, 26273), (Start: 61 @26255 has 119 MA's), (Start: 92 @26186 has 8 MA's), (Start: 110 @26132 has 6 MA's), (181, 25913), (184, 25904), (218, 25868), (237, 25826), (242, 25814), (243, 25811), (276, 25733), (324, 25598), (330, 25580), (375, 25493), (378, 25487), (385, 25466), (390, 25451), (398, 25433), (461, 25295), (474, 25247), (481, 25217), (483, 25211), (486, 25199), (500, 25160), (508, 25136), (510, 25130),

Gene: MrSmee_34 Start: 25508, Stop: 24390, Start Num: 55

Candidate Starts for MrSmee_34:

(Start: 55 @25508 has 4 MA's), (128, 25313), (139, 25283), (141, 25277), (156, 25247), (169, 25211), (180, 25178), (181, 25172), (186, 25157), (190, 25148), (212, 25091), (215, 25079), (216, 25076), (221, 25067), (226, 25055), (230, 25046), (252, 24986), (262, 24971), (301, 24905), (306, 24890), (310, 24872), (317, 24848), (318, 24845), (349, 24794), (359, 24770), (376, 24722), (382, 24707), (388, 24686), (390, 24680), (402, 24659), (500, 24419),

Gene: MuchMore_38 Start: 26782, Stop: 25637, Start Num: 61

Candidate Starts for MuchMore_38:

(Start: 61 @26782 has 119 MA's), (Start: 81 @26743 has 10 MA's), (99, 26695), (Start: 110 @26659 has 6 MA's), (122, 26614), (178, 26458), (184, 26431), (218, 26395), (243, 26338), (276, 26260), (285, 26236), (302, 26197), (324, 26125), (327, 26113), (330, 26107), (336, 26095), (375, 26020), (378, 26014), (385, 25993), (390, 25978), (398, 25960), (409, 25936), (461, 25822), (473, 25777), (474, 25774), (477, 25765), (481, 25744), (483, 25738), (486, 25726), (500, 25687),

Gene: Mulch_39 Start: 31322, Stop: 30051, Start Num: 56

Candidate Starts for Mulch_39:

(Start: 56 @31322 has 82 MA's), (Start: 63 @31307 has 2 MA's), (103, 31205), (116, 31163), (120, 31151), (145, 31076), (171, 31001), (175, 30992), (180, 30974), (216, 30875), (219, 30872), (254, 30782), (306, 30677), (335, 30581), (339, 30575), (404, 30413), (458, 30272), (470, 30227), (484, 30176), (486, 30167), (491, 30152), (497, 30140), (501, 30128), (519, 30089),

Gene: NaSiaTalie_34 Start: 26377, Stop: 25379, Start Num: 110

Candidate Starts for NaSiaTalie_34:

(Start: 23 @26563 has 2 MA's), (Start: 61 @26500 has 119 MA's), (Start: 87 @26446 has 14 MA's), (Start: 110 @26377 has 6 MA's), (122, 26332), (165, 26206), (184, 26149), (218, 26113), (242, 26059), (243, 26056), (296, 25933), (302, 25915), (330, 25825), (336, 25813), (375, 25738), (378, 25732), (385, 25711), (390, 25696), (398, 25678), (410, 25651), (474, 25492), (481, 25462), (483, 25456), (486, 25444), (500, 25405),

Gene: Nadeem_39 Start: 31322, Stop: 30051, Start Num: 56

Candidate Starts for Nadeem_39:

(Start: 56 @31322 has 82 MA's), (Start: 63 @31307 has 2 MA's), (103, 31205), (116, 31163), (120, 31151), (145, 31076), (171, 31001), (175, 30992), (180, 30974), (216, 30875), (219, 30872), (254, 30782), (306, 30677), (335, 30581), (339, 30575), (404, 30413), (458, 30272), (470, 30227), (484, 30176), (486, 30167), (491, 30152), (497, 30140), (501, 30128), (519, 30089),

Gene: Naji_37 Start: 26474, Stop: 25350, Start Num: 61

Candidate Starts for Naji_37:

(Start: 61 @26474 has 119 MA's), (Start: 87 @26420 has 14 MA's), (Start: 110 @26351 has 6 MA's), (178, 26150), (179, 26147), (184, 26123), (218, 26087), (243, 26030), (252, 26003), (276, 25952), (292, 25919), (296, 25907), (302, 25889), (324, 25817), (330, 25799), (336, 25787), (375, 25712), (378, 25706), (385, 25685), (390, 25670), (398, 25652), (410, 25625), (461, 25514), (474, 25466), (475, 25463), (481, 25436), (483, 25430), (486, 25418), (500, 25379),

Gene: NancyRae_39 Start: 31331, Stop: 30060, Start Num: 56

Candidate Starts for NancyRae_39:

(Start: 56 @31331 has 82 MA's), (Start: 63 @31316 has 2 MA's), (103, 31214), (116, 31172), (120, 31160), (145, 31085), (171, 31010), (175, 31001), (180, 30983), (216, 30884), (219, 30881), (254, 30791), (306, 30686), (339, 30584), (349, 30566), (404, 30422), (458, 30281), (470, 30236), (484, 30185), (486, 30176), (497, 30149), (501, 30137), (519, 30098),

Gene: Nebkiss_56 Start: 37263, Stop: 38534, Start Num: 20

Candidate Starts for Nebkiss_56:

(Start: 20 @37263 has 10 MA's), (35, 37311), (Start: 58 @37350 has 1 MA's), (159, 37629), (202, 37746), (237, 37815), (238, 37818), (242, 37827), (252, 37857), (282, 37923), (297, 37959), (306, 37986), (307, 37989), (310, 38004), (311, 38010), (323, 38043), (330, 38058), (331, 38061), (332, 38064), (340, 38076), (349, 38094), (354, 38103), (369, 38145), (371, 38151), (373, 38154), (391, 38199), (423, 38271), (450, 38337), (459, 38364), (480, 38448), (481, 38451), (489, 38478), (496, 38499),

Gene: Nebs_33 Start: 26248, Stop: 25127, Start Num: 61

Candidate Starts for Nebs_33:

(Start: 32 @26293 has 3 MA's), (47, 26266), (Start: 61 @26248 has 119 MA's), (Start: 92 @26179 has 8 MA's), (Start: 110 @26125 has 6 MA's), (181, 25906), (184, 25897), (218, 25861), (237, 25819), (242, 25807), (243, 25804), (276, 25726), (324, 25591), (330, 25573), (375, 25486), (378, 25480), (385, 25459), (390, 25444), (398, 25426), (461, 25288), (474, 25240), (481, 25210), (483, 25204), (486, 25192), (500, 25153),

Gene: Nekros_81 Start: 51195, Stop: 52469, Start Num: 20

Candidate Starts for Nekros_81:

(11, 51138), (Start: 19 @51180 has 1 MA's), (Start: 20 @51195 has 10 MA's), (21, 51198), (35, 51243), (Start: 58 @51282 has 1 MA's), (194, 51663), (237, 51747), (242, 51759), (243, 51762), (297, 51891), (349, 52011), (374, 52074), (381, 52092), (391, 52116), (423, 52188), (480, 52365), (481, 52368), (483, 52374), (488, 52392), (493, 52407), (496, 52416), (497, 52419), (513, 52464),

Gene: Neville_8 Start: 3425, Stop: 2322, Start Num: 79

Candidate Starts for Neville_8:

(69, 3452), (Start: 79 @3425 has 12 MA's), (84, 3413), (105, 3359), (111, 3344), (118, 3320), (125, 3293), (174, 3167), (199, 3095), (239, 3032), (244, 3020), (263, 2981), (299, 2897), (306, 2876), (335, 2789), (369, 2720), (374, 2708), (416, 2612), (429, 2588), (444, 2528), (454, 2492), (459, 2477), (469, 2438), (479, 2396),

Gene: Nibley_75 Start: 48028, Stop: 49317, Start Num: 19

Candidate Starts for Nibley_75:

(11, 47986), (Start: 19 @48028 has 1 MA's), (Start: 20 @48043 has 10 MA's), (21, 48046), (35, 48091), (Start: 58 @48130 has 1 MA's), (194, 48511), (237, 48595), (242, 48607), (243, 48610), (297, 48739), (349, 48859), (374, 48922), (381, 48940), (391, 48964), (423, 49036), (480, 49213), (481, 49216), (483, 49222), (488, 49240), (493, 49255), (496, 49264), (497, 49267), (513, 49312),

Gene: NicoleTera_37 Start: 27751, Stop: 26633, Start Num: 61

Candidate Starts for NicoleTera_37:

(Start: 61 @27751 has 119 MA's), (Start: 87 @27697 has 14 MA's), (Start: 110 @27628 has 6 MA's), (178, 27427), (184, 27400), (218, 27364), (237, 27322), (243, 27307), (276, 27229), (296, 27184), (330, 27076), (336, 27064), (363, 27025), (375, 26989), (378, 26983), (385, 26962), (390, 26947), (398, 26929), (410, 26902), (461, 26791), (474, 26743), (475, 26740), (481, 26713), (483, 26707), (486, 26695), (500, 26656),

Gene: NothingSpecial_35 Start: 27853, Stop: 26801, Start Num: 92

Candidate Starts for NothingSpecial_35:

(47, 27940), (Start: 61 @27922 has 119 MA's), (Start: 92 @27853 has 8 MA's), (97, 27844), (Start: 110 @27799 has 6 MA's), (115, 27781), (122, 27754), (162, 27637), (178, 27598), (181, 27580), (184, 27571), (218, 27535), (237, 27493), (241, 27484), (243, 27478), (276, 27400), (296, 27355), (330, 27247), (336, 27235), (375, 27160), (378, 27154), (385, 27133), (390, 27118), (398, 27100), (461, 26962), (474, 26914), (481, 26884), (483, 26878), (486, 26866), (500, 26827),

Gene: OBUpride_29 Start: 26514, Stop: 25279, Start Num: 39

Candidate Starts for OBUpride_29:

(Start: 39 @26514 has 2 MA's), (Start: 66 @26472 has 21 MA's), (Start: 92 @26406 has 8 MA's), (119, 26325), (129, 26286), (133, 26271), (136, 26265), (142, 26253), (152, 26226), (163, 26193), (184, 26136), (201, 26103), (203, 26100), (216, 26052), (237, 26010), (238, 26007), (247, 25983), (252, 25968), (260, 25944), (268, 25929), (285, 25890), (292, 25878), (305, 25839), (315, 25800), (332, 25752), (334, 25749), (375, 25677), (378, 25671), (382, 25659), (383, 25656), (385, 25650), (406, 25596), (415, 25578), (417, 25575), (430, 25548), (437, 25530), (440, 25524), (442, 25521), (456, 25479), (464, 25452), (466, 25446), (479, 25389), (500, 25326), (501, 25323),

Gene: ObLaDi_35 Start: 30398, Stop: 29271, Start Num: 56

Candidate Starts for ObLaDi_35:

(Start: 56 @30398 has 82 MA's), (78, 30344), (116, 30239), (179, 30068), (210, 29978), (222, 29942), (299, 29789), (307, 29765), (349, 29669), (402, 29537), (424, 29492), (462, 29420), (500, 29294),

Gene: Obama12_34 Start: 26520, Stop: 25468, Start Num: 92

Candidate Starts for Obama12_34:

(Start: 32 @26634 has 3 MA's), (47, 26607), (Start: 61 @26589 has 119 MA's), (Start: 92 @26520 has 8 MA's), (Start: 110 @26466 has 6 MA's), (181, 26247), (184, 26238), (218, 26202), (237, 26160), (242, 26148), (243, 26145), (324, 25932), (330, 25914), (375, 25827), (378, 25821), (385, 25800), (390, 25785), (398, 25767), (461, 25629), (474, 25581), (481, 25551), (483, 25545), (486, 25533), (500, 25494),

Gene: Octobien14_6 Start: 2858, Stop: 1764, Start Num: 108

Candidate Starts for Octobien14_6:

(44, 3011), (Start: 108 @2858 has 1 MA's), (198, 2582), (229, 2495), (303, 2282), (309, 2264), (320, 2225), (366, 2141), (378, 2105), (385, 2084), (387, 2078), (421, 2003), (452, 1952), (470, 1883), (473, 1874), (480, 1844), (481, 1841),

Gene: Odin_33 Start: 25191, Stop: 24076, Start Num: 65

Candidate Starts for Odin_33:

(Start: 65 @25191 has 8 MA's), (Start: 87 @25143 has 14 MA's), (99, 25110), (Start: 110 @25074 has 6 MA's), (122, 25029), (180, 24861), (184, 24846), (218, 24810), (237, 24768), (242, 24756), (243, 24753), (292, 24642), (330, 24522), (336, 24510), (354, 24489), (375, 24435), (385, 24408), (390, 24393), (398, 24375), (410, 24348), (474, 24189), (481, 24159), (483, 24153), (486, 24141), (500, 24102), (503, 24093),

Gene: Ohfah_33 Start: 26248, Stop: 25127, Start Num: 61

Candidate Starts for Ohfah_33:

(Start: 32 @26293 has 3 MA's), (47, 26266), (Start: 61 @26248 has 119 MA's), (Start: 92 @26179 has 8 MA's), (Start: 110 @26125 has 6 MA's), (181, 25906), (184, 25897), (218, 25861), (237, 25819), (242, 25807), (243, 25804), (276, 25726), (324, 25591), (330, 25573), (375, 25486), (378, 25480), (385, 25459), (390, 25444), (398, 25426), (461, 25288), (474, 25240), (481, 25210), (483, 25204), (486, 25192), (500, 25153),

Gene: Ohgeesy_38 Start: 32336, Stop: 31074, Start Num: 56

Candidate Starts for Ohgeesy_38:

(Start: 56 @32336 has 82 MA's), (114, 32180), (179, 31997), (189, 31961), (213, 31901), (216, 31889), (237, 31844), (249, 31811), (266, 31769), (339, 31601), (342, 31598), (375, 31523), (382, 31505), (383, 31502), (404, 31445), (450, 31328), (454, 31316), (470, 31259), (486, 31199), (491, 31184), (497, 31172), (500, 31163), (515, 31124),

Gene: OlanP_35 Start: 26824, Stop: 25679, Start Num: 61

Candidate Starts for OlanP_35:

(Start: 23 @26887 has 2 MA's), (Start: 61 @26824 has 119 MA's), (Start: 87 @26770 has 14 MA's), (Start: 110 @26701 has 6 MA's), (151, 26572), (163, 26536), (181, 26482), (184, 26473), (218, 26437), (243, 26380), (276, 26302), (292, 26269), (324, 26167), (330, 26149), (336, 26137), (375, 26062), (378, 26056), (385, 26035), (390, 26020), (398, 26002), (422, 25951), (473, 25819), (474, 25816), (481, 25786), (483, 25780), (486, 25768), (500, 25729),

Gene: Ollie_36 Start: 26621, Stop: 25515, Start Num: 81

Candidate Starts for Ollie_36:

(Start: 61 @26660 has 119 MA's), (Start: 81 @26621 has 10 MA's), (Start: 110 @26537 has 6 MA's), (122, 26492), (178, 26336), (184, 26309), (218, 26273), (243, 26216), (276, 26138), (285, 26114), (302, 26075), (324, 26003), (327, 25991), (330, 25985), (336, 25973), (375, 25898), (378, 25892), (385, 25871), (390, 25856), (398, 25838), (461, 25700), (473, 25655), (474, 25652), (477, 25643), (481, 25622), (483, 25616), (486, 25604), (500, 25565),

Gene: Omega_85 Start: 53296, Stop: 54570, Start Num: 20

Candidate Starts for Omega_85:

(11, 53239), (Start: 19 @53281 has 1 MA's), (Start: 20 @53296 has 10 MA's), (21, 53299), (35, 53344), (Start: 58 @53383 has 1 MA's), (194, 53764), (237, 53848), (242, 53860), (243, 53863), (297, 53992), (349, 54112), (374, 54175), (381, 54193), (391, 54217), (423, 54289), (480, 54466), (481, 54469), (483, 54475), (488, 54493), (493, 54508), (496, 54517), (497, 54520), (513, 54565),

Gene: OnionKnight_30 Start: 24231, Stop: 22948, Start Num: 30

Candidate Starts for OnionKnight_30:

(Start: 30 @24231 has 2 MA's), (67, 24165), (122, 24003), (158, 23898), (200, 23781), (222, 23754), (233, 23733), (240, 23718), (298, 23586), (310, 23544), (332, 23478), (338, 23469), (365, 23418), (370, 23400), (382, 23370), (385, 23361), (396, 23331), (419, 23286), (446, 23193), (456, 23151), (461, 23133), (466, 23118), (473, 23088), (477, 23076), (482, 23052), (492, 23019), (496, 23007), (499, 22998), (500, 22995), (516, 22953),

Gene: Oppalora_35 Start: 23914, Stop: 22721, Start Num: 56

Candidate Starts for Oppalora_35:

(Start: 56 @23914 has 82 MA's), (213, 23485), (237, 23428), (246, 23404), (333, 23176), (387, 23050), (390, 23038), (400, 23017), (465, 22879), (486, 22798), (505, 22750),

Gene: Orcanus_34 Start: 24639, Stop: 23455, Start Num: 56

Candidate Starts for Orcanus_34:

(Start: 56 @24639 has 82 MA's), (137, 24420), (145, 24402), (186, 24285), (213, 24210), (216, 24198), (348, 23880), (383, 23787), (387, 23775), (394, 23757), (454, 23640), (465, 23604),

Gene: OtsoOtso_37 Start: 23869, Stop: 22682, Start Num: 56

Candidate Starts for OtsoOtso_37:

(18, 23959), (Start: 56 @23869 has 82 MA's), (213, 23440), (387, 23005), (454, 22870),

Gene: P28Green_36 Start: 26792, Stop: 25647, Start Num: 61

Candidate Starts for P28Green_36:

(Start: 61 @26792 has 119 MA's), (Start: 81 @26753 has 10 MA's), (99, 26705), (Start: 110 @26669 has 6 MA's), (122, 26624), (178, 26468), (184, 26441), (218, 26405), (243, 26348), (276, 26270), (285, 26246), (302, 26207), (324, 26135), (327, 26123), (330, 26117), (336, 26105), (375, 26030), (378, 26024), (385, 26003), (390, 25988), (398, 25970), (409, 25946), (461, 25832), (473, 25787), (474, 25784), (477, 25775), (481, 25754), (483, 25748), (486, 25736), (500, 25697),

Gene: PFR1_26 Start: 22175, Stop: 21039, Start Num: 78

Candidate Starts for PFR1_26:

(40, 22253), (78, 22175), (82, 22166), (124, 22031), (126, 22025), (132, 21998), (139, 21986), (140, 21983), (147, 21965), (168, 21902), (195, 21818), (217, 21797), (245, 21728), (279, 21638), (288, 21614), (306, 21566), (323, 21509), (332, 21482), (349, 21464), (362, 21437), (375, 21398), (393, 21350), (441, 21263), (449, 21251), (455, 21233), (467, 21191), (469, 21179), (472, 21167), (476, 21155), (478, 21140),

Gene: PFR2_28 Start: 23744, Stop: 22608, Start Num: 78

Candidate Starts for PFR2_28:

(40, 23822), (78, 23744), (82, 23735), (124, 23600), (126, 23594), (132, 23567), (139, 23555), (140, 23552), (147, 23534), (168, 23471), (195, 23387), (217, 23366), (245, 23297), (279, 23207), (288, 23183), (306, 23135), (323, 23078), (332, 23051), (349, 23033), (362, 23006), (375, 22967), (393, 22919), (441, 22832), (449, 22820), (455, 22802), (467, 22760), (469, 22748), (472, 22736), (476, 22724), (478, 22709),

Gene: PGHhamlin_38 Start: 26782, Stop: 25637, Start Num: 61

Candidate Starts for PGHhamlin_38:

(Start: 61 @26782 has 119 MA's), (Start: 81 @26743 has 10 MA's), (Start: 110 @26659 has 6 MA's), (122, 26614), (178, 26458), (184, 26431), (218, 26395), (243, 26338), (276, 26260), (285, 26236), (302, 26197), (324, 26125), (327, 26113), (330, 26107), (336, 26095), (375, 26020), (378, 26014), (385, 25993), (390, 25978), (398, 25960), (409, 25936), (461, 25822), (473, 25777), (474, 25774), (477, 25765), (481, 25744), (483, 25738), (486, 25726), (500, 25687),

Gene: PantheRoc_37 Start: 30354, Stop: 29092, Start Num: 56

Candidate Starts for PantheRoc_37:

(Start: 56 @30354 has 82 MA's), (114, 30198), (179, 30015), (189, 29979), (213, 29919), (216, 29907), (237, 29862), (249, 29829), (266, 29787), (339, 29619), (342, 29616), (375, 29541), (382, 29523), (383, 29520), (404, 29463), (450, 29346), (454, 29334), (470, 29277), (486, 29217), (491, 29202), (497, 29190), (500, 29181), (515, 29142),

Gene: Parada_39 Start: 31322, Stop: 30051, Start Num: 56

Candidate Starts for Parada_39:

(Start: 56 @31322 has 82 MA's), (Start: 63 @31307 has 2 MA's), (103, 31205), (116, 31163), (120, 31151), (145, 31076), (171, 31001), (175, 30992), (180, 30974), (216, 30875), (219, 30872), (254, 30782), (306, 30677), (335, 30581), (339, 30575), (404, 30413), (458, 30272), (470, 30227), (484, 30176), (486, 30167), (491, 30152), (497, 30140), (501, 30128), (519, 30089),

Gene: Pawn_35 Start: 26644, Stop: 25499, Start Num: 61

Candidate Starts for Pawn_35:

(Start: 23 @26707 has 2 MA's), (Start: 61 @26644 has 119 MA's), (Start: 87 @26590 has 14 MA's), (Start: 110 @26521 has 6 MA's), (181, 26302), (184, 26293), (218, 26257), (243, 26200), (276, 26122), (292, 26089), (324, 25987), (330, 25969), (336, 25957), (375, 25882), (378, 25876), (385, 25855), (390, 25840), (398, 25822), (409, 25798), (473, 25639), (474, 25636), (481, 25606), (483, 25600), (486, 25588), (500, 25549),

Gene: Pelletreau_41 Start: 25089, Stop: 23905, Start Num: 56

Candidate Starts for Pelletreau_41:

(Start: 56 @25089 has 82 MA's), (137, 24870), (145, 24852), (186, 24735), (213, 24660), (348, 24330), (383, 24237), (387, 24225), (394, 24207), (454, 24090), (465, 24054),

Gene: Pembroke_36 Start: 26791, Stop: 25646, Start Num: 61

Candidate Starts for Pembroke_36:

(Start: 61 @26791 has 119 MA's), (Start: 81 @26752 has 10 MA's), (Start: 110 @26668 has 6 MA's), (122, 26623), (178, 26467), (184, 26440), (218, 26404), (243, 26347), (276, 26269), (285, 26245), (302, 26206), (324, 26134), (327, 26122), (330, 26116), (336, 26104), (375, 26029), (378, 26023), (385, 26002), (390, 25987), (398, 25969), (409, 25945), (461, 25831), (473, 25786), (474, 25783), (477, 25774), (481, 25753), (483, 25747), (486, 25735), (500, 25696),

Gene: Penny1_36 Start: 26790, Stop: 25645, Start Num: 61

Candidate Starts for Penny1_36:

(Start: 61 @26790 has 119 MA's), (Start: 81 @26751 has 10 MA's), (99, 26703), (Start: 110 @26667 has 6 MA's), (122, 26622), (178, 26466), (184, 26439), (218, 26403), (243, 26346), (276, 26268), (285, 26244), (302, 26205), (324, 26133), (327, 26121), (330, 26115), (336, 26103), (375, 26028), (378, 26022), (385, 26001), (390, 25986), (398, 25968), (409, 25944), (461, 25830), (473, 25785), (474, 25782), (477, 25773), (481, 25752), (483, 25746), (486, 25734), (500, 25695),

Gene: PetriParty_38 Start: 28492, Stop: 27353, Start Num: 68

Candidate Starts for PetriParty_38:

(Start: 68 @28492 has 3 MA's), (96, 28426), (118, 28351), (123, 28330), (140, 28285), (170, 28201), (188, 28144), (194, 28126), (228, 28090), (242, 28060), (247, 28045), (251, 28033), (258, 28012), (276, 27976), (277, 27973), (285, 27952), (303, 27910), (304, 27907), (310, 27883), (324, 27844), (330, 27826), (387, 27718), (408, 27667), (449, 27595), (469, 27526), (470, 27520), (471, 27517), (488, 27454), (514, 27385), (517, 27379),

Gene: Ph8s_35 Start: 25309, Stop: 24314, Start Num: 110

Candidate Starts for Ph8s_35:

(Start: 65 @25426 has 8 MA's), (99, 25345), (Start: 110 @25309 has 6 MA's), (122, 25264), (180, 25096), (184, 25081), (218, 25045), (237, 25003), (242, 24991), (243, 24988), (251, 24964), (290, 24880), (324, 24775), (330, 24757), (336, 24745), (354, 24724), (375, 24670), (385, 24643), (390, 24628), (398, 24610), (410, 24583), (461, 24472), (474, 24424), (481, 24394), (483, 24388), (486, 24376), (500, 24337),

Gene: Phaded_37 Start: 28341, Stop: 27214, Start Num: 61

Candidate Starts for Phaded_37:

(Start: 61 @28341 has 119 MA's), (Start: 81 @28305 has 10 MA's), (Start: 110 @28221 has 6 MA's), (122, 28176), (166, 28047), (180, 28008), (218, 27957), (264, 27846), (276, 27822), (292, 27789), (296, 27777), (330, 27669), (331, 27666), (375, 27582), (378, 27576), (385, 27555), (390, 27540), (398, 27522), (474, 27336), (481, 27306), (483, 27300), (486, 27288), (500, 27249), (509, 27225),

Gene: Phantastic_33 Start: 26109, Stop: 24964, Start Num: 45

Candidate Starts for Phantastic_33:

(Start: 45 @26109 has 2 MA's), (Start: 53 @26100 has 6 MA's), (Start: 110 @25965 has 6 MA's), (122, 25920), (182, 25743), (184, 25737), (190, 25722), (218, 25701), (243, 25644), (276, 25566), (302, 25503), (330, 25413), (336, 25401), (375, 25326), (385, 25299), (390, 25284), (398, 25266), (409, 25242), (461, 25128), (474, 25080), (481, 25050), (483, 25044), (486, 25032), (493, 25011), (500, 24993),

Gene: Pharaoh_32 Start: 27018, Stop: 25882, Start Num: 53

Candidate Starts for Pharaoh_32:

(31, 27054), (33, 27051), (Start: 53 @27018 has 6 MA's), (Start: 92 @26937 has 8 MA's), (Start: 110 @26883 has 6 MA's), (122, 26838), (184, 26655), (218, 26619), (242, 26565), (243, 26562), (247, 26550), (276, 26484), (290, 26454), (296, 26439), (324, 26349), (330, 26331), (336, 26319), (375, 26244), (378, 26238), (385, 26217), (390, 26202), (398, 26184), (407, 26163), (410, 26157), (461, 26046), (474, 25998), (481, 25968), (483, 25962), (486, 25950), (500, 25911),

Gene: Phelipe_33 Start: 26296, Stop: 25130, Start Num: 32

Candidate Starts for Phelipe_33:

(Start: 32 @26296 has 3 MA's), (47, 26269), (Start: 61 @26251 has 119 MA's), (Start: 92 @26182 has 8 MA's), (97, 26173), (Start: 110 @26128 has 6 MA's), (181, 25909), (184, 25900), (218, 25864), (237, 25822), (242, 25810), (243, 25807), (276, 25729), (324, 25594), (330, 25576), (375, 25489), (385, 25462), (390, 25447), (398, 25429), (461, 25291), (474, 25243), (481, 25213), (483, 25207), (486, 25195), (500, 25156),

Gene: PhishRPhriends_34 Start: 25821, Stop: 24682, Start Num: 61

Candidate Starts for PhishRPhriends_34:

(Start: 23 @25884 has 2 MA's), (Start: 61 @25821 has 119 MA's), (Start: 87 @25767 has 14 MA's), (Start: 110 @25698 has 6 MA's), (181, 25479), (184, 25470), (218, 25434), (243, 25377), (276, 25299), (292, 25266), (324, 25164), (330, 25146), (336, 25134), (375, 25059), (378, 25053), (385, 25032), (390, 25017), (398, 24999), (409, 24975), (473, 24816), (474, 24813), (481, 24783), (483, 24777), (486, 24765), (500, 24726),

Gene: PhluffyCoco_36 Start: 23912, Stop: 22719, Start Num: 56

Candidate Starts for PhluffyCoco_36:

(Start: 56 @23912 has 82 MA's), (213, 23483), (237, 23426), (333, 23174), (387, 23048), (390, 23036), (465, 22877), (486, 22796), (505, 22748),

Gene: Phoebe_36 Start: 26782, Stop: 25637, Start Num: 61

Candidate Starts for Phoebe_36:

(Start: 61 @26782 has 119 MA's), (Start: 81 @26743 has 10 MA's), (99, 26695), (Start: 110 @26659 has 6 MA's), (122, 26614), (178, 26458), (184, 26431), (218, 26395), (243, 26338), (276, 26260), (285, 26236), (302, 26197), (324, 26125), (327, 26113), (330, 26107), (336, 26095), (375, 26020), (378, 26014), (385, 25993), (390, 25978), (398, 25960), (409, 25936), (461, 25822), (473, 25777), (474, 25774), (477, 25765), (481, 25744), (483, 25738), (486, 25726), (500, 25687),

Gene: Phranny_36 Start: 26629, Stop: 25490, Start Num: 61

Candidate Starts for Phranny_36:

(Start: 23 @26692 has 2 MA's), (Start: 61 @26629 has 119 MA's), (Start: 87 @26575 has 14 MA's), (Start: 110 @26506 has 6 MA's), (181, 26287), (184, 26278), (218, 26242), (243, 26185), (276, 26107), (292, 26074), (324, 25972), (330, 25954), (336, 25942), (375, 25867), (378, 25861), (385, 25840), (390, 25825), (398, 25807), (409, 25783), (473, 25624), (474, 25621), (481, 25591), (483, 25585), (486, 25573), (500, 25534),

Gene: PhriskyACE_36 Start: 30974, Stop: 29805, Start Num: 56

Candidate Starts for PhriskyACE_36:

(Start: 56 @30974 has 82 MA's), (117, 30812), (175, 30650), (180, 30632), (207, 30566), (212, 30548), (213, 30545), (216, 30533), (237, 30488), (251, 30449), (254, 30440), (264, 30419), (266, 30416), (307, 30332), (308, 30329), (325, 30272), (389, 30137), (404, 30101), (420, 30071), (454, 30014), (458, 30002), (462, 29987), (486, 29897), (491, 29882), (500, 29861), (515, 29822), (518, 29813),

Gene: Pigu_32 Start: 23069, Stop: 24265, Start Num: 30

Candidate Starts for Pigu_32:

(4, 22745), (6, 22754), (7, 22775), (9, 22910), (16, 22994), (Start: 30 @23069 has 2 MA's), (60, 23120), (73, 23153), (98, 23216), (122, 23300), (147, 23372), (155, 23396), (164, 23423), (173, 23444), (211, 23507), (242, 23555), (247, 23570), (262, 23606), (274, 23633), (327, 23786), (388, 23921), (447, 24041), (463, 24098), (481, 24170), (497, 24221),

Gene: Pimento_39 Start: 30980, Stop: 29709, Start Num: 56

Candidate Starts for Pimento_39:

(Start: 39 @31004 has 2 MA's), (Start: 56 @30980 has 82 MA's), (Start: 63 @30965 has 2 MA's), (103, 30863), (116, 30821), (120, 30809), (145, 30734), (171, 30659), (175, 30650), (180, 30632), (216, 30533), (219, 30530), (254, 30440), (303, 30344), (306, 30335), (335, 30239), (349, 30215), (404, 30071), (458, 29930), (470, 29885), (484, 29834), (486, 29825), (491, 29810), (497, 29798), (501, 29786), (519, 29747),

Gene: Pineda_38 Start: 24165, Stop: 22978, Start Num: 56

Candidate Starts for Pineda_38:

(18, 24255), (Start: 56 @24165 has 82 MA's), (213, 23736), (387, 23301), (454, 23166),

Gene: Piro94_34 Start: 26723, Stop: 25590, Start Num: 62

Candidate Starts for Piro94_34:

(54, 26741), (Start: 62 @26723 has 4 MA's), (Start: 81 @26684 has 10 MA's), (Start: 87 @26669 has 14 MA's), (Start: 110 @26600 has 6 MA's), (122, 26555), (140, 26501), (182, 26378), (218, 26336), (236, 26300), (242, 26282), (285, 26177), (324, 26066), (330, 26048), (336, 26036), (375, 25961), (385, 25934), (390, 25919), (398, 25901), (410, 25874), (461, 25763), (473, 25718), (474, 25715), (481, 25685), (483, 25679), (486, 25667), (500, 25628),

Gene: Pistachio_34 Start: 25844, Stop: 24717, Start Num: 61

Candidate Starts for Pistachio_34:

(Start: 61 @25844 has 119 MA's), (99, 25757), (Start: 110 @25721 has 6 MA's), (122, 25676), (178, 25520), (180, 25508), (181, 25502), (218, 25457), (242, 25403), (243, 25400), (276, 25322), (330, 25169), (336, 25157), (363, 25118), (375, 25082), (378, 25076), (385, 25055), (390, 25040), (398, 25022), (410, 24995), (461, 24884), (474, 24836), (481, 24806), (483, 24800), (486, 24788), (500, 24749),

Gene: Pitbull_33 Start: 24636, Stop: 23518, Start Num: 55

Candidate Starts for Pitbull_33:

(36, 24666), (52, 24639), (Start: 55 @24636 has 4 MA's), (Start: 66 @24612 has 21 MA's), (128, 24441), (137, 24414), (180, 24306), (186, 24285), (190, 24276), (207, 24237), (212, 24219), (215, 24207), (216, 24204), (226, 24183), (250, 24123), (262, 24099), (301, 24033), (306, 24018), (317,

23976), (359, 23898), (376, 23850), (382, 23835), (388, 23814), (390, 23808), (402, 23787), (481, 23601), (500, 23547),

Gene: Polka_36 Start: 23869, Stop: 22682, Start Num: 56

Candidate Starts for Polka_36:

(18, 23959), (Start: 56 @23869 has 82 MA's), (213, 23440), (387, 23005), (454, 22870),

Gene: Polymorphads_33 Start: 26248, Stop: 25127, Start Num: 61

Candidate Starts for Polymorphads_33:

(Start: 32 @26293 has 3 MA's), (47, 26266), (Start: 61 @26248 has 119 MA's), (Start: 92 @26179 has 8 MA's), (Start: 110 @26125 has 6 MA's), (181, 25906), (184, 25897), (218, 25861), (237, 25819), (242, 25807), (243, 25804), (276, 25726), (324, 25591), (330, 25573), (375, 25486), (378, 25480), (385, 25459), (390, 25444), (398, 25426), (461, 25288), (474, 25240), (481, 25210), (483, 25204), (486, 25192), (500, 25153),

Gene: Pomar16_37 Start: 26461, Stop: 25391, Start Num: 87

Candidate Starts for Pomar16_37:

(Start: 61 @26515 has 119 MA's), (Start: 87 @26461 has 14 MA's), (Start: 110 @26392 has 6 MA's), (178, 26191), (184, 26164), (218, 26128), (243, 26071), (252, 26044), (276, 25993), (292, 25960), (296, 25948), (302, 25930), (330, 25840), (336, 25828), (363, 25789), (375, 25753), (378, 25747), (385, 25726), (390, 25711), (398, 25693), (410, 25666), (461, 25555), (474, 25507), (475, 25504), (481, 25477), (483, 25471), (486, 25459), (500, 25420),

Gene: Porcelain_86 Start: 50735, Stop: 52009, Start Num: 20

Candidate Starts for Porcelain_86:

(11, 50678), (Start: 19 @50720 has 1 MA's), (Start: 20 @50735 has 10 MA's), (21, 50738), (35, 50783), (Start: 58 @50822 has 1 MA's), (194, 51203), (237, 51287), (242, 51299), (243, 51302), (297, 51431), (349, 51551), (374, 51614), (381, 51632), (391, 51656), (423, 51728), (480, 51905), (481, 51908), (483, 51914), (488, 51932), (493, 51947), (496, 51956), (497, 51959), (513, 52004),

Gene: PotatoSplit_37 Start: 26790, Stop: 25645, Start Num: 61

Candidate Starts for PotatoSplit_37:

(Start: 61 @26790 has 119 MA's), (Start: 81 @26751 has 10 MA's), (99, 26703), (Start: 110 @26667 has 6 MA's), (122, 26622), (178, 26466), (184, 26439), (218, 26403), (243, 26346), (276, 26268), (285, 26244), (302, 26205), (324, 26133), (327, 26121), (330, 26115), (336, 26103), (375, 26028), (378, 26022), (385, 26001), (390, 25986), (398, 25968), (409, 25944), (461, 25830), (473, 25785), (474, 25782), (477, 25773), (481, 25752), (483, 25746), (486, 25734), (500, 25695),

Gene: Power_33 Start: 26423, Stop: 25227, Start Num: 64

Candidate Starts for Power_33:

(43, 26453), (Start: 64 @26423 has 8 MA's), (Start: 110 @26303 has 6 MA's), (122, 26258), (178, 26102), (184, 26075), (218, 26039), (237, 25997), (243, 25982), (276, 25904), (292, 25871), (296, 25859), (302, 25841), (330, 25751), (336, 25739), (375, 25664), (378, 25658), (385, 25637), (390, 25622), (398, 25604), (410, 25577), (461, 25466), (474, 25418), (475, 25415), (481, 25388), (483, 25382), (486, 25370), (500, 25331), (521, 25277),

Gene: Powerball_37 Start: 30563, Stop: 29394, Start Num: 56

Candidate Starts for Powerball_37:

(Start: 56 @30563 has 82 MA's), (145, 30320), (184, 30203), (208, 30149), (209, 30143), (213, 30131), (216, 30119), (254, 30026), (256, 30020), (270, 29990), (306, 29921), (307, 29918), (314, 29888), (337, 29837), (375, 29765), (454, 29603), (458, 29591), (481, 29504), (484, 29495), (500, 29450), (515, 29411),

Gene: Pukovnik_35 Start: 27554, Stop: 26421, Start Num: 53

Candidate Starts for Pukovnik_35:

(Start: 53 @27554 has 6 MA's), (Start: 110 @27419 has 6 MA's), (122, 27374), (124, 27368), (135, 27329), (178, 27218), (184, 27191), (218, 27155), (237, 27113), (242, 27101), (243, 27098), (330, 26867), (336, 26855), (375, 26780), (378, 26774), (385, 26753), (390, 26738), (398, 26720), (422, 26669), (461, 26582), (474, 26534), (481, 26504), (483, 26498), (486, 26486), (493, 26465), (500, 26447),

Gene: Puppy_34 Start: 25914, Stop: 24787, Start Num: 61

Candidate Starts for Puppy_34:

(Start: 61 @25914 has 119 MA's), (99, 25827), (Start: 110 @25791 has 6 MA's), (122, 25746), (178, 25590), (180, 25578), (181, 25572), (218, 25527), (242, 25473), (243, 25470), (251, 25446), (324, 25257), (330, 25239), (336, 25227), (363, 25188), (375, 25152), (378, 25146), (385, 25125), (390, 25110), (398, 25092), (461, 24954), (474, 24906), (481, 24876), (483, 24870), (486, 24858), (500, 24819),

Gene: PurpleHaze_35 Start: 26642, Stop: 25497, Start Num: 61

Candidate Starts for PurpleHaze_35:

(Start: 23 @26705 has 2 MA's), (Start: 61 @26642 has 119 MA's), (Start: 87 @26588 has 14 MA's), (Start: 110 @26519 has 6 MA's), (181, 26300), (184, 26291), (218, 26255), (243, 26198), (276, 26120), (292, 26087), (324, 25985), (330, 25967), (336, 25955), (375, 25880), (378, 25874), (385, 25853), (390, 25838), (398, 25820), (409, 25796), (473, 25637), (474, 25634), (481, 25604), (483, 25598), (486, 25586), (500, 25547),

Gene: QueenB2_34 Start: 26488, Stop: 25370, Start Num: 61

Candidate Starts for QueenB2_34:

(Start: 23 @26551 has 2 MA's), (Start: 61 @26488 has 119 MA's), (Start: 87 @26434 has 14 MA's), (Start: 110 @26365 has 6 MA's), (122, 26320), (178, 26164), (179, 26161), (184, 26137), (218, 26101), (243, 26044), (276, 25966), (292, 25933), (296, 25921), (302, 25903), (330, 25813), (336, 25801), (378, 25720), (385, 25699), (390, 25684), (398, 25666), (410, 25639), (461, 25528), (474, 25480), (475, 25477), (481, 25450), (483, 25444), (486, 25432), (500, 25393),

Gene: QueenBeesly_34 Start: 26370, Stop: 25255, Start Num: 64

Candidate Starts for QueenBeesly_34:

(43, 26400), (Start: 64 @26370 has 8 MA's), (Start: 110 @26250 has 6 MA's), (122, 26205), (178, 26049), (184, 26022), (218, 25986), (237, 25944), (243, 25929), (292, 25818), (296, 25806), (302, 25788), (330, 25698), (336, 25686), (375, 25611), (378, 25605), (385, 25584), (390, 25569), (398, 25551), (410, 25524), (414, 25515), (461, 25413), (473, 25368), (474, 25365), (475, 25362), (481, 25335), (483, 25329), (486, 25317), (500, 25278),

Gene: Quokka_33 Start: 25599, Stop: 24475, Start Num: 61

Candidate Starts for Quokka_33:

(Start: 61 @25599 has 119 MA's), (97, 25521), (Start: 110 @25476 has 6 MA's), (122, 25431), (143, 25371), (184, 25248), (218, 25212), (242, 25158), (243, 25155), (296, 25032), (297, 25029), (302, 25014), (327, 24930), (330, 24924), (354, 24891), (362, 24876), (375, 24837), (385, 24810), (390, 24795), (398, 24777), (410, 24750), (461, 24639), (474, 24591), (475, 24588), (477, 24582), (481, 24561), (483, 24555), (486, 24543), (500, 24504),

Gene: REQ2_38 Start: 31529, Stop: 30324, Start Num: 57

Candidate Starts for REQ2_38:

(Start: 53 @31535 has 6 MA's), (Start: 57 @31529 has 7 MA's), (89, 31454), (113, 31382), (143, 31292), (172, 31220), (185, 31178), (205, 31139), (231, 31070), (234, 31061), (237, 31052), (247, 31025), (253, 31007), (260, 30986), (275, 30950), (317, 30833), (350, 30776), (375, 30716), (378,

30710), (383, 30695), (417, 30614), (466, 30485), (477, 30443), (505, 30353), (511, 30335),

Gene: REQ3_01 Start: 1320, Stop: 82, Start Num: 56

Candidate Starts for REQ3_01:

(22, 1395), (Start: 56 @1320 has 82 MA's), (103, 1203), (121, 1137), (137, 1083), (141, 1074), (144, 1068), (167, 1002), (194, 927), (216, 861), (230, 831), (237, 816), (241, 807), (254, 765), (260, 747), (271, 702), (273, 699), (276, 669), (286, 642), (290, 633), (305, 591), (306, 588), (314, 555), (344, 492), (357, 465), (375, 423), (378, 417), (383, 402), (385, 396), (394, 378), (402, 360), (404, 357), (412, 342), (424, 315), (433, 294), (462, 240), (479, 171), (481, 165), (501, 108), (506, 96),

Gene: Rabbitrun_10 Start: 3920, Stop: 2817, Start Num: 79

Candidate Starts for Rabbitrun_10:

(Start: 79 @3920 has 12 MA's), (84, 3908), (105, 3854), (109, 3845), (111, 3839), (118, 3815), (174, 3662), (199, 3590), (229, 3548), (239, 3527), (244, 3515), (258, 3482), (299, 3392), (306, 3371), (335, 3284), (351, 3257), (374, 3203), (429, 3083), (454, 2987), (459, 2972), (469, 2933), (479, 2891),

Gene: Rattail_36 Start: 23998, Stop: 22805, Start Num: 56

Candidate Starts for Rattail_36:

(Start: 56 @23998 has 82 MA's), (213, 23569), (237, 23512), (333, 23260), (387, 23134), (390, 23122), (465, 22963), (486, 22882), (505, 22834),

Gene: Rearden_78 Start: 49030, Stop: 50319, Start Num: 19

Candidate Starts for Rearden_78:

(11, 48988), (Start: 19 @49030 has 1 MA's), (Start: 20 @49045 has 10 MA's), (21, 49048), (35, 49093), (Start: 58 @49132 has 1 MA's), (194, 49513), (237, 49597), (242, 49609), (243, 49612), (297, 49741), (349, 49861), (374, 49924), (381, 49942), (391, 49966), (423, 50038), (480, 50215), (481, 50218), (483, 50224), (488, 50242), (493, 50257), (496, 50266), (497, 50269), (513, 50314),

Gene: Reba_36 Start: 26302, Stop: 25163, Start Num: 61

Candidate Starts for Reba_36:

(Start: 23 @26365 has 2 MA's), (Start: 61 @26302 has 119 MA's), (Start: 87 @26248 has 14 MA's), (Start: 110 @26179 has 6 MA's), (181, 25960), (184, 25951), (218, 25915), (243, 25858), (276, 25780), (292, 25747), (324, 25645), (330, 25627), (336, 25615), (375, 25540), (378, 25534), (385, 25513), (390, 25498), (398, 25480), (409, 25456), (473, 25297), (474, 25294), (481, 25264), (483, 25258), (486, 25246), (500, 25207),

Gene: RedFox_36 Start: 23911, Stop: 22718, Start Num: 56

Candidate Starts for RedFox_36:

(Start: 56 @23911 has 82 MA's), (213, 23482), (237, 23425), (246, 23401), (333, 23173), (387, 23047), (390, 23035), (400, 23014), (465, 22876), (486, 22795), (505, 22747),

Gene: Renna12_35 Start: 23953, Stop: 22760, Start Num: 56

Candidate Starts for Renna12_35:

(Start: 56 @23953 has 82 MA's), (147, 23710), (213, 23524), (237, 23467), (246, 23443), (333, 23215), (387, 23089), (390, 23077), (505, 22789),

Gene: Retro23_35 Start: 26753, Stop: 25632, Start Num: 61

Candidate Starts for Retro23_35:

(Start: 23 @26816 has 2 MA's), (Start: 61 @26753 has 119 MA's), (Start: 87 @26699 has 14 MA's), (Start: 110 @26630 has 6 MA's), (122, 26585), (178, 26429), (218, 26366), (247, 26297), (264, 26255), (276, 26231), (302, 26168), (330, 26078), (336, 26066), (375, 25991), (378, 25985), (385, 25964), (390, 25949), (398, 25931), (410, 25904), (461, 25793), (473, 25748), (474, 25745), (475, 25742), (481, 25715), (483, 25709), (486, 25697), (500, 25658),

Gene: Rockstar_33 Start: 26058, Stop: 24934, Start Num: 61

Candidate Starts for Rockstar_33:

(Start: 34 @26100 has 1 MA's), (Start: 61 @26058 has 119 MA's), (Start: 81 @26019 has 10 MA's), (99, 25971), (Start: 110 @25935 has 6 MA's), (122, 25890), (181, 25716), (218, 25671), (237, 25629), (247, 25602), (276, 25536), (296, 25491), (330, 25383), (336, 25371), (354, 25350), (375, 25296), (378, 25290), (385, 25269), (390, 25254), (398, 25236), (410, 25209), (461, 25098), (474, 25050), (475, 25047), (481, 25020), (483, 25014), (486, 25002), (493, 24981), (500, 24963),

Gene: Roimos_33 Start: 26186, Stop: 25146, Start Num: 99

Candidate Starts for Roimos_33:

(Start: 61 @26273 has 119 MA's), (99, 26186), (Start: 110 @26150 has 6 MA's), (122, 26105), (143, 26045), (178, 25949), (180, 25937), (181, 25931), (218, 25886), (242, 25832), (243, 25829), (251, 25805), (324, 25616), (330, 25598), (336, 25586), (363, 25547), (375, 25511), (378, 25505), (385, 25484), (390, 25469), (398, 25451), (461, 25313), (474, 25265), (481, 25235), (483, 25229), (486, 25217), (500, 25178),

Gene: Ruchi_33 Start: 24704, Stop: 23520, Start Num: 56

Candidate Starts for Ruchi_33:

(Start: 56 @24704 has 82 MA's), (137, 24485), (186, 24350), (213, 24275), (219, 24260), (301, 24059), (383, 23852), (387, 23840), (394, 23822), (400, 23807), (454, 23705), (462, 23678), (465, 23669),

Gene: RunningOnE_7 Start: 3145, Stop: 1910, Start Num: 63

Candidate Starts for RunningOnE_7:

(24, 3208), (29, 3199), (Start: 63 @3145 has 2 MA's), (155, 2884), (241, 2689), (286, 2575), (296, 2554), (307, 2521), (362, 2383), (384, 2320), (385, 2317), (399, 2281), (453, 2134), (472, 2050), (508, 1933),

Gene: Ruthy_39 Start: 33142, Stop: 31883, Start Num: 56

Candidate Starts for Ruthy_39:

(Start: 56 @33142 has 82 MA's), (171, 32821), (213, 32707), (216, 32695), (254, 32602), (266, 32578), (339, 32410), (342, 32407), (382, 32314), (383, 32311), (404, 32254), (450, 32137), (454, 32125), (470, 32068), (491, 31993), (497, 31981), (515, 31933),

Gene: SPB78_39 Start: 30658, Stop: 29387, Start Num: 30

Candidate Starts for SPB78_39:

(Start: 30 @30658 has 2 MA's), (67, 30592), (132, 30403), (181, 30268), (190, 30244), (200, 30220), (224, 30190), (228, 30181), (232, 30175), (233, 30172), (298, 30025), (304, 30007), (332, 29917), (338, 29908), (385, 29800), (396, 29770), (419, 29722), (439, 29665), (446, 29629), (456, 29587), (461, 29569), (477, 29512), (482, 29488), (500, 29431), (510, 29404),

Gene: Sabia_36 Start: 26783, Stop: 25638, Start Num: 61

Candidate Starts for Sabia_36:

(Start: 61 @26783 has 119 MA's), (Start: 81 @26744 has 10 MA's), (99, 26696), (Start: 110 @26660 has 6 MA's), (122, 26615), (178, 26459), (184, 26432), (218, 26396), (243, 26339), (276, 26261), (285, 26237), (302, 26198), (324, 26126), (327, 26114), (330, 26108), (336, 26096), (375, 26021), (378, 26015), (385, 25994), (390, 25979), (398, 25961), (409, 25937), (461, 25823), (473, 25778), (474, 25775), (477, 25766), (481, 25745), (483, 25739), (486, 25727), (500, 25688),

Gene: Sabinator_36 Start: 26788, Stop: 25643, Start Num: 61

Candidate Starts for Sabinator_36:

(Start: 61 @26788 has 119 MA's), (Start: 81 @26749 has 10 MA's), (99, 26701), (Start: 110 @26665 has 6 MA's), (122, 26620), (178, 26464), (184, 26437), (218, 26401), (243, 26344), (276, 26266), (285,

26242), (302, 26203), (324, 26131), (327, 26119), (330, 26113), (336, 26101), (375, 26026), (378, 26020), (385, 25999), (390, 25984), (398, 25966), (409, 25942), (461, 25828), (473, 25783), (474, 25780), (477, 25771), (481, 25750), (483, 25744), (486, 25732), (500, 25693),

Gene: SaturnRing_33 Start: 26297, Stop: 25170, Start Num: 61

Candidate Starts for SaturnRing_33:

(Start: 61 @26297 has 119 MA's), (99, 26210), (Start: 110 @26174 has 6 MA's), (122, 26129), (178, 25973), (180, 25961), (181, 25955), (218, 25910), (242, 25856), (243, 25853), (276, 25775), (330, 25622), (336, 25610), (363, 25571), (375, 25535), (378, 25529), (385, 25508), (390, 25493), (398, 25475), (410, 25448), (461, 25337), (474, 25289), (481, 25259), (483, 25253), (486, 25241), (500, 25202),

Gene: Sbash_40 Start: 34462, Stop: 33260, Start Num: 57

Candidate Starts for Sbash_40:

(Start: 57 @34462 has 7 MA's), (89, 34387), (100, 34357), (102, 34354), (176, 34141), (177, 34138), (203, 34075), (240, 33979), (253, 33940), (260, 33919), (285, 33865), (332, 33730), (417, 33553), (420, 33550), (421, 33547), (430, 33526), (466, 33424), (469, 33409), (486, 33343), (493, 33322),

Gene: Schmidt_32 Start: 24660, Stop: 23548, Start Num: 75

Candidate Starts for Schmidt_32:

(Start: 75 @24660 has 2 MA's), (93, 24615), (183, 24354), (192, 24330), (245, 24249), (247, 24243), (286, 24150), (304, 24108), (305, 24105), (314, 24069), (346, 23997), (367, 23946), (369, 23940), (377, 23919), (454, 23772), (466, 23733), (473, 23703), (481, 23670), (500, 23610), (515, 23571), (520, 23556),

Gene: Scout_33 Start: 25604, Stop: 24477, Start Num: 61

Candidate Starts for Scout_33:

(Start: 61 @25604 has 119 MA's), (99, 25517), (Start: 110 @25481 has 6 MA's), (122, 25436), (143, 25376), (178, 25280), (180, 25268), (181, 25262), (218, 25217), (242, 25163), (243, 25160), (251, 25136), (324, 24947), (330, 24929), (336, 24917), (363, 24878), (375, 24842), (378, 24836), (385, 24815), (390, 24800), (398, 24782), (461, 24644), (474, 24596), (481, 24566), (483, 24560), (486, 24548), (500, 24509),

Gene: Sejanus_42 Start: 40492, Stop: 39290, Start Num: 57

Candidate Starts for Sejanus_42:

(Start: 57 @40492 has 7 MA's), (89, 40417), (98, 40393), (100, 40387), (132, 40282), (176, 40171), (177, 40168), (203, 40105), (253, 39970), (260, 39949), (285, 39895), (330, 39766), (332, 39760), (420, 39580), (421, 39577), (430, 39556), (445, 39520), (466, 39454), (469, 39439), (486, 39373), (495, 39349), (505, 39319),

Gene: SemperFi_35 Start: 26638, Stop: 25517, Start Num: 64

Candidate Starts for SemperFi_35:

(43, 26668), (Start: 64 @26638 has 8 MA's), (Start: 110 @26518 has 6 MA's), (122, 26473), (178, 26317), (184, 26290), (218, 26254), (243, 26197), (247, 26185), (276, 26119), (296, 26074), (302, 26056), (330, 25966), (336, 25954), (368, 25897), (375, 25879), (378, 25873), (385, 25852), (390, 25837), (398, 25819), (410, 25792), (461, 25681), (474, 25633), (475, 25630), (481, 25603), (483, 25597), (486, 25585), (500, 25546),

Gene: Serenity_34 Start: 25724, Stop: 24600, Start Num: 61

Candidate Starts for Serenity_34:

(Start: 61 @25724 has 119 MA's), (97, 25646), (Start: 110 @25601 has 6 MA's), (122, 25556), (134, 25514), (143, 25496), (184, 25373), (218, 25337), (242, 25283), (243, 25280), (276, 25202), (296, 25157), (297, 25154), (302, 25139), (327, 25055), (330, 25049), (354, 25016), (375, 24962), (385,

24935), (390, 24920), (398, 24902), (410, 24875), (461, 24764), (474, 24716), (475, 24713), (477, 24707), (481, 24686), (483, 24680), (486, 24668), (500, 24629),

Gene: Shaboozey_79 Start: 48487, Stop: 49761, Start Num: 20

Candidate Starts for Shaboozey_79:

(11, 48430), (Start: 19 @48472 has 1 MA's), (Start: 20 @48487 has 10 MA's), (21, 48490), (35, 48535), (Start: 58 @48574 has 1 MA's), (194, 48955), (237, 49039), (242, 49051), (243, 49054), (297, 49183), (349, 49303), (374, 49366), (381, 49384), (391, 49408), (423, 49480), (480, 49657), (481, 49660), (483, 49666), (488, 49684), (493, 49699), (496, 49708), (497, 49711), (513, 49756),

Gene: SheldonCooper_34 Start: 26519, Stop: 25467, Start Num: 92

Candidate Starts for SheldonCooper_34:

(Start: 32 @26633 has 3 MA's), (47, 26606), (Start: 61 @26588 has 119 MA's), (Start: 92 @26519 has 8 MA's), (Start: 110 @26465 has 6 MA's), (181, 26246), (184, 26237), (218, 26201), (237, 26159), (242, 26147), (243, 26144), (324, 25931), (330, 25913), (375, 25826), (378, 25820), (385, 25799), (390, 25784), (398, 25766), (461, 25628), (474, 25580), (481, 25550), (483, 25544), (486, 25532), (500, 25493),

Gene: Shen_33 Start: 23191, Stop: 22007, Start Num: 56

Candidate Starts for Shen_33:

(Start: 56 @23191 has 82 MA's), (137, 22972), (145, 22954), (186, 22837), (213, 22762), (214, 22759), (348, 22432), (383, 22339), (387, 22327), (394, 22309), (454, 22192), (465, 22156),

Gene: Sidious_37 Start: 31771, Stop: 30602, Start Num: 56

Candidate Starts for Sidious_37:

(Start: 56 @31771 has 82 MA's), (174, 31447), (184, 31411), (208, 31357), (209, 31351), (213, 31339), (216, 31327), (254, 31234), (256, 31228), (270, 31198), (306, 31129), (307, 31126), (314, 31096), (337, 31045), (375, 30973), (404, 30898), (454, 30811), (458, 30799), (481, 30712), (484, 30703), (500, 30658), (515, 30619),

Gene: Skitty_31 Start: 24174, Stop: 23056, Start Num: 55

Candidate Starts for Skitty_31:

(Start: 55 @24174 has 4 MA's), (128, 23979), (137, 23952), (156, 23913), (186, 23823), (190, 23814), (212, 23757), (215, 23745), (216, 23742), (221, 23733), (226, 23721), (250, 23661), (252, 23652), (262, 23637), (301, 23571), (306, 23556), (310, 23538), (317, 23514), (318, 23511), (359, 23436), (376, 23388), (382, 23373), (388, 23352), (402, 23325), (481, 23139), (500, 23085),

Gene: Sknot_34 Start: 26566, Stop: 25382, Start Num: 23

Candidate Starts for Sknot_34:

(Start: 23 @26566 has 2 MA's), (Start: 61 @26503 has 119 MA's), (Start: 87 @26449 has 14 MA's), (Start: 110 @26380 has 6 MA's), (122, 26335), (165, 26209), (184, 26152), (218, 26116), (242, 26062), (243, 26059), (296, 25936), (302, 25918), (330, 25828), (336, 25816), (375, 25741), (378, 25735), (385, 25714), (390, 25699), (398, 25681), (410, 25654), (474, 25495), (481, 25465), (483, 25459), (486, 25447), (500, 25408),

Gene: Smeagan_36 Start: 26880, Stop: 25771, Start Num: 61

Candidate Starts for Smeagan_36:

(Start: 38 @26913 has 7 MA's), (Start: 50 @26895 has 5 MA's), (Start: 61 @26880 has 119 MA's), (Start: 92 @26814 has 8 MA's), (Start: 110 @26766 has 6 MA's), (122, 26721), (178, 26565), (181, 26547), (184, 26538), (218, 26502), (243, 26445), (276, 26367), (285, 26343), (292, 26334), (296, 26322), (302, 26304), (330, 26214), (336, 26202), (368, 26145), (375, 26127), (385, 26100), (390, 26085), (398, 26067), (410, 26040), (414, 26031), (461, 25929), (474, 25881), (475, 25878), (481, 25851), (483, 25845), (486, 25833), (500, 25794),

Gene: SnapTap_34 Start: 26396, Stop: 25329, Start Num: 87

Candidate Starts for SnapTap_34:

(Start: 23 @26513 has 2 MA's), (Start: 61 @26450 has 119 MA's), (Start: 87 @26396 has 14 MA's), (Start: 110 @26327 has 6 MA's), (122, 26282), (165, 26156), (181, 26108), (184, 26099), (218, 26063), (242, 26009), (243, 26006), (296, 25883), (302, 25865), (310, 25835), (327, 25781), (330, 25775), (336, 25763), (375, 25688), (378, 25682), (385, 25661), (390, 25646), (398, 25628), (410, 25601), (461, 25490), (474, 25442), (481, 25412), (483, 25406), (486, 25394), (500, 25355),

Gene: Snickers_36 Start: 26763, Stop: 25618, Start Num: 61

Candidate Starts for Snickers_36:

(Start: 61 @26763 has 119 MA's), (Start: 81 @26724 has 10 MA's), (99, 26676), (Start: 110 @26640 has 6 MA's), (122, 26595), (178, 26439), (184, 26412), (218, 26376), (243, 26319), (276, 26241), (285, 26217), (302, 26178), (324, 26106), (327, 26094), (330, 26088), (336, 26076), (375, 26001), (378, 25995), (385, 25974), (390, 25959), (398, 25941), (409, 25917), (461, 25803), (473, 25758), (474, 25755), (477, 25746), (481, 25725), (483, 25719), (486, 25707), (500, 25668),

Gene: SoYo_36 Start: 26701, Stop: 25556, Start Num: 61

Candidate Starts for SoYo_36:

(Start: 61 @26701 has 119 MA's), (Start: 81 @26662 has 10 MA's), (99, 26614), (Start: 110 @26578 has 6 MA's), (122, 26533), (178, 26377), (184, 26350), (218, 26314), (243, 26257), (276, 26179), (285, 26155), (302, 26116), (324, 26044), (327, 26032), (330, 26026), (336, 26014), (375, 25939), (378, 25933), (385, 25912), (390, 25897), (398, 25879), (409, 25855), (461, 25741), (473, 25696), (474, 25693), (477, 25684), (481, 25663), (483, 25657), (486, 25645), (500, 25606),

Gene: SoilDragon_35 Start: 26236, Stop: 25091, Start Num: 61

Candidate Starts for SoilDragon_35:

(Start: 61 @26236 has 119 MA's), (Start: 81 @26197 has 10 MA's), (99, 26149), (Start: 110 @26113 has 6 MA's), (122, 26068), (178, 25912), (184, 25885), (218, 25849), (243, 25792), (276, 25714), (285, 25690), (302, 25651), (324, 25579), (327, 25567), (330, 25561), (336, 25549), (375, 25474), (378, 25468), (385, 25447), (390, 25432), (398, 25414), (461, 25276), (473, 25231), (474, 25228), (477, 25219), (481, 25198), (483, 25192), (486, 25180), (500, 25141),

Gene: Sparxx_33 Start: 26249, Stop: 25128, Start Num: 61

Candidate Starts for Sparxx_33:

(Start: 32 @26294 has 3 MA's), (47, 26267), (Start: 61 @26249 has 119 MA's), (Start: 92 @26180 has 8 MA's), (Start: 110 @26126 has 6 MA's), (181, 25907), (184, 25898), (218, 25862), (237, 25820), (242, 25808), (243, 25805), (276, 25727), (324, 25592), (330, 25574), (375, 25487), (378, 25481), (385, 25460), (390, 25445), (398, 25427), (461, 25289), (474, 25241), (481, 25211), (483, 25205), (486, 25193), (500, 25154),

Gene: Splinter_37 Start: 27965, Stop: 26850, Start Num: 79

Candidate Starts for Splinter_37:

(46, 28034), (Start: 79 @27965 has 12 MA's), (196, 27626), (223, 27593), (347, 27299), (353, 27287), (367, 27254), (431, 27107), (477, 26936), (483, 26909),

Gene: Spooks_11 Start: 8825, Stop: 7629, Start Num: 63

Candidate Starts for Spooks_11:

(Start: 63 @8825 has 2 MA's), (77, 8792), (93, 8759), (129, 8645), (130, 8639), (151, 8588), (178, 8516), (228, 8405), (287, 8264), (296, 8246), (325, 8153), (362, 8075), (380, 8030), (384, 8018), (436, 7886), (454, 7820), (457, 7802), (460, 7787), (464, 7775), (477, 7727), (498, 7652), (499, 7649),

Gene: Sprinklemunch_44 Start: 33982, Stop: 32723, Start Num: 56

Candidate Starts for Sprinklemunch_44:

(Start: 56 @33982 has 82 MA's), (103, 33865), (199, 33583), (213, 33547), (216, 33535), (237, 33490), (339, 33250), (342, 33247), (382, 33154), (404, 33094), (435, 33016), (450, 32977), (454, 32965), (470, 32908), (486, 32848), (497, 32821), (500, 32812), (515, 32773), (522, 32743),

Gene: Squint_87 Start: 50854, Stop: 52128, Start Num: 20

Candidate Starts for Squint_87:

(11, 50797), (Start: 19 @50839 has 1 MA's), (Start: 20 @50854 has 10 MA's), (21, 50857), (35, 50902), (Start: 58 @50941 has 1 MA's), (194, 51322), (237, 51406), (242, 51418), (243, 51421), (297, 51550), (349, 51670), (374, 51733), (381, 51751), (391, 51775), (423, 51847), (480, 52024), (481, 52027), (483, 52033), (488, 52051), (493, 52066), (496, 52075), (497, 52078), (513, 52123),

Gene: Stagni_36 Start: 26792, Stop: 25647, Start Num: 61

Candidate Starts for Stagni_36:

(Start: 61 @26792 has 119 MA's), (Start: 81 @26753 has 10 MA's), (99, 26705), (Start: 110 @26669 has 6 MA's), (122, 26624), (178, 26468), (184, 26441), (218, 26405), (243, 26348), (276, 26270), (285, 26246), (302, 26207), (324, 26135), (327, 26123), (330, 26117), (336, 26105), (375, 26030), (378, 26024), (385, 26003), (390, 25988), (398, 25970), (409, 25946), (461, 25832), (473, 25787), (474, 25784), (477, 25775), (481, 25754), (483, 25748), (486, 25736), (500, 25697),

Gene: StarStuff_37 Start: 26423, Stop: 25353, Start Num: 87

Candidate Starts for StarStuff_37:

(Start: 61 @26477 has 119 MA's), (Start: 87 @26423 has 14 MA's), (Start: 110 @26354 has 6 MA's), (178, 26153), (184, 26126), (218, 26090), (243, 26033), (252, 26006), (276, 25955), (292, 25922), (296, 25910), (302, 25892), (324, 25820), (330, 25802), (336, 25790), (363, 25751), (375, 25715), (378, 25709), (385, 25688), (390, 25673), (398, 25655), (410, 25628), (461, 25517), (474, 25469), (475, 25466), (481, 25439), (483, 25433), (486, 25421), (500, 25382),

Gene: StepMih_36 Start: 26783, Stop: 25638, Start Num: 61

Candidate Starts for StepMih_36:

(Start: 61 @26783 has 119 MA's), (Start: 81 @26744 has 10 MA's), (99, 26696), (Start: 110 @26660 has 6 MA's), (122, 26615), (178, 26459), (184, 26432), (218, 26396), (243, 26339), (276, 26261), (285, 26237), (302, 26198), (324, 26126), (327, 26114), (330, 26108), (336, 26096), (375, 26021), (378, 26015), (385, 25994), (390, 25979), (398, 25961), (409, 25937), (461, 25823), (473, 25778), (474, 25775), (477, 25766), (481, 25745), (483, 25739), (486, 25727), (500, 25688),

Gene: StuartMinion_28 Start: 20996, Stop: 19803, Start Num: 56

Candidate Starts for StuartMinion_28:

(Start: 56 @20996 has 82 MA's), (213, 20567), (306, 20336), (348, 20237), (387, 20132), (390, 20120), (465, 19961), (505, 19832),

Gene: Stuck_46 Start: 36731, Stop: 35529, Start Num: 57

Candidate Starts for Stuck_46:

(Start: 57 @36731 has 7 MA's), (89, 36656), (100, 36626), (Start: 110 @36602 has 6 MA's), (176, 36410), (177, 36407), (203, 36344), (253, 36209), (260, 36188), (285, 36134), (287, 36128), (330, 36005), (417, 35822), (420, 35819), (421, 35816), (430, 35795), (445, 35759), (455, 35732), (456, 35726), (466, 35693), (469, 35678), (486, 35612), (493, 35591),

Gene: Success_11 Start: 8095, Stop: 6848, Start Num: 63

Candidate Starts for Success_11:

(Start: 63 @8095 has 2 MA's), (Start: 110 @7975 has 6 MA's), (267, 7570), (284, 7537), (286, 7528), (307, 7474), (323, 7420), (329, 7402), (340, 7381), (362, 7336), (380, 7285), (432, 7162), (478, 6976), (485, 6955), (501, 6907),

Gene: Suerte_34 Start: 29564, Stop: 28395, Start Num: 56

Candidate Starts for Suerte_34:

(Start: 56 @29564 has 82 MA's), (117, 29402), (175, 29240), (180, 29222), (207, 29156), (212, 29138), (216, 29123), (237, 29078), (251, 29039), (254, 29030), (264, 29009), (266, 29006), (307, 28922), (386, 28739), (389, 28727), (404, 28691), (420, 28661), (454, 28604), (458, 28592), (462, 28577), (486, 28487), (500, 28451), (515, 28412), (518, 28403),

Gene: Superchunk_33 Start: 24997, Stop: 23882, Start Num: 65

Candidate Starts for Superchunk_33:

(Start: 65 @24997 has 8 MA's), (Start: 87 @24949 has 14 MA's), (99, 24916), (Start: 110 @24880 has 6 MA's), (122, 24835), (180, 24667), (184, 24652), (218, 24616), (237, 24574), (242, 24562), (243, 24559), (280, 24472), (285, 24457), (330, 24328), (336, 24316), (354, 24295), (363, 24277), (375, 24241), (385, 24214), (390, 24199), (398, 24181), (410, 24154), (461, 24043), (474, 23995), (481, 23965), (483, 23959), (486, 23947), (500, 23908),

Gene: Superphikiman_84 Start: 49930, Stop: 51219, Start Num: 19

Candidate Starts for Superphikiman_84:

(11, 49888), (Start: 19 @49930 has 1 MA's), (Start: 20 @49945 has 10 MA's), (21, 49948), (35, 49993), (Start: 58 @50032 has 1 MA's), (194, 50413), (237, 50497), (242, 50509), (243, 50512), (297, 50641), (349, 50761), (374, 50824), (381, 50842), (391, 50866), (423, 50938), (480, 51115), (481, 51118), (483, 51124), (488, 51142), (493, 51157), (496, 51166), (497, 51169), (513, 51214),

Gene: SweetiePie_34 Start: 26396, Stop: 25329, Start Num: 87

Candidate Starts for SweetiePie_34:

(Start: 23 @26513 has 2 MA's), (Start: 61 @26450 has 119 MA's), (Start: 87 @26396 has 14 MA's), (Start: 110 @26327 has 6 MA's), (122, 26282), (165, 26156), (181, 26108), (184, 26099), (218, 26063), (242, 26009), (243, 26006), (296, 25883), (302, 25865), (310, 25835), (327, 25781), (330, 25775), (336, 25763), (375, 25688), (378, 25682), (385, 25661), (390, 25646), (398, 25628), (410, 25601), (461, 25490), (474, 25442), (481, 25412), (483, 25406), (486, 25394), (500, 25355),

Gene: SwirlSquare_34 Start: 25021, Stop: 23906, Start Num: 65

Candidate Starts for SwirlSquare_34:

(Start: 65 @25021 has 8 MA's), (99, 24940), (Start: 110 @24904 has 6 MA's), (122, 24859), (152, 24772), (178, 24703), (180, 24691), (181, 24685), (218, 24640), (225, 24622), (237, 24598), (242, 24586), (243, 24583), (330, 24352), (336, 24340), (375, 24265), (385, 24238), (390, 24223), (398, 24205), (410, 24178), (474, 24019), (481, 23989), (483, 23983), (486, 23971), (500, 23932),

Gene: TNguyen7_33 Start: 26286, Stop: 25138, Start Num: 45

Candidate Starts for TNguyen7_33:

(Start: 45 @26286 has 2 MA's), (Start: 53 @26277 has 6 MA's), (Start: 110 @26142 has 6 MA's), (122, 26097), (178, 25941), (182, 25920), (184, 25914), (218, 25878), (243, 25821), (276, 25743), (324, 25608), (330, 25590), (336, 25578), (363, 25539), (375, 25503), (378, 25497), (385, 25476), (390, 25461), (398, 25443), (410, 25416), (461, 25305), (474, 25257), (481, 25227), (483, 25221), (486, 25209), (500, 25170),

Gene: TPA4_37 Start: 32608, Stop: 31376, Start Num: 56

Candidate Starts for TPA4_37:

(Start: 51 @32614 has 1 MA's), (Start: 56 @32608 has 82 MA's), (216, 32161), (237, 32116), (291, 32005), (307, 31960), (328, 31879), (342, 31855), (345, 31849), (355, 31831), (387, 31741), (424, 31654), (443, 31603), (450, 31582), (454, 31570), (481, 31471), (486, 31453), (497, 31426),

Gene: TZGordon_39 Start: 27285, Stop: 26170, Start Num: 79

Candidate Starts for TZGordon_39:

(Start: 79 @27285 has 12 MA's), (196, 26946), (223, 26913), (347, 26619), (353, 26607), (431, 26427), (477, 26256), (483, 26229),

Gene: Taotie_123 Start: 63098, Stop: 61953, Start Num: 77

Candidate Starts for Taotie_123:

(77, 63098), (279, 62546), (307, 62474), (332, 62393), (349, 62375), (363, 62351), (375, 62315), (385, 62288), (487, 62036), (493, 62015),

Gene: TarsusIV_33 Start: 26409, Stop: 25285, Start Num: 61

Candidate Starts for TarsusIV_33:

(25, 26469), (Start: 34 @26451 has 1 MA's), (Start: 61 @26409 has 119 MA's), (Start: 110 @26286 has 6 MA's), (122, 26241), (178, 26085), (184, 26058), (218, 26022), (243, 25965), (276, 25887), (292, 25854), (296, 25842), (302, 25824), (330, 25734), (331, 25731), (336, 25722), (375, 25647), (385, 25620), (390, 25605), (398, 25587), (461, 25449), (474, 25401), (475, 25398), (481, 25371), (483, 25365), (486, 25353), (500, 25314),

Gene: Taurus_36 Start: 26750, Stop: 25644, Start Num: 81

Candidate Starts for Taurus_36:

(Start: 61 @26789 has 119 MA's), (Start: 81 @26750 has 10 MA's), (99, 26702), (Start: 110 @26666 has 6 MA's), (122, 26621), (178, 26465), (184, 26438), (218, 26402), (243, 26345), (276, 26267), (285, 26243), (302, 26204), (324, 26132), (327, 26120), (330, 26114), (336, 26102), (375, 26027), (378, 26021), (385, 26000), (390, 25985), (398, 25967), (409, 25943), (461, 25829), (473, 25784), (474, 25781), (477, 25772), (481, 25751), (483, 25745), (486, 25733), (500, 25694),

Gene: TaylorSipht_34 Start: 24061, Stop: 22877, Start Num: 56

Candidate Starts for TaylorSipht_34:

(Start: 56 @24061 has 82 MA's), (186, 23707), (209, 23644), (213, 23632), (219, 23617), (281, 23464), (333, 23323), (348, 23302), (383, 23209), (387, 23197), (462, 23035), (465, 23026),

Gene: Terrific_37 Start: 26823, Stop: 25690, Start Num: 61

Candidate Starts for Terrific_37:

(Start: 61 @26823 has 119 MA's), (Start: 87 @26769 has 14 MA's), (Start: 110 @26700 has 6 MA's), (122, 26655), (178, 26499), (184, 26472), (218, 26436), (243, 26379), (296, 26256), (302, 26238), (330, 26148), (336, 26136), (375, 26061), (378, 26055), (385, 26034), (390, 26019), (398, 26001), (410, 25974), (414, 25965), (461, 25863), (474, 25815), (481, 25785), (483, 25779), (486, 25767), (500, 25728),

Gene: ThulaThula_35 Start: 29873, Stop: 28671, Start Num: 57

Candidate Starts for ThulaThula_35:

(Start: 57 @29873 has 7 MA's), (89, 29798), (100, 29768), (Start: 110 @29744 has 6 MA's), (132, 29663), (177, 29549), (203, 29486), (253, 29351), (287, 29270), (310, 29207), (332, 29141), (417, 28964), (420, 28961), (421, 28958), (430, 28937), (445, 28901), (447, 28898), (456, 28868), (466, 28835), (469, 28820), (486, 28754), (493, 28733),

Gene: Tiffany_36 Start: 26675, Stop: 25530, Start Num: 61

Candidate Starts for Tiffany_36:

(Start: 61 @26675 has 119 MA's), (Start: 81 @26636 has 10 MA's), (99, 26588), (Start: 110 @26552 has 6 MA's), (122, 26507), (178, 26351), (184, 26324), (218, 26288), (243, 26231), (276, 26153), (285, 26129), (302, 26090), (324, 26018), (327, 26006), (330, 26000), (336, 25988), (375, 25913), (378, 25907), (385, 25886), (390, 25871), (398, 25853), (409, 25829), (461, 25715), (473, 25670), (474, 25667), (477, 25658), (481, 25637), (483, 25631), (486, 25619), (500, 25580),

Gene: TinaFeyge_33 Start: 26292, Stop: 25126, Start Num: 32

Candidate Starts for TinaFeyge_33:

(Start: 32 @26292 has 3 MA's), (47, 26265), (Start: 61 @26247 has 119 MA's), (Start: 92 @26178 has 8 MA's), (Start: 110 @26124 has 6 MA's), (181, 25905), (184, 25896), (218, 25860), (237, 25818), (242, 25806), (243, 25803), (276, 25725), (324, 25590), (330, 25572), (375, 25485), (385, 25458), (390, 25443), (398, 25425), (461, 25287), (474, 25239), (481, 25209), (483, 25203), (486, 25191), (500, 25152),

Gene: TinaLin_36 Start: 26813, Stop: 25707, Start Num: 79

Candidate Starts for TinaLin_36:

(Start: 79 @26813 has 12 MA's), (112, 26726), (191, 26492), (235, 26429), (239, 26417), (263, 26366), (323, 26204), (347, 26156), (401, 26027), (423, 25979), (451, 25883), (477, 25793), (483, 25766),

Gene: TopsytheTRex_33 Start: 25948, Stop: 24836, Start Num: 61

Candidate Starts for TopsytheTRex_33:

(Start: 61 @25948 has 119 MA's), (97, 25870), (Start: 110 @25825 has 6 MA's), (122, 25780), (143, 25720), (184, 25597), (218, 25561), (242, 25507), (243, 25504), (296, 25381), (297, 25378), (302, 25363), (327, 25279), (330, 25273), (375, 25198), (385, 25171), (390, 25156), (398, 25138), (410, 25111), (461, 25000), (474, 24952), (475, 24949), (477, 24943), (481, 24922), (483, 24916), (486, 24904), (500, 24865), (503, 24856),

Gene: Toad24_36 Start: 25330, Stop: 24146, Start Num: 56

Candidate Starts for Toad24_36:

(Start: 56 @25330 has 82 MA's), (137, 25111), (145, 25093), (186, 24976), (213, 24901), (348, 24571), (383, 24478), (387, 24466), (394, 24448), (454, 24331), (465, 24295),

Gene: Tomathan_37 Start: 26420, Stop: 25350, Start Num: 87

Candidate Starts for Tomathan_37:

(Start: 61 @26474 has 119 MA's), (Start: 87 @26420 has 14 MA's), (Start: 110 @26351 has 6 MA's), (178, 26150), (184, 26123), (218, 26087), (242, 26033), (243, 26030), (252, 26003), (276, 25952), (292, 25919), (296, 25907), (302, 25889), (330, 25799), (336, 25787), (363, 25748), (375, 25712), (378, 25706), (385, 25685), (390, 25670), (398, 25652), (410, 25625), (461, 25514), (474, 25466), (475, 25463), (481, 25436), (483, 25430), (486, 25418), (500, 25379),

Gene: Tortellini_32 Start: 30878, Stop: 29682, Start Num: 56

Candidate Starts for Tortellini_32:

(Start: 56 @30878 has 82 MA's), (145, 30632), (156, 30599), (206, 30461), (207, 30455), (211, 30446), (216, 30434), (230, 30404), (269, 30305), (299, 30233), (306, 30212), (314, 30179), (330, 30128), (332, 30122), (376, 30029), (406, 29954), (417, 29933), (451, 29876), (454, 29867), (462, 29840), (466, 29828), (477, 29789), (491, 29735), (500, 29714),

Gene: Travvers_37 Start: 26420, Stop: 25350, Start Num: 87

Candidate Starts for Travvers_37:

(Start: 61 @26474 has 119 MA's), (Start: 87 @26420 has 14 MA's), (Start: 110 @26351 has 6 MA's), (178, 26150), (179, 26147), (184, 26123), (218, 26087), (243, 26030), (252, 26003), (276, 25952), (292, 25919), (296, 25907), (302, 25889), (324, 25817), (330, 25799), (336, 25787), (375, 25712), (378, 25706), (385, 25685), (390, 25670), (398, 25652), (410, 25625), (461, 25514), (474, 25466), (475, 25463), (481, 25436), (483, 25430), (486, 25418), (500, 25379),

Gene: Trax_8 Start: 3425, Stop: 2322, Start Num: 79

Candidate Starts for Trax_8:

(69, 3452), (Start: 79 @3425 has 12 MA's), (84, 3413), (105, 3359), (111, 3344), (118, 3320), (125, 3293), (174, 3167), (199, 3095), (239, 3032), (244, 3020), (263, 2981), (299, 2897), (306, 2876), (335,

2789), (369, 2720), (374, 2708), (416, 2612), (429, 2588), (444, 2528), (454, 2492), (459, 2477), (469, 2438), (479, 2396),

Gene: TripleJ_37 Start: 28096, Stop: 26960, Start Num: 68

Candidate Starts for TripleJ_37:

(Start: 68 @28096 has 3 MA's), (96, 28030), (118, 27955), (123, 27934), (127, 27925), (140, 27889), (148, 27868), (170, 27805), (188, 27748), (194, 27730), (228, 27694), (242, 27664), (247, 27649), (251, 27637), (258, 27616), (276, 27580), (277, 27577), (285, 27556), (303, 27514), (304, 27511), (310, 27487), (324, 27448), (330, 27430), (387, 27322), (408, 27271), (469, 27130), (471, 27121), (488, 27058), (514, 26989), (517, 26983),

Gene: Tristan_35 Start: 28130, Stop: 26997, Start Num: 53

Candidate Starts for Tristan_35:

(Start: 53 @28130 has 6 MA's), (Start: 110 @27995 has 6 MA's), (122, 27950), (124, 27944), (135, 27905), (178, 27794), (184, 27767), (218, 27731), (237, 27689), (243, 27674), (276, 27596), (330, 27443), (336, 27431), (375, 27356), (378, 27350), (385, 27329), (390, 27314), (398, 27296), (422, 27245), (461, 27158), (474, 27110), (481, 27080), (483, 27074), (486, 27062), (500, 27023),

Gene: Trixie_35 Start: 27323, Stop: 26259, Start Num: 87

Candidate Starts for Trixie_35:

(Start: 61 @27377 has 119 MA's), (Start: 87 @27323 has 14 MA's), (Start: 110 @27254 has 6 MA's), (122, 27209), (178, 27053), (180, 27041), (184, 27026), (218, 26990), (237, 26948), (242, 26936), (243, 26933), (247, 26921), (276, 26855), (292, 26822), (302, 26792), (330, 26702), (331, 26699), (336, 26690), (354, 26669), (375, 26615), (385, 26588), (390, 26573), (398, 26555), (461, 26417), (474, 26369), (475, 26366), (481, 26339), (483, 26333), (486, 26321), (500, 26282),

Gene: Trooper_35 Start: 26605, Stop: 25538, Start Num: 87

Candidate Starts for Trooper_35:

(Start: 23 @26722 has 2 MA's), (Start: 61 @26659 has 119 MA's), (Start: 87 @26605 has 14 MA's), (Start: 110 @26536 has 6 MA's), (122, 26491), (178, 26335), (218, 26272), (247, 26203), (264, 26161), (276, 26137), (302, 26074), (330, 25984), (336, 25972), (375, 25897), (378, 25891), (385, 25870), (390, 25855), (398, 25837), (410, 25810), (461, 25699), (473, 25654), (474, 25651), (475, 25648), (481, 25621), (483, 25615), (486, 25603), (500, 25564),

Gene: TroyPia_33 Start: 26250, Stop: 25129, Start Num: 61

Candidate Starts for TroyPia_33:

(Start: 32 @26295 has 3 MA's), (47, 26268), (Start: 61 @26250 has 119 MA's), (Start: 92 @26181 has 8 MA's), (Start: 110 @26127 has 6 MA's), (181, 25908), (184, 25899), (218, 25863), (237, 25821), (242, 25809), (243, 25806), (276, 25728), (324, 25593), (330, 25575), (375, 25488), (385, 25461), (390, 25446), (398, 25428), (461, 25290), (474, 25242), (481, 25212), (483, 25206), (486, 25194), (500, 25155),

Gene: Turbido_34 Start: 26644, Stop: 25511, Start Num: 50

Candidate Starts for Turbido_34:

(Start: 38 @26662 has 7 MA's), (Start: 50 @26644 has 5 MA's), (Start: 92 @26560 has 8 MA's), (Start: 110 @26512 has 6 MA's), (122, 26467), (184, 26284), (218, 26248), (243, 26191), (247, 26179), (252, 26164), (292, 26080), (296, 26068), (302, 26050), (330, 25960), (336, 25948), (375, 25873), (378, 25867), (385, 25846), (390, 25831), (398, 25813), (410, 25786), (461, 25675), (474, 25627), (475, 25624), (481, 25597), (483, 25591), (486, 25579), (500, 25540),

Gene: TurkishDelight_52 Start: 44050, Stop: 45588, Start Num: 8

Candidate Starts for TurkishDelight_52:

(1, 43657), (5, 43954), (Start: 8 @44050 has 1 MA's), (13, 44173), (59, 44323), (69, 44344), (101, 44425), (149, 44578), (160, 44611), (161, 44614), (203, 44731), (244, 44851), (255, 44884), (262, 44905), (277, 44947), (315, 45058), (332, 45106), (352, 45124), (362, 45142), (372, 45172), (434, 45325), (449, 45358), (461, 45400), (477, 45457), (492, 45514), (505, 45550), (510, 45568),

Gene: Ubuntu_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for Ubuntu_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184, 26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: Updawg_35 Start: 26811, Stop: 25678, Start Num: 61

Candidate Starts for Updawg_35:

(Start: 61 @26811 has 119 MA's), (Start: 87 @26757 has 14 MA's), (Start: 110 @26688 has 6 MA's), (122, 26643), (178, 26487), (184, 26460), (218, 26424), (243, 26367), (296, 26244), (302, 26226), (330, 26136), (336, 26124), (375, 26049), (378, 26043), (385, 26022), (390, 26007), (398, 25989), (410, 25962), (414, 25953), (461, 25851), (474, 25803), (481, 25773), (483, 25767), (486, 25755), (500, 25716),

Gene: VA6_33 Start: 26411, Stop: 25287, Start Num: 61

Candidate Starts for VA6_33:

(28, 26465), (Start: 61 @26411 has 119 MA's), (Start: 87 @26357 has 14 MA's), (Start: 110 @26288 has 6 MA's), (178, 26087), (184, 26060), (218, 26024), (242, 25970), (243, 25967), (252, 25940), (276, 25889), (292, 25856), (296, 25844), (302, 25826), (324, 25754), (330, 25736), (336, 25724), (363, 25685), (375, 25649), (378, 25643), (385, 25622), (390, 25607), (398, 25589), (410, 25562), (461, 25451), (474, 25403), (475, 25400), (481, 25373), (483, 25367), (486, 25355), (500, 25316),

Gene: VC3_36 Start: 26399, Stop: 25275, Start Num: 61

Candidate Starts for VC3_36:

(28, 26453), (Start: 61 @26399 has 119 MA's), (Start: 87 @26345 has 14 MA's), (Start: 110 @26276 has 6 MA's), (178, 26075), (184, 26048), (218, 26012), (242, 25958), (243, 25955), (252, 25928), (276, 25877), (292, 25844), (296, 25832), (302, 25814), (324, 25742), (330, 25724), (336, 25712), (363, 25673), (375, 25637), (378, 25631), (385, 25610), (390, 25595), (398, 25577), (410, 25550), (461, 25439), (474, 25391), (475, 25388), (481, 25361), (483, 25355), (486, 25343), (500, 25304),

Gene: VWB_31 Start: 27412, Stop: 26129, Start Num: 30

Candidate Starts for VWB_31:

(Start: 30 @27412 has 2 MA's), (49, 27379), (67, 27346), (184, 27001), (200, 26962), (227, 26926), (233, 26914), (278, 26815), (298, 26767), (332, 26659), (338, 26650), (385, 26542), (419, 26464), (446, 26371), (454, 26347), (456, 26329), (461, 26311), (468, 26287), (476, 26257), (477, 26254), (482, 26230), (485, 26221), (492, 26197), (496, 26185), (500, 26173), (516, 26134),

Gene: VanLee_32 Start: 27924, Stop: 26788, Start Num: 56

Candidate Starts for VanLee_32:

(Start: 56 @27924 has 82 MA's), (78, 27870), (86, 27852), (137, 27702), (164, 27630), (213, 27489), (216, 27477), (219, 27474), (222, 27462), (251, 27393), (306, 27291), (307, 27288), (314, 27258), (425, 27015), (426, 27012), (453, 26976), (459, 26955), (503, 26808),

Gene: Vasanti_37 Start: 29057, Stop: 27888, Start Num: 56

Candidate Starts for Vasanti_37:

(Start: 56 @29057 has 82 MA's), (145, 28814), (174, 28733), (184, 28697), (189, 28685), (208, 28643), (209, 28637), (213, 28625), (216, 28613), (251, 28529), (254, 28520), (256, 28514), (270, 28484), (306, 28415), (307, 28412), (314, 28382), (337, 28331), (375, 28259), (386, 28229), (454, 28097), (458, 28085), (481, 27998), (484, 27989), (500, 27944), (515, 27905),

Gene: Vendetta_37 Start: 27965, Stop: 26850, Start Num: 79

Candidate Starts for Vendetta_37:

(46, 28034), (Start: 79 @27965 has 12 MA's), (196, 27626), (223, 27593), (347, 27299), (353, 27287), (367, 27254), (431, 27107), (477, 26936), (483, 26909),

Gene: Vix_36 Start: 26872, Stop: 25727, Start Num: 61

Candidate Starts for Vix_36:

(Start: 61 @26872 has 119 MA's), (Start: 81 @26833 has 10 MA's), (99, 26785), (Start: 110 @26749 has 6 MA's), (122, 26704), (178, 26548), (184, 26521), (218, 26485), (243, 26428), (276, 26350), (285, 26326), (302, 26287), (324, 26215), (327, 26203), (330, 26197), (336, 26185), (375, 26110), (378, 26104), (385, 26083), (390, 26068), (398, 26050), (409, 26026), (461, 25912), (473, 25867), (474, 25864), (477, 25855), (481, 25834), (483, 25828), (486, 25816), (500, 25777),

Gene: Vulpecula_33 Start: 24379, Stop: 23195, Start Num: 56

Candidate Starts for Vulpecula_33:

(Start: 56 @24379 has 82 MA's), (137, 24160), (186, 24025), (213, 23950), (219, 23935), (301, 23734), (383, 23527), (387, 23515), (394, 23497), (400, 23482), (454, 23380), (462, 23353), (465, 23344),

Gene: Watson_36 Start: 26782, Stop: 25637, Start Num: 61

Candidate Starts for Watson_36:

(Start: 61 @26782 has 119 MA's), (Start: 81 @26743 has 10 MA's), (Start: 110 @26659 has 6 MA's), (122, 26614), (178, 26458), (184, 26431), (218, 26395), (243, 26338), (276, 26260), (285, 26236), (302, 26197), (324, 26125), (327, 26113), (330, 26107), (336, 26095), (375, 26020), (378, 26014), (385, 25993), (390, 25978), (398, 25960), (409, 25936), (461, 25822), (473, 25777), (474, 25774), (477, 25765), (481, 25744), (483, 25738), (486, 25726), (500, 25687),

Gene: Webster2_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for Webster2_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184, 26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: WeiHuaDA_38 Start: 28048, Stop: 26930, Start Num: 61

Candidate Starts for WeiHuaDA_38:

(Start: 61 @28048 has 119 MA's), (Start: 110 @27925 has 6 MA's), (122, 27880), (178, 27724), (184, 27697), (218, 27661), (243, 27604), (276, 27526), (292, 27493), (302, 27463), (330, 27373), (336, 27361), (360, 27328), (375, 27286), (385, 27259), (390, 27244), (398, 27226), (461, 27088), (474, 27040), (475, 27037), (481, 27010), (483, 27004), (486, 26992), (500, 26953),

Gene: Westrich_40 Start: 25013, Stop: 23829, Start Num: 56

Candidate Starts for Westrich_40:

(Start: 56 @25013 has 82 MA's), (137, 24794), (145, 24776), (186, 24659), (213, 24584), (348, 24254), (383, 24161), (387, 24149), (394, 24131), (454, 24014), (465, 23978),

Gene: Whabigail7_34 Start: 26650, Stop: 25499, Start Num: 38

Candidate Starts for Whabigail7_34:

(Start: 38 @26650 has 7 MA's), (Start: 50 @26632 has 5 MA's), (Start: 92 @26548 has 8 MA's), (Start: 110 @26500 has 6 MA's), (122, 26455), (184, 26272), (218, 26236), (243, 26179), (247, 26167), (252, 26152), (292, 26068), (296, 26056), (302, 26038), (330, 25948), (336, 25936), (375, 25861), (378, 25855), (385, 25834), (390, 25819), (398, 25801), (410, 25774), (461, 25663), (474, 25615), (475, 25612), (481, 25585), (483, 25579), (486, 25567), (500, 25528),

Gene: WheatThin_39 Start: 31322, Stop: 30051, Start Num: 56

Candidate Starts for WheatThin_39:

(Start: 56 @31322 has 82 MA's), (Start: 63 @31307 has 2 MA's), (103, 31205), (116, 31163), (120, 31151), (145, 31076), (171, 31001), (175, 30992), (180, 30974), (216, 30875), (219, 30872), (254, 30782), (306, 30677), (335, 30581), (339, 30575), (404, 30413), (458, 30272), (470, 30227), (484, 30176), (486, 30167), (491, 30152), (497, 30140), (501, 30128), (519, 30089),

Gene: WideWale_35 Start: 26811, Stop: 25678, Start Num: 61

Candidate Starts for WideWale_35:

(Start: 61 @26811 has 119 MA's), (Start: 87 @26757 has 14 MA's), (Start: 110 @26688 has 6 MA's), (122, 26643), (178, 26487), (184, 26460), (218, 26424), (243, 26367), (296, 26244), (302, 26226), (330, 26136), (336, 26124), (375, 26049), (378, 26043), (385, 26022), (390, 26007), (398, 25989), (410, 25962), (414, 25953), (461, 25851), (474, 25803), (481, 25773), (483, 25767), (486, 25755), (500, 25716),

Gene: WileyE_35 Start: 24249, Stop: 23065, Start Num: 56

Candidate Starts for WileyE_35:

(Start: 56 @24249 has 82 MA's), (80, 24192), (137, 24030), (141, 24021), (186, 23895), (209, 23832), (213, 23820), (219, 23805), (254, 23715), (301, 23604), (333, 23511), (383, 23397), (387, 23385), (394, 23367), (462, 23223), (465, 23214),

Gene: Wishmaker_29 Start: 26478, Stop: 25285, Start Num: 66

Candidate Starts for Wishmaker_29:

(Start: 39 @26520 has 2 MA's), (Start: 66 @26478 has 21 MA's), (Start: 92 @26412 has 8 MA's), (119, 26331), (129, 26292), (133, 26277), (136, 26271), (142, 26259), (152, 26232), (163, 26199), (184, 26142), (201, 26109), (203, 26106), (216, 26058), (237, 26016), (238, 26013), (247, 25989), (252, 25974), (260, 25950), (268, 25935), (285, 25896), (292, 25884), (305, 25845), (315, 25806), (332, 25758), (334, 25755), (375, 25683), (378, 25677), (382, 25665), (383, 25662), (385, 25656), (406, 25602), (415, 25584), (417, 25581), (430, 25554), (437, 25536), (440, 25530), (442, 25527), (456, 25485), (464, 25458), (466, 25452), (479, 25395), (500, 25332), (501, 25329),

Gene: Wooldri_38 Start: 26701, Stop: 25556, Start Num: 61

Candidate Starts for Wooldri_38:

(Start: 61 @26701 has 119 MA's), (Start: 81 @26662 has 10 MA's), (Start: 110 @26578 has 6 MA's), (122, 26533), (178, 26377), (184, 26350), (218, 26314), (243, 26257), (276, 26179), (285, 26155), (302, 26116), (324, 26044), (327, 26032), (330, 26026), (336, 26014), (375, 25939), (378, 25933), (385, 25912), (390, 25897), (398, 25879), (409, 25855), (461, 25741), (473, 25696), (474, 25693), (477, 25684), (481, 25663), (483, 25657), (486, 25645), (500, 25606),

Gene: Xavia_34 Start: 31565, Stop: 30369, Start Num: 56

Candidate Starts for Xavia_34:

(Start: 56 @31565 has 82 MA's), (145, 31319), (156, 31286), (206, 31148), (207, 31142), (211, 31133), (216, 31121), (230, 31091), (269, 30992), (299, 30920), (314, 30866), (330, 30815), (332, 30809), (376, 30716), (385, 30692), (406, 30641), (417, 30620), (451, 30563), (454, 30554), (462, 30527),

(466, 30515), (477, 30476), (491, 30422), (500, 30401),

Gene: XianYue_35 Start: 26639, Stop: 25515, Start Num: 62

Candidate Starts for XianYue_35:

(37, 26681), (Start: 62 @26639 has 4 MA's), (Start: 81 @26600 has 10 MA's), (99, 26552), (Start: 110 @26516 has 6 MA's), (122, 26471), (180, 26303), (218, 26252), (276, 26117), (285, 26093), (330, 25964), (336, 25952), (375, 25877), (378, 25871), (385, 25850), (390, 25835), (398, 25817), (461, 25679), (474, 25631), (481, 25601), (483, 25595), (486, 25583), (493, 25562), (500, 25544),

Gene: Yecey3_35 Start: 26339, Stop: 25209, Start Num: 53

Candidate Starts for Yecey3_35:

(14, 26456), (17, 26450), (21, 26414), (31, 26375), (33, 26372), (Start: 53 @26339 has 6 MA's), (Start: 92 @26258 has 8 MA's), (Start: 110 @26204 has 6 MA's), (122, 26159), (143, 26099), (184, 25976), (242, 25886), (243, 25883), (276, 25805), (285, 25781), (296, 25760), (302, 25742), (329, 25655), (330, 25652), (336, 25640), (375, 25565), (378, 25559), (385, 25538), (390, 25523), (398, 25505), (461, 25367), (474, 25319), (481, 25289), (483, 25283), (486, 25271), (500, 25232),

Gene: Yeezy_36 Start: 30168, Stop: 28906, Start Num: 56

Candidate Starts for Yeezy_36:

(Start: 56 @30168 has 82 MA's), (114, 30012), (179, 29829), (189, 29793), (213, 29733), (216, 29721), (237, 29676), (249, 29643), (266, 29601), (339, 29433), (342, 29430), (345, 29424), (375, 29355), (382, 29337), (383, 29334), (404, 29277), (450, 29160), (454, 29148), (470, 29091), (486, 29031), (491, 29016), (497, 29004), (500, 28995), (515, 28956), (522, 28926),

Gene: Zarafa_33 Start: 26366, Stop: 25239, Start Num: 61

Candidate Starts for Zarafa_33:

(Start: 61 @26366 has 119 MA's), (99, 26279), (Start: 110 @26243 has 6 MA's), (122, 26198), (143, 26138), (178, 26042), (180, 26030), (181, 26024), (218, 25979), (242, 25925), (243, 25922), (251, 25898), (324, 25709), (330, 25691), (336, 25679), (363, 25640), (375, 25604), (378, 25598), (385, 25577), (390, 25562), (398, 25544), (461, 25406), (474, 25358), (481, 25328), (483, 25322), (486, 25310), (500, 25271),

Gene: Zetzy_35 Start: 26308, Stop: 25202, Start Num: 81

Candidate Starts for Zetzy_35:

(Start: 34 @26389 has 1 MA's), (Start: 61 @26347 has 119 MA's), (Start: 81 @26308 has 10 MA's), (99, 26260), (Start: 110 @26224 has 6 MA's), (122, 26179), (184, 25996), (218, 25960), (243, 25903), (276, 25825), (296, 25780), (330, 25672), (336, 25660), (375, 25585), (378, 25579), (385, 25558), (390, 25543), (409, 25501), (461, 25387), (473, 25342), (474, 25339), (481, 25309), (483, 25303), (486, 25291), (500, 25252),

Gene: Zhuangyuan_38 Start: 24716, Stop: 23526, Start Num: 56

Candidate Starts for Zhuangyuan_38:

(Start: 56 @24716 has 82 MA's), (387, 23849), (390, 23837),

Gene: Zimmer_35 Start: 28186, Stop: 27065, Start Num: 62

Candidate Starts for Zimmer_35:

(31, 28237), (33, 28234), (41, 28216), (Start: 62 @28186 has 4 MA's), (Start: 110 @28066 has 6 MA's), (122, 28021), (131, 27985), (179, 27862), (184, 27838), (190, 27823), (243, 27745), (276, 27667), (285, 27643), (296, 27622), (302, 27604), (314, 27559), (324, 27532), (330, 27514), (336, 27502), (375, 27427), (378, 27421), (385, 27400), (390, 27385), (398, 27367), (410, 27340), (461, 27229), (474, 27181), (481, 27151), (483, 27145), (486, 27133), (500, 27094),

Gene: Zixiang_36 Start: 24695, Stop: 23511, Start Num: 56

Candidate Starts for Zixiang_36:

(Start: 56 @24695 has 82 MA's), (137, 24476), (145, 24458), (186, 24341), (213, 24266), (214, 24263), (348, 23936), (383, 23843), (387, 23831), (394, 23813), (454, 23696), (465, 23660),

Gene: Zodiariah_36 Start: 32793, Stop: 31624, Start Num: 56

Candidate Starts for Zodiariah_36:

(Start: 56 @32793 has 82 MA's), (161, 32505), (175, 32469), (186, 32430), (189, 32424), (207, 32385), (213, 32364), (216, 32352), (237, 32307), (251, 32268), (254, 32259), (262, 32244), (266, 32235), (289, 32199), (307, 32151), (389, 31956), (404, 31920), (454, 31833), (458, 31821), (486, 31716), (490, 31704), (515, 31641), (518, 31632),