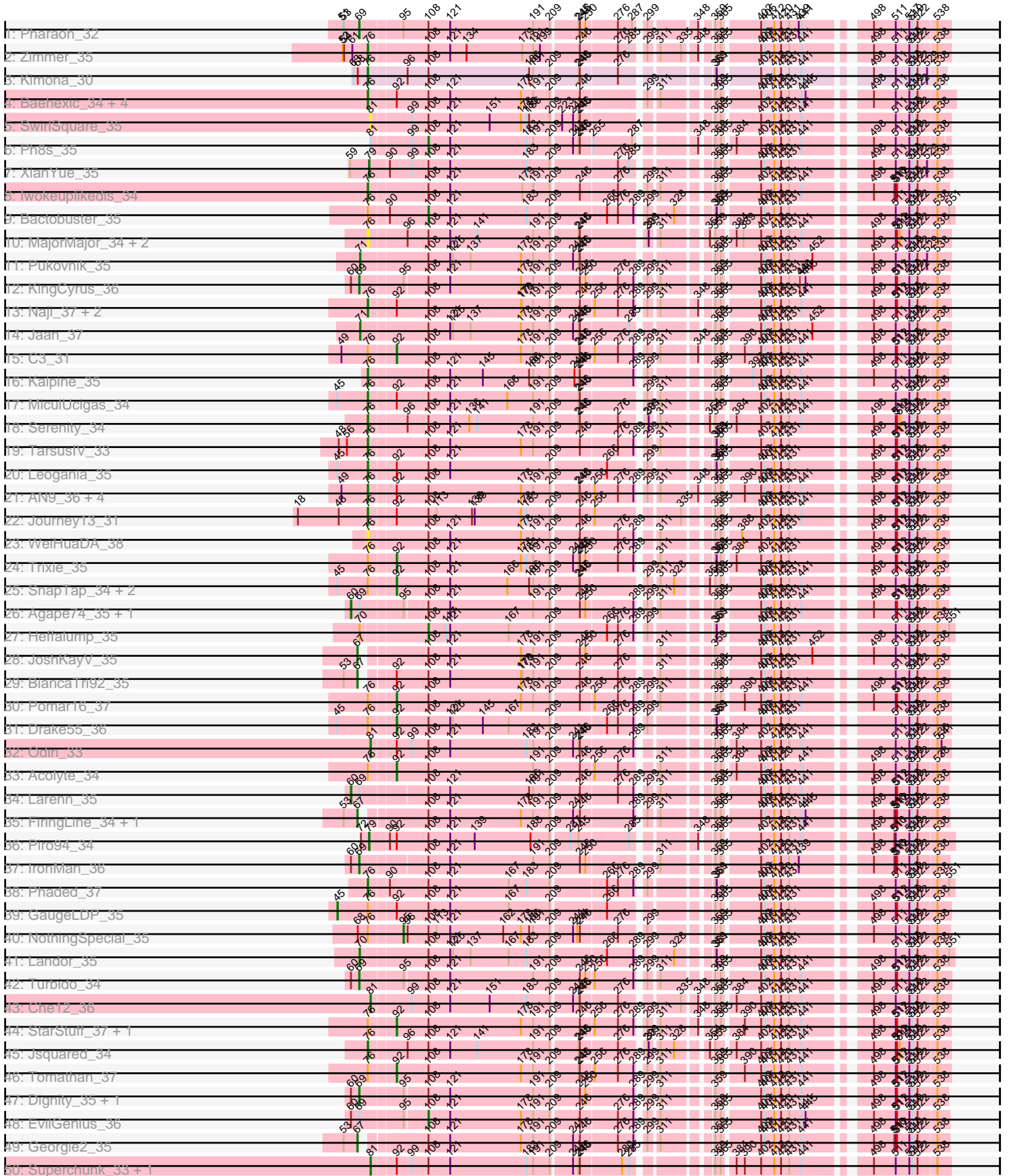
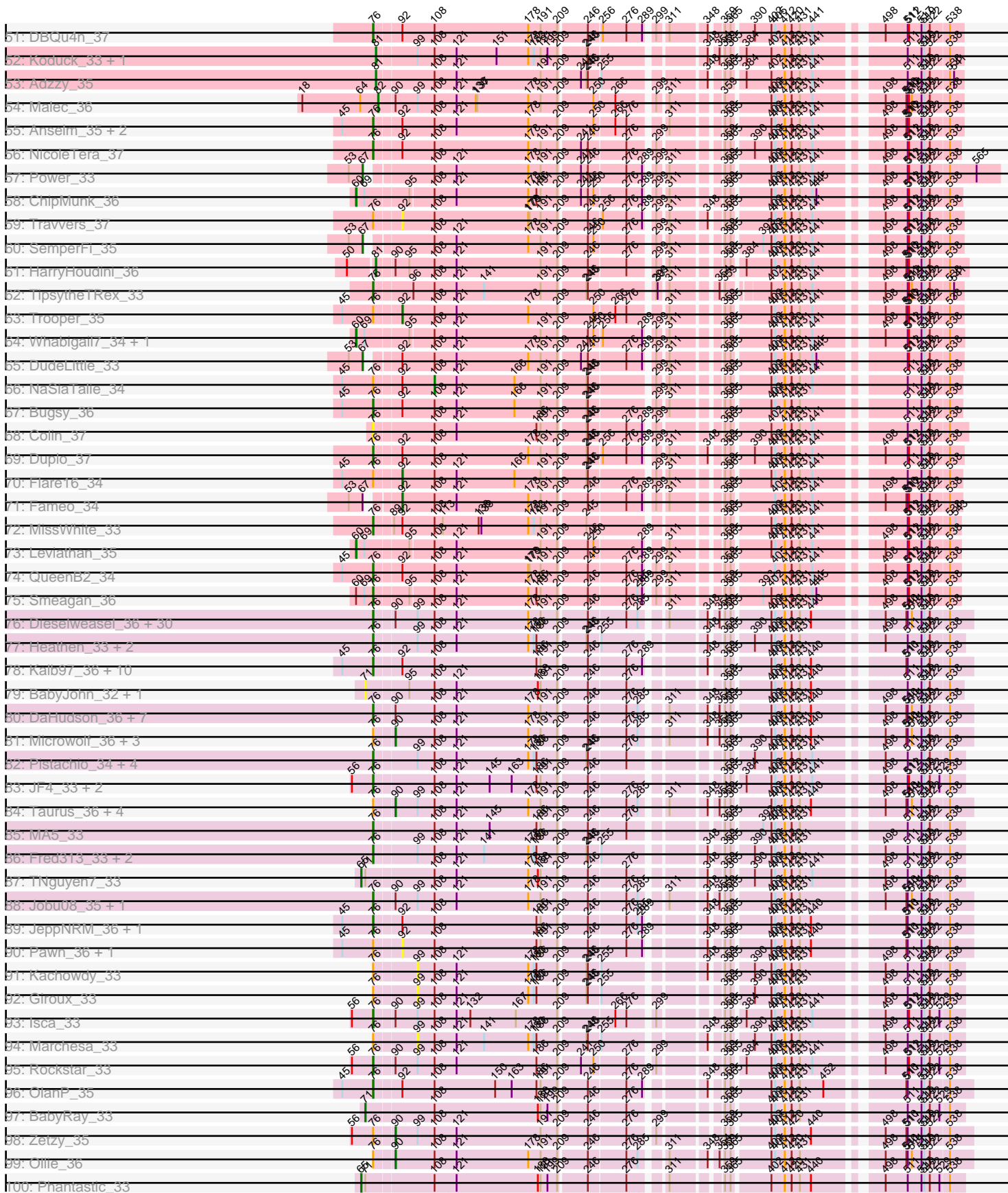


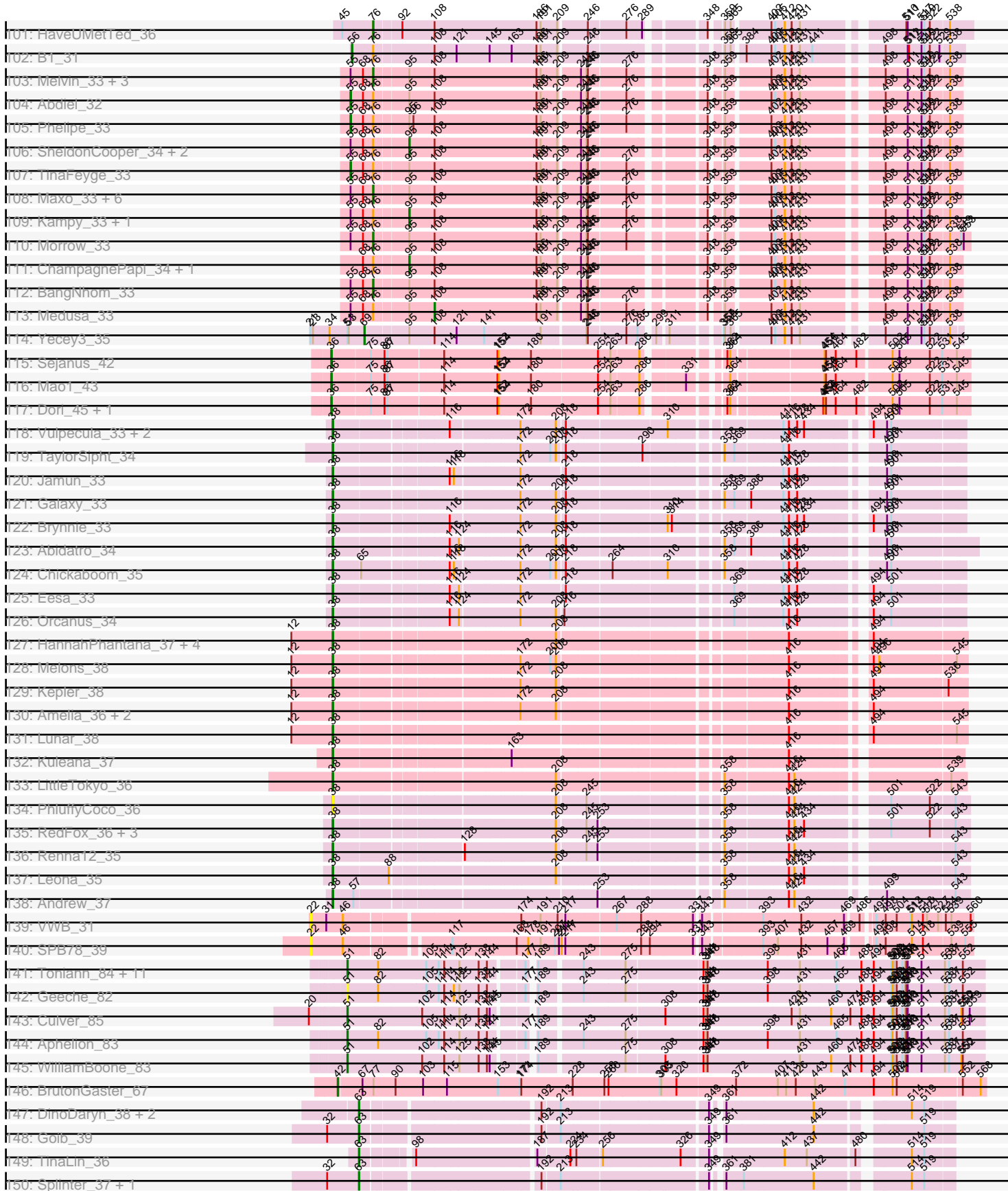
Pham 196196



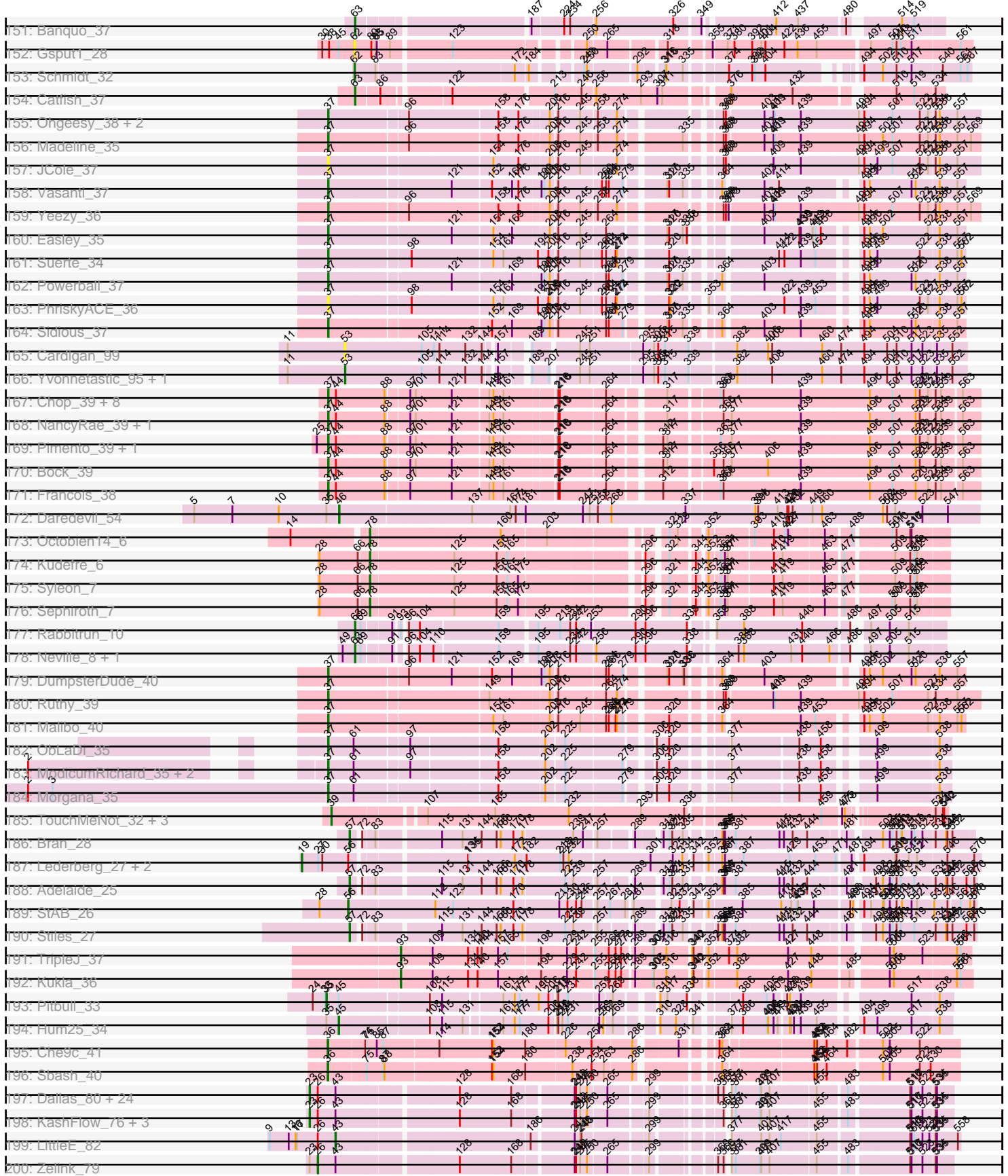
Pham 196196



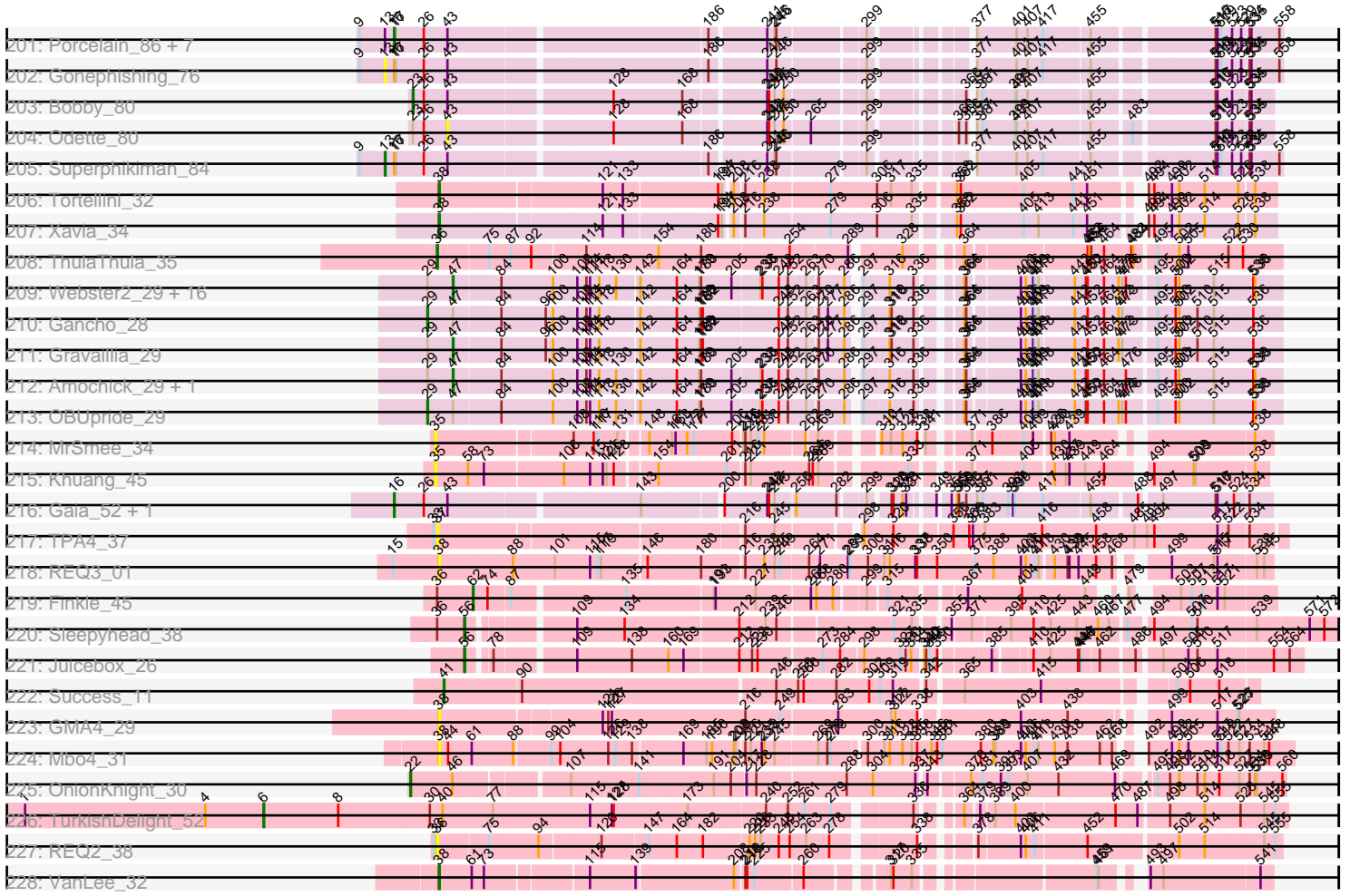
Pham 196196



Pham 196196



Pham 196196



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 196196 Report

This analysis was run 12/09/24 on database version 580.

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 196196 has 431 members, 45 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, Updawg_35, Equemioh13_35
- Track 5 : SwirlSquare_35
- Track 6 : Ph8s_35
- Track 7 : XianYue_35
- Track 8 : Iwokeuplikedis_34
- Track 9 : Bactobuster_35
- Track 10 : MajorMajor_34, Bradman_34, Quokka_33
- Track 11 : Pukovnik_35
- Track 12 : KingCyrus_36
- Track 13 : Naji_37, D29_33, D32_37
- Track 14 : Jaan_37
- Track 15 : C3_31
- Track 16 : Kalpine_35
- Track 17 : MiculUcigas_34
- Track 18 : Serenity_34
- Track 19 : TarsusIV_33
- Track 20 : Leogania_35
- Track 21 : AN9_36, VC3_36, ANI8_36, AN3_33, VA6_33
- Track 22 : Journey13_31
- Track 23 : WeiHuaDA_38
- Track 24 : Trixie_35
- Track 25 : SnapTap_34, Crucio_34, SweetiePie_34
- Track 26 : Agape74_35, AbbyPaige_35
- Track 27 : Heffalump_35
- Track 28 : JoshKayV_35
- Track 29 : BiancaTri92_35
- Track 30 : Pomar16_37
- Track 31 : Drake55_36
- Track 32 : Odin_33
- Track 33 : Acolyte_34

- Track 34 : Larenn_35
- Track 35 : FiringLine_34, QueenBeesly_34
- Track 36 : Piro94_34
- Track 37 : IronMan_36
- Track 38 : Phaded_37
- Track 39 : GaugeLDP_35
- Track 40 : NothingSpecial_35
- Track 41 : Landor_35
- Track 42 : Turbido_34
- Track 43 : Che12_36
- Track 44 : StarStuff_37, Kerberos_37
- Track 45 : Jsquared_34
- Track 46 : Tomathan_37
- Track 47 : Dignity_35, Jerm_35
- Track 48 : EvilGenius_36
- Track 49 : Georgie2_35
- Track 50 : Superchunk_33, Caraxes_33
- Track 51 : DBQu4n_37
- Track 52 : Koduck_33, L5_33
- Track 53 : Adzzy_35
- Track 54 : Malec_36
- Track 55 : Anselm_35, Retro23_35, Dalmatian_35
- Track 56 : NicoleTera_37
- Track 57 : Power_33
- Track 58 : ChipMunk_36
- Track 59 : Travvers_37
- Track 60 : SemperFi_35
- Track 61 : HarryHoudini_36
- Track 62 : TipsytheTRex_33
- Track 63 : Trooper_35
- Track 64 : Whabigail7_34, LilTurb_34
- Track 65 : DudeLittle_33
- Track 66 : NaSiaTalie_34
- Track 67 : Buggy_36
- Track 68 : Colin_37
- Track 69 : Duplo_37
- Track 70 : Flare16_34
- Track 71 : Fameo_34
- Track 72 : MissWhite_33
- Track 73 : Leviathan_35
- Track 74 : QueenB2_34
- Track 75 : Smeagan_36
- Track 76 : Dieselweasel_36, MuchMore_38, Colbster_36, Vix_36, Grum1_36, JHC117_36, Grif_36, Penny1_36, EpicPhail_36, LBerry_36, Tiffany_36, AugsMagnumOpus_38, Mainiac_36, Cullens_36, Stagni_36, LugYA_38, Sabia_36, Anubis_38, P28Green_36, Phoebe_36, SoYo_36, Beauxregard13_36, MoneyMay_36, Marie_36, Sabinator_36, Hercules11_36, StepMih_36, MadMarie_36, PotatoSplit_37, BreSam8_36, MarQuardt_36
- Track 77 : Heathen_33, HelDan_33, Puppy_34
- Track 78 : Kalb97_36, Reba_36, Manu_36, Groupthink_36, Kalnoky_36, Phranny_36, PurpleHaze_35, Marius_36, Heliosoles_35, PhishRPhriends_34, Gemma_35
- Track 79 : BabyJohn_32, Chiqui_32

- Track 80 : DaHudson_36, GtownJaz_36, Aglet_36, Pembroke_36, Watson_36, Wooldri_38, Grub_36, PGHhamlin_38
- Track 81 : Microwolf_36, Lilith_36, Malinsilva_38, Farber_36
- Track 82 : Pistachio_34, SaturnRing_33, BlueBird_34, Idleandcovert_33, Bugatti_33
- Track 83 : JF4_33, JF2_33, MK4_33
- Track 84 : Taurus_36, GinkgoMaracino_36, Snickers_36, Fernando_36, JenCasNa_36
- Track 85 : MA5_33
- Track 86 : Fred313_33, DropBear_33, Scout_33
- Track 87 : TNguyen7_33
- Track 88 : Jobu08_35, SoilDragon_35
- Track 89 : JeppNRM_36, ACFishhook_35
- Track 90 : Pawn_36, Calvinny_36
- Track 91 : Kachowdy_33
- Track 92 : Giroux_33
- Track 93 : Isca_33
- Track 94 : Marchesa_33
- Track 95 : Rockstar_33
- Track 96 : OlanP_35
- Track 97 : BabyRay_33
- Track 98 : Zetzy_35
- Track 99 : Ollie_36
- Track 100 : Phantastic_33
- Track 101 : HaveUMetTed_36
- Track 102 : B1_31
- Track 103 : Melvin_33, TroyPia_33, BellusTerra_33, Commander_33
- Track 104 : Abdiel_32
- Track 105 : Phelipe_33
- Track 106 : SheldonCooper_34, Obama12_34, Cerulean_34
- Track 107 : TinaFeyge_33
- Track 108 : Maxo_33, Eurydice_33, Eagle_32, Ohfah_33, Sparxx_33, Nebs_33, Polymorphads_33
- Track 109 : Kampy_33, LeoAvram_33
- Track 110 : Morrow_33
- Track 111 : ChampagnePapi_34, LHTSCC_34
- Track 112 : BangNhom_33
- Track 113 : Medusa_33
- Track 114 : Yecey3_35
- Track 115 : Sejanus_42
- Track 116 : Mao1_43
- Track 117 : Dori_45, Mask_46
- Track 118 : Vulpecula_33, Basilisk_34, Ruchi_33
- Track 119 : TaylorSipht_34
- Track 120 : Jamun_33
- Track 121 : Galaxy_33
- Track 122 : Brynnie_33
- Track 123 : Abidatro_34
- Track 124 : Chickaboom_35
- Track 125 : Eesa_33
- Track 126 : Orcanus_34
- Track 127 : HannahPhantana_37, Bedetta_40, Cote_38, Polka_36, Coral_36
- Track 128 : Melons_38
- Track 129 : Kepler_38

- Track 130 : Amelia_36, Daob_38, Colusalem_39
- Track 131 : Lunar_38
- Track 132 : Kuleana_37
- Track 133 : LittleTokyo_36
- Track 134 : PhluffyCoco_36
- Track 135 : RedFox_36, KHumphrey_36, Juno112_35, Camara_36
- Track 136 : Renna12_35
- Track 137 : Leona_35
- Track 138 : Andrew_37
- Track 139 : VWB_31
- Track 140 : SPB78_39
- Track 141 : Toniann_84, Dusty_80, Bachita_85, Lozinak_84, Abscondus_83, Norvs_84, Smoothie_85, PhinkBoden_83, Miskis_80, Cucurbita_85, ClubL_83, Engineer_85
- Track 142 : Geeche_82
- Track 143 : Culver_85
- Track 144 : Aphelion_83
- Track 145 : WilliamBoone_83
- Track 146 : BrutonGaster_67
- Track 147 : DinoDaryn_38, TZGordon_39, Huffy_38
- Track 148 : Goib_39
- Track 149 : TinaLin_36
- Track 150 : Splinter_37, Vendetta_37
- Track 151 : Banquo_37
- Track 152 : Gspu1_28
- Track 153 : Schmidt_32
- Track 154 : Catfish_37
- Track 155 : Ohgeesy_38, BaxterFox_37, PantheRoc_37
- Track 156 : Madeline_35
- Track 157 : JCole_37
- Track 158 : Vasanti_37
- Track 159 : Yeezy_36
- Track 160 : Easley_35
- Track 161 : Suerte_34
- Track 162 : Powerball_37
- Track 163 : PhriskyACE_36
- Track 164 : Sidious_37
- Track 165 : Cardigan_99
- Track 166 : Yvonnestic_95, JonJames_97
- Track 167 : Chop_39, Nadeem_39, Brylie_39, Mulch_39, Ayotoya_39, Hamood_39, GrandSlam_39, Parada_39, WheatThin_39
- Track 168 : NancyRae_39, BetterKatz_39
- Track 169 : Pimento_39, DelRio_40
- Track 170 : Bock_39
- Track 171 : Francois_38
- Track 172 : Daredevil_54
- Track 173 : Octobien14_6
- Track 174 : Kundefre_6
- Track 175 : Syleon_7
- Track 176 : Sephiroth_7
- Track 177 : Rabbitrun_10
- Track 178 : Neville_8, Trax_8
- Track 179 : DumpsterDude_40

- Track 180 : Ruthy_39
- Track 181 : Malibo_40
- Track 182 : ObLaDi_35
- Track 183 : ModicumRichard_35, Aleemily_34, Cafasso_35
- Track 184 : Morgana_35
- Track 185 : TouchMeNot_32, Colleen_32, Arianna_32, Poushou_32
- Track 186 : Bran_28
- Track 187 : Lederberg_27, Troy_27, SamW_27
- Track 188 : Adelaide_25
- Track 189 : StAB_26
- Track 190 : Stiles_27
- Track 191 : TripleJ_37
- Track 192 : Kukla_36
- Track 193 : Pitbull_33
- Track 194 : Hum25_34
- Track 195 : Che9c_41
- Track 196 : Sbash_40
- Track 197 : Dallas_80, NihilNomen_82, Redno2_78, Dove_67, BAKA_86, Phoebus_84, Yeet_76, ThreeRngTarjay_79, Kalah2_76, Hughesyang_81, Optimus_79, Wanda_85, Beem_81, Bombitas_71, Minerva_84, Duke13_85, JuicyJay_79, Bagrid_82, Halley_83, EricMillard_80, DmpstrDiver_82, Pound_82, Klein_81, HokkenD_73, Schatzie_77
- Track 198 : KashFlow_76, Constella_68, Ejimix_81, Thibault_69
- Track 199 : LittleE_82
- Track 200 : Zelink_79
- Track 201 : Porcelain_86, Courthouse_82, MiaZeal_87, Hannaconda_75, Omega_85, Ariel_86, Lucky2013_84, Squint_87
- Track 202 : Gonephishing_76
- Track 203 : Bobby_80
- Track 204 : Odette_80
- Track 205 : Superphikiman_84
- Track 206 : Tortellini_32
- Track 207 : Xavia_34
- Track 208 : ThulaThula_35
- Track 209 : Webster2_29, Amymech_29, Giles_29, LilHazelNut_29, Kinbote_29, Hadrien_29, Evanesce_29, HH92_29, Wishmaker_29, Ein37_29, Dewey_29, Luna22_29, Luke_29, Hail_29, Ubuntu_29, DeepSoil15_29, Forge_29
- Track 210 : Gancho_28
- Track 211 : Gravaillia_29
- Track 212 : Amochick_29, Daegal_30
- Track 213 : OBUpide_29
- Track 214 : MrSmee_34
- Track 215 : Khuang_45
- Track 216 : Gaia_52, Nebkiss_56
- Track 217 : TPA4_37
- Track 218 : REQ3_01
- Track 219 : Finkle_45
- Track 220 : Sleepyhead_38
- Track 221 : Juicebox_26
- Track 222 : Success_11
- Track 223 : GMA4_29
- Track 224 : Mbo4_31
- Track 225 : OnionKnight_30

- Track 226 : TurkishDelight_52
- Track 227 : REQ2_38
- Track 228 : VanLee_32

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

The start number called the most often in the published annotations is 76, it was called in 118 of the 386 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, BlueBird_34, Bradman_34, BreSam8_36, Bugatti_33, Buggy_36, Centaur_35, Colbster_36, Colin_37, Commander_33, 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, Grif_36, Groupthink_36, Grub_36, Grum1_36, GtownJaz_36, HaveUMetTed_36, Heathen_33, HeIDan_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, Kalpine_35, Kimona_30, LBerry_36, Leogania_35, 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, 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, SoYo_36, SoilDragon_35, Sparxx_33, Stagni_36, StepMih_36, TarsusIV_33, Tiffany_36, TipsytheTRex_33, TroyPia_33, Updawg_35, VA6_33, VC3_36, Vix_36, Watson_36, WeiHuaDA_38, WideWale_35, Wooldri_38, Zimmer_35,

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, Crucio_34, Drake55_36, Farber_36, Fernando_36, Flare16_34, GaugeLDP_35, GingkoMaracino_36, Giroux_33, JenCasNa_36, Kachowdy_33, Kampy_33, Kerberos_37, LHTSCC_34, LeoAvram_33, Lilith_36, Malinsilva_38, Marchesa_33, Medusa_33, Microwolf_36, NaSiaTalie_34, NothingSpecial_35, Obama12_34, Ollie_36, Pawn_36, Phelipe_33, Pomar16_37, SheldonCooper_34, SnapTap_34, Snickers_36, 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, Abscondus_83, Adelaide_25, Adzzy_35, Agape74_35, Aleemily_34, Amelia_36, Amochick_29, Amymech_29, Andrew_37, Aphelion_83, Arianna_32, Ariel_86, Ayotoya_39, BAKA_86, BabyJohn_32, BabyRay_33, Bachita_85, Bagrid_82, Banquo_37, Basilisk_34, BaxterFox_37, Bedetta_40, Beem_81, BetterKatz_39, BiancaTri92_35, Bobby_80, Bock_39, Bombitas_71, Bran_28, BrutonGaster_67, Brylie_39, Brynnie_33, Cafasso_35, Camara_36,

Caraxes_33, Cardigan_99, Catfish_37, Che12_36, Che9c_41, Chickaboom_35, ChipMunk_36, Chiqui_32, Chop_39, ClubL_83, Colleen_32, Colusalem_39, Constella_68, Coral_36, Cote_38, Courthouse_82, Cucurbita_85, Culver_85, Daegal_30, Dallas_80, Daob_38, Daredevil_54, DeepSoil15_29, DelRio_40, Dewey_29, Dignity_35, DinoDaryn_38, DmpstrDiver_82, Dori_45, Dove_67, DudeLittle_33, Duke13_85, DumpsterDude_40, Dusty_80, Easley_35, Eesa_33, Ein37_29, Ejimix_81, Engineer_85, EricMillard_80, Evanesce_29, EvilGenius_36, Fameo_34, Finkle_45, FiringLine_34, Forge_29, Francois_38, GMA4_29, Gaia_52, Galaxy_33, Gancho_28, Geeche_82, Georgie2_35, Giles_29, Goib_39, Gonephishing_76, GrandSlam_39, Gravaillia_29, Gspu1_28, HH92_29, Hadrien_29, Hail_29, Halley_83, Hamood_39, Hannaconda_75, HannahPhantana_37, HarryHoudini_36, Heffalump_35, HokkenD_73, Huffy_38, Hughesyang_81, Hum25_34, IronMan_36, JCole_37, Jaan_37, Jamun_33, Jerm_35, JonJames_97, JoshKayV_35, Juicebox_26, JuicyJay_79, Juno112_35, KHumphrey_36, Kalah2_76, KashFlow_76, Kepler_38, Khuang_45, Kinbote_29, KingCyrus_36, Klein_81, Koduck_33, Kudrefre_6, Kukla_36, Kuleana_37, L5_33, Landor_35, Larenn_35, Lederberg_27, Leona_35, Leviathan_35, LilHazelNut_29, LiITurb_34, LittleE_82, LittleTokyo_36, Lozinak_84, Lucky2013_84, Luke_29, Luna22_29, Lunar_38, Madeline_35, Malec_36, Malibo_40, Mao1_43, Mask_46, Mbo4_31, Melons_38, MiaZeal_87, Minerva_84, Miskis_80, ModicumRichard_35, Morgana_35, MrSmeem_34, Mulch_39, Nadeem_39, NancyRae_39, Nebkiss_56, Neville_8, NihilNomen_82, Norvs_84, OBUpride_29, ObLaDi_35, Octobien14_6, Odette_80, Odin_33, Ohgeesy_38, Omega_85, OnionKnight_30, Optimus_79, Orcanus_34, PantheRoc_37, Parada_39, Ph8s_35, Phantastic_33, Pharaoh_32, PhinkBoden_83, PhluffyCoco_36, Phoebus_84, PhriskyACE_36, Pimento_39, Piro94_34, Pitbull_33, Polka_36, Porcelain_86, Pound_82, Poushou_32, Power_33, Powerball_37, Pukovnik_35, QueenBeesly_34, REQ2_38, REQ3_01, Rabbitrun_10, RedFox_36, Redno2_78, Renna12_35, Ruchi_33, Ruthy_39, SPB78_39, SamW_27, Sbash_40, Schatzie_77, Schmidt_32, Sejanus_42, SemperFi_35, Sephiroth_7, Sidious_37, Sleepyhead_38, Smoothie_85, Splinter_37, Squint_87, StAB_26, Stiles_27, Success_11, Suerte_34, Superchunk_33, Superphikiman_84, SwirlSquare_35, Syleon_7, TNguyen7_33, TPA4_37, TZGordon_39, TaylorSipt_34, Thibault_69, ThreeRngTarjay_79, ThulaThula_35, TinaLin_36, Toniann_84, Tortellini_32, TouchMeNot_32, Trax_8, TripleJ_37, Troy_27, Turbido_34, TurkishDelight_52, Ubuntu_29, VWB_31, VanLee_32, Vasanti_37, Vendetta_37, Vulpecula_33, Wanda_85, Webster2_29, Whabigail7_34, WheatThin_39, WilliamBoone_83, Wishmaker_29, Xavia_34, XianYue_35, Yecey3_35, Yeet_76, Yeezy_36, Yvonnestic_95, Zelink_79,

Summary by start number:

Start 6:

- Found in 1 of 431 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TurkishDelight_52 (singleton),

Start 13:

- Found in 11 of 431 (2.6%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 18.2% of time when present
- Phage (with cluster) where this start called: Gonephishing_76 (J), Superphikiman_84 (J),

Start 16:

- Found in 13 of 431 (3.0%) of genes in pham
- Manual Annotations of this start: 10 of 386
- Called 76.9% of time when present
- Phage (with cluster) where this start called: Ariel_86 (J), Courthouse_82 (J), Gaia_52 (X), Hannaconda_75 (J), Lucky2013_84 (J), MiaZeal_87 (J), Nebkiss_56 (X), Omega_85 (J), Porcelain_86 (J), Squint_87 (J),

Start 19:

- Found in 3 of 431 (0.7%) of genes in pham
- Manual Annotations of this start: 3 of 386
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lederberg_27 (EP), SamW_27 (EP), Troy_27 (EP),

Start 22:

- Found in 3 of 431 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 100.0% of time when present
- Phage (with cluster) where this start called: OnionKnight_30 (singleton), SPB78_39 (BA), VWB_31 (BA),

Start 23:

- Found in 33 of 431 (7.7%) of genes in pham
- Manual Annotations of this start: 29 of 386
- Called 90.9% of time when present
- Phage (with cluster) where this start called: BAKA_86 (J), Bagrid_82 (J), Beem_81 (J), Bobby_80 (J), Bombitas_71 (J), Constella_68 (J), Dallas_80 (J), DmpstrDiver_82 (J), Dove_67 (J), Duke13_85 (J), Ejimix_81 (J), EricMillard_80 (J), Halley_83 (J), HokkenD_73 (J), Hughesyang_81 (J), JuicyJay_79 (J), Kalah2_76 (J), KashFlow_76 (J), Klein_81 (J), Minerva_84 (J), NihilNomen_82 (J), Optimus_79 (J), Phoebus_84 (J), Pound_82 (J), Redno2_78 (J), Schatzie_77 (J), Thibault_69 (J), ThreeRngTarjay_79 (J), Wanda_85 (J), Yeet_76 (J),

Start 26:

- Found in 45 of 431 (10.4%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 2.2% of time when present
- Phage (with cluster) where this start called: Zelink_79 (J),

Start 29:

- Found in 22 of 431 (5.1%) of genes in pham
- Manual Annotations of this start: 2 of 386
- Called 9.1% of time when present
- Phage (with cluster) where this start called: Gancho_28 (Q), OBUpride_29 (Q),

Start 35:

- Found in 5 of 431 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Khuang_45 (UNK), MrSmee_34 (UNK), Pitbull_33 (FQ),

Start 36:

- Found in 10 of 431 (2.3%) of genes in pham
- Manual Annotations of this start: 7 of 386
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Che9c_41 (I2), Dori_45 (AD), Mao1_43 (AD), Mask_46 (AD), REQ2_38 (singleton), Sbash_40 (I2), Sejanus_42 (AD), ThulaThula_35 (P5),

Start 37:

- Found in 36 of 431 (8.4%) of genes in pham
- Manual Annotations of this start: 32 of 386
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aleemily_34 (DZ), Ayotoya_39 (DI), BaxterFox_37 (CZ3), BetterKatz_39 (DI), Bock_39 (DI), Brylie_39 (DI), Cafasso_35 (DZ), Chop_39 (DI), DelRio_40 (DI), DumpsterDude_40 (DW), Easley_35 (CZ4), Francois_38 (DI), GrandSlam_39 (DI), Hamood_39 (DI), JCole_37 (CZ2), Madeline_35 (CZ1), Malibo_40 (DW), ModicumRichard_35 (DZ), Morgana_35 (DZ), Mulch_39 (DI), Nadeem_39 (DI), NancyRae_39 (DI), ObLaDi_35 (DZ), Ohgeesy_38 (CZ), PantheRoc_37 (CZ3), Parada_39 (DI), PhriskyACE_36 (CZ4), Pimento_39 (DI), Powerball_37 (CZ4), Ruthy_39 (DW), Sidious_37 (CZ7), Suerte_34 (CZ4), TPA4_37 (singleton), Vasanti_37 (CZ2), WheatThin_39 (DI), Yeezy_36 (CZ3),

Start 38:

- Found in 39 of 431 (9.0%) of genes in pham
- Manual Annotations of this start: 31 of 386
- Called 97.4% of time when present
- Phage (with cluster) where this start called: Abidatro_34 (AS1), Amelia_36 (AS2), Andrew_37 (AS3), Basilisk_34 (AS1), Bedetta_40 (AS2), Brynnie_33 (AS1), Camara_36 (AS3), Chickaboom_35 (AS1), Colusalem_39 (AS2), Coral_36 (AS2), Cote_38 (AS2), Daob_38 (AS2), Eesa_33 (AS1), GMA4_29 (singleton), Galaxy_33 (AS1), HannahPhantana_37 (AS2), Jamun_33 (AS1), Juno112_35 (AS3), KHumphrey_36 (AS3), Kepler_38 (AS2), Kuleana_37 (AS2), Leona_35 (AS3), LittleTokyo_36 (AS2), Lunar_38 (AS2), Mbo4_31 (singleton), Melons_38 (AS2), Orcanus_34 (AS1), PhluffyCoco_36 (AS3), Polka_36 (AS2), REQ3_01 (singleton), RedFox_36 (AS3), Renna12_35 (AS3), Ruchi_33 (AS1), TaylorSipht_34 (AS1), Tortellini_32 (P2), VanLee_32 (singleton), Vulpecula_33 (AS1), Xavia_34 (P3),

Start 39:

- Found in 4 of 431 (0.9%) of genes in pham
- Manual Annotations of this start: 4 of 386
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arianna_32 (EO), Colleen_32 (EO), Poushou_32 (EO), TouchMeNot_32 (EO),

Start 41:

- Found in 1 of 431 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Success_11 (singleton),

Start 42:

- Found in 1 of 431 (0.2%) of genes in pham

- Manual Annotations of this start: 1 of 386
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BrutonGaster_67 (CQ2),

Start 43:

- Found in 45 of 431 (10.4%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 4.4% of time when present
- Phage (with cluster) where this start called: LittleE_82 (J), Odette_80 (J),

Start 45:

- Found in 35 of 431 (8.1%) of genes in pham
- Manual Annotations of this start: 2 of 386
- Called 5.7% of time when present
- Phage (with cluster) where this start called: GaugeLDP_35 (A2), Hum25_34 (FQ),

Start 46:

- Found in 4 of 431 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Daredevil_54 (DL),

Start 47:

- Found in 22 of 431 (5.1%) of genes in pham
- Manual Annotations of this start: 20 of 386
- Called 90.9% of time when present
- Phage (with cluster) where this start called: Amochick_29 (Q), Amymech_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), Kinbote_29 (Q), LilHazelNut_29 (Q), Luke_29 (Q), Luna22_29 (Q), Ubuntu_29 (Q), Webster2_29 (Q), Wishmaker_29 (Q),

Start 51:

- Found in 18 of 431 (4.2%) of genes in pham
- Manual Annotations of this start: 12 of 386
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Abscondus_83 (CQ1), Aphelion_83 (CQ1), Bachita_85 (CQ1), ClubL_83 (CQ1), Cucurbita_85 (CQ1), Culver_85 (CQ1), Dusty_80 (CQ1), Engineer_85 (CQ1), Geeche_82 (CQ1), Lozinak_84 (CQ1), Miskis_80 (CQ1), Norvs_84 (CQ1), PhinkBoden_83 (CQ1), Smoothie_85 (CQ1), Toniann_84 (CQ1), WilliamBoone_83 (CQ1),

Start 53:

- Found in 13 of 431 (3.0%) of genes in pham
- Manual Annotations of this start: 2 of 386
- Called 23.1% of time when present
- Phage (with cluster) where this start called: Cardigan_99 (DD), JonJames_97 (DD), Yvonnestic_95 (DD),

Start 55:

- Found in 22 of 431 (5.1%) of genes in pham
- Manual Annotations of this start: 3 of 386
- Called 13.6% of time when present

- Phage (with cluster) where this start called: Abdiel_32 (A4), Phelipe_33 (A4), TinaFeyge_33 (A4),

Start 56:

- Found in 14 of 431 (3.2%) of genes in pham
- Manual Annotations of this start: 4 of 386
- Called 28.6% of time when present
- Phage (with cluster) where this start called: B1_31 (A3), Juicebox_26 (singleton), Sleepyhead_38 (singleton), StAB_26 (EP),

Start 57:

- Found in 4 of 431 (0.9%) of genes in pham
- Manual Annotations of this start: 3 of 386
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Adelaide_25 (EP), Bran_28 (EP), Stiles_27 (EP),

Start 60:

- Found in 14 of 431 (3.2%) of genes in pham
- Manual Annotations of this start: 7 of 386
- Called 50.0% 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 62:

- Found in 3 of 431 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 386
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Finkle_45 (singleton), Gspu1_28 (CU2), Schmidt_32 (CU4),

Start 63:

- Found in 13 of 431 (3.0%) of genes in pham
- Manual Annotations of this start: 12 of 386
- Called 92.3% 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), Neville_8 (DU2), Rabbitrun_10 (DU2), Splinter_37 (CU1), TZGordon_39 (CU1), TinaLin_36 (CU1), Trax_8 (DU2), Vendetta_37 (CU1),

Start 65:

- Found in 3 of 431 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 386
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Phantastic_33 (A3), TNguyen7_33 (A3),

Start 67:

- Found in 10 of 431 (2.3%) of genes in pham
- Manual Annotations of this start: 8 of 386
- 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 69:

- Found in 19 of 431 (4.4%) of genes in pham
- Manual Annotations of this start: 7 of 386
- Called 36.8% of time when present
- Phage (with cluster) where this start called: Dignity_35 (A2), IronMan_36 (A2), Jerm_35 (A2), KingCyrus_36 (A2), Pharaoh_32 (A12), Turbido_34 (A2), Yecey3_35 (A9),

Start 70:

- Found in 2 of 431 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Landor_35 (A2),

Start 71:

- Found in 7 of 431 (1.6%) of genes in pham
- Manual Annotations of this start: 3 of 386
- Called 71.4% of time when present
- Phage (with cluster) where this start called: BabyJohn_32 (A3), BabyRay_33 (A3), Chiqui_32 (A3), Jaan_37 (A2), Pukovnik_35 (A2),

Start 76:

- Found in 172 of 431 (39.9%) of genes in pham
- Manual Annotations of this start: 118 of 386
- Called 73.3% 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), BlueBird_34 (A3), Bradman_34 (A2), BreSam8_36 (A3), Bugatti_33 (A3), Buggy_36 (A2), Centaur_35 (A2), Colbster_36 (A3), Colin_37 (A2), Commander_33 (A4), 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), Grif_36 (A3), Groupthink_36 (A3), Grub_36 (A3), Grum1_36 (A3), GtownJaz_36 (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), Kalpine_35 (A2), Kimona_30 (A19), LBerry_36 (A3), Leogania_35 (A2), 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), 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), SoYo_36 (A3), SoilDragon_35 (A3), Sparxx_33

(A4), Stagni_36 (A3), StepMih_36 (A3), TarsusIV_33 (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), Zimmer_35 (A12),

Start 78:

- Found in 5 of 431 (1.2%) of genes in pham
- Manual Annotations of this start: 4 of 386
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Kudrefre_6 (DU1), Octobien14_6 (DU1), Sephiroth_7 (DU1), Syleon_7 (DU1),

Start 79:

- Found in 2 of 431 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 386
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Piro94_34 (A2), XianYue_35 (A2),

Start 81:

- Found in 10 of 431 (2.3%) of genes in pham
- Manual Annotations of this start: 6 of 386
- 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_33 (A2), L5_33 (A2), Odin_33 (A2), Superchunk_33 (A2), SwirlSquare_35 (A2),

Start 82:

- Found in 15 of 431 (3.5%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Malec_36 (A2),

Start 90:

- Found in 62 of 431 (14.4%) of genes in pham
- Manual Annotations of this start: 10 of 386
- Called 17.7% 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), Ollie_36 (A3), Snickers_36 (A3), Taurus_36 (A3), Zetzy_35 (A3),

Start 92:

- Found in 66 of 431 (15.3%) of genes in pham
- Manual Annotations of this start: 14 of 386
- Called 25.8% of time when present
- Phage (with cluster) where this start called: Acolyte_34 (A2), C3_31 (A2), Calvinny_36 (A3), Crucio_34 (A2), Drake55_36 (A2), Fameo_34 (A2), Flare16_34 (A2), Kerberos_37 (A2), Pawn_36 (A3), 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 93:

- Found in 3 of 431 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 386

- Called 66.7% of time when present
- Phage (with cluster) where this start called: Kukla_36 (FJ), TripleJ_37 (FJ),

Start 95:

- Found in 42 of 431 (9.7%) of genes in pham
- Manual Annotations of this start: 8 of 386
- Called 19.0% 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 66 of 431 (15.3%) of genes in pham
- No Manual Annotations of this start.
- Called 4.5% of time when present
- Phage (with cluster) where this start called: Giroux_33 (A3), Kachowdy_33 (A3), Marchesa_33 (A3),

Start 108:

- Found in 221 of 431 (51.3%) of genes in pham
- Manual Annotations of this start: 6 of 386
- Called 2.7% 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 43 clusters represented in this pham: FQ, singleton, I2, BA, DI, CZ2, CZ3, DD, CZ1, EO, CZ4, DZ, DW, FJ, DL, CU5, CU4, CU2, CU1, A12, DU2, A19, A3, A2, A4, A9, CQ2, CQ1, AS3, AS2, AS1, AD, P5, J, CZ7, Q, CZ, DU1, X, UNK, EP, P3, P2,

Info for manual annotations of cluster A12:

- Start number 69 was manually annotated 1 time for cluster A12.
- Start number 76 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A19:

- Start number 76 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 45 was manually annotated 1 time for cluster A2.
- Start number 60 was manually annotated 7 times for cluster A2.
- Start number 67 was manually annotated 8 times for cluster A2.
- Start number 69 was manually annotated 5 times for cluster A2.
- Start number 70 was manually annotated 1 time for cluster A2.
- Start number 71 was manually annotated 2 times for cluster A2.
- Start number 76 was manually annotated 33 times for cluster A2.
- Start number 79 was manually annotated 2 times for cluster A2.
- Start number 81 was manually annotated 6 times for cluster A2.
- Start number 82 was manually annotated 1 time for cluster A2.
- Start number 92 was manually annotated 14 times for cluster A2.
- Start number 95 was manually annotated 1 time for cluster A2.
- Start number 108 was manually annotated 5 times for cluster A2.

Info for manual annotations of cluster A3:

- Start number 56 was manually annotated 1 time for cluster A3.
- Start number 65 was manually annotated 2 times for cluster A3.
- Start number 71 was manually annotated 1 time for cluster A3.
- Start number 76 was manually annotated 70 times for cluster A3.
- Start number 90 was manually annotated 10 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 55 was manually annotated 3 times for cluster A4.
- Start number 76 was manually annotated 13 times for cluster A4.
- Start number 95 was manually annotated 7 times for cluster A4.
- Start number 108 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster A9:

- Start number 69 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AD:

- Start number 36 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster AS1:

- Start number 38 was manually annotated 11 times for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 38 was manually annotated 11 times for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 38 was manually annotated 6 times for cluster AS3.

Info for manual annotations of cluster CQ1:

- Start number 51 was manually annotated 12 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 42 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CU1:

- Start number 63 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU4:

- Start number 62 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 63 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CZ:

- Start number 37 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 37 was manually annotated 1 time for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 37 was manually annotated 1 time for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 37 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 37 was manually annotated 3 times for cluster CZ4.

Info for manual annotations of cluster CZ7:

- Start number 37 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster DD:

- Start number 53 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DI:

- Start number 37 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DL:

- Start number 46 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster DU1:

- Start number 78 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 63 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster DW:

- Start number 37 was manually annotated 3 times for cluster DW.

Info for manual annotations of cluster DZ:

- Start number 37 was manually annotated 4 times for cluster DZ.

Info for manual annotations of cluster EO:

- Start number 39 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster EP:

- Start number 19 was manually annotated 3 times for cluster EP.
- Start number 56 was manually annotated 1 time for cluster EP.
- Start number 57 was manually annotated 3 times for cluster EP.

Info for manual annotations of cluster FJ:

- Start number 93 was manually annotated 2 times for cluster FJ.

Info for manual annotations of cluster FQ:

- Start number 35 was manually annotated 1 time for cluster FQ.
- Start number 45 was manually annotated 1 time for cluster FQ.

Info for manual annotations of cluster I2:

- Start number 36 was manually annotated 2 times for cluster I2.

Info for manual annotations of cluster J:

- Start number 13 was manually annotated 1 time for cluster J.
- Start number 16 was manually annotated 8 times for cluster J.

- Start number 23 was manually annotated 29 times for cluster J.
- Start number 26 was manually annotated 1 time for cluster J.
- Start number 43 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster P2:

- Start number 38 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 38 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P5:

- Start number 36 was manually annotated 1 time for cluster P5.

Info for manual annotations of cluster Q:

- Start number 29 was manually annotated 2 times for cluster Q.
- Start number 47 was manually annotated 20 times for cluster Q.

Info for manual annotations of cluster X:

- Start number 16 was manually annotated 2 times for cluster X.

Gene Information:

Gene: ACFishhook_35 Start: 26718, Stop: 25579, Start Num: 76

Candidate Starts for ACFishhook_35:

(Start: 45 @26781 has 2 MA's), (Start: 76 @26718 has 118 MA's), (Start: 92 @26664 has 14 MA's), (Start: 108 @26595 has 6 MA's), (186, 26376), (191, 26367), (209, 26331), (246, 26274), (276, 26196), (285, 26172), (289, 26163), (348, 26061), (359, 26043), (365, 26031), (402, 25956), (405, 25950), (412, 25929), (420, 25914), (431, 25896), (440, 25872), (510, 25713), (511, 25710), (517, 25680), (519, 25674), (522, 25662), (538, 25623),

Gene: AN3_33 Start: 26414, Stop: 25290, Start Num: 76

Candidate Starts for AN3_33:

(49, 26468), (Start: 76 @26414 has 118 MA's), (Start: 92 @26360 has 14 MA's), (Start: 108 @26291 has 6 MA's), (178, 26090), (191, 26063), (209, 26027), (245, 25973), (246, 25970), (256, 25943), (276, 25892), (289, 25859), (299, 25847), (311, 25829), (348, 25757), (359, 25739), (365, 25727), (390, 25688), (402, 25652), (405, 25646), (412, 25625), (420, 25610), (431, 25592), (441, 25565), (498, 25454), (511, 25406), (512, 25403), (517, 25376), (519, 25370), (522, 25358), (538, 25319),

Gene: AN9_36 Start: 26399, Stop: 25275, Start Num: 76

Candidate Starts for AN9_36:

(49, 26453), (Start: 76 @26399 has 118 MA's), (Start: 92 @26345 has 14 MA's), (Start: 108 @26276 has 6 MA's), (178, 26075), (191, 26048), (209, 26012), (245, 25958), (246, 25955), (256, 25928), (276, 25877), (289, 25844), (299, 25832), (311, 25814), (348, 25742), (359, 25724), (365, 25712), (390, 25673), (402, 25637), (405, 25631), (412, 25610), (420, 25595), (431, 25577), (441, 25550), (498, 25439), (511, 25391), (512, 25388), (517, 25361), (519, 25355), (522, 25343), (538, 25304),

Gene: ANI8_36 Start: 26399, Stop: 25275, Start Num: 76

Candidate Starts for ANI8_36:

(49, 26453), (Start: 76 @26399 has 118 MA's), (Start: 92 @26345 has 14 MA's), (Start: 108 @26276 has 6 MA's), (178, 26075), (191, 26048), (209, 26012), (245, 25958), (246, 25955), (256, 25928), (276,

25877), (289, 25844), (299, 25832), (311, 25814), (348, 25742), (359, 25724), (365, 25712), (390, 25673), (402, 25637), (405, 25631), (412, 25610), (420, 25595), (431, 25577), (441, 25550), (498, 25439), (511, 25391), (512, 25388), (517, 25361), (519, 25355), (522, 25343), (538, 25304),

Gene: AbbyPaige_35 Start: 26720, Stop: 25575, Start Num: 60

Candidate Starts for AbbyPaige_35:

(Start: 60 @26720 has 7 MA's), (Start: 69 @26702 has 7 MA's), (Start: 95 @26618 has 8 MA's), (Start: 108 @26570 has 6 MA's), (121, 26525), (191, 26342), (209, 26306), (246, 26249), (250, 26237), (289, 26138), (299, 26126), (311, 26108), (359, 26018), (365, 26006), (402, 25931), (405, 25925), (412, 25904), (420, 25889), (431, 25871), (441, 25844), (498, 25733), (511, 25685), (512, 25682), (517, 25655), (519, 25649), (522, 25637), (538, 25598),

Gene: Abdiel_32 Start: 26295, Stop: 25129, Start Num: 55

Candidate Starts for Abdiel_32:

(Start: 55 @26295 has 3 MA's), (68, 26268), (Start: 76 @26250 has 118 MA's), (Start: 95 @26181 has 8 MA's), (Start: 108 @26127 has 6 MA's), (186, 25908), (191, 25899), (209, 25863), (241, 25821), (245, 25809), (246, 25806), (276, 25728), (348, 25593), (359, 25575), (402, 25488), (405, 25482), (412, 25461), (420, 25446), (431, 25428), (498, 25290), (511, 25242), (517, 25212), (519, 25206), (522, 25194), (538, 25155),

Gene: Abidatro_34 Start: 24278, Stop: 23067, Start Num: 38

Candidate Starts for Abidatro_34:

(Start: 38 @24278 has 31 MA's), (116, 24059), (124, 24041), (172, 23924), (208, 23849), (218, 23834), (358, 23540), (369, 23519), (386, 23492), (411, 23426), (416, 23414), (428, 23396), (499, 23252), (501, 23243),

Gene: Abscondus_83 Start: 51076, Stop: 52374, Start Num: 51

Candidate Starts for Abscondus_83:

(Start: 51 @51076 has 12 MA's), (Start: 82 @51142 has 1 MA's), (105, 51244), (111, 51271), (114, 51283), (125, 51313), (138, 51352), (144, 51370), (177, 51436), (189, 51445), (243, 51529), (275, 51619), (344, 51778), (347, 51784), (348, 51787), (398, 51913), (431, 51982), (465, 52060), (488, 52111), (494, 52138), (501, 52174), (502, 52177), (503, 52180), (504, 52186), (507, 52198), (509, 52204), (510, 52207), (511, 52210), (517, 52240), (533, 52288), (537, 52297), (552, 52327),

Gene: Acolyte_34 Start: 27024, Stop: 25957, Start Num: 92

Candidate Starts for Acolyte_34:

(Start: 76 @27078 has 118 MA's), (Start: 92 @27024 has 14 MA's), (Start: 108 @26955 has 6 MA's), (191, 26727), (209, 26691), (246, 26634), (256, 26607), (276, 26556), (311, 26493), (359, 26403), (365, 26391), (384, 26370), (402, 26316), (405, 26310), (412, 26289), (420, 26274), (441, 26229), (498, 26118), (511, 26070), (517, 26040), (519, 26034), (522, 26022), (538, 25983),

Gene: Adelaide_25 Start: 24090, Stop: 22960, Start Num: 57

Candidate Starts for Adelaide_25:

(Start: 57 @24090 has 3 MA's), (72, 24075), (83, 24051), (115, 23937), (131, 23898), (144, 23856), (156, 23823), (160, 23814), (170, 23787), (178, 23769), (225, 23685), (239, 23670), (257, 23625), (289, 23565), (313, 23523), (321, 23511), (324, 23505), (335, 23484), (364, 23430), (366, 23427), (367, 23424), (381, 23403), (415, 23319), (421, 23313), (432, 23295), (444, 23265), (481, 23208), (498, 23166), (502, 23151), (505, 23136), (507, 23130), (510, 23121), (513, 23112), (519, 23082), (534, 23040), (544, 23019), (546, 23016), (552, 23007), (566, 22980), (570, 22965),

Gene: Adzzy_35 Start: 25141, Stop: 24026, Start Num: 81

Candidate Starts for Adzzy_35:

(Start: 81 @25141 has 6 MA's), (Start: 108 @25024 has 6 MA's), (121, 24979), (191, 24796), (209, 24760), (241, 24718), (245, 24706), (246, 24703), (255, 24679), (348, 24490), (359, 24472), (365, 24460), (384, 24439), (402, 24385), (412, 24358), (420, 24343), (431, 24325), (441, 24298), (511, 24139), (517, 24109), (519, 24103), (522, 24091), (538, 24052), (541, 24043),

Gene: Agape74_35 Start: 26696, Stop: 25551, Start Num: 60

Candidate Starts for Agape74_35:

(Start: 60 @26696 has 7 MA's), (Start: 69 @26678 has 7 MA's), (Start: 95 @26594 has 8 MA's), (Start: 108 @26546 has 6 MA's), (121, 26501), (191, 26318), (209, 26282), (246, 26225), (250, 26213), (289, 26114), (299, 26102), (311, 26084), (359, 25994), (365, 25982), (402, 25907), (405, 25901), (412, 25880), (420, 25865), (431, 25847), (441, 25820), (498, 25709), (511, 25661), (512, 25658), (517, 25631), (519, 25625), (522, 25613), (538, 25574),

Gene: Aglet_36 Start: 26791, Stop: 25646, Start Num: 76

Candidate Starts for Aglet_36:

(Start: 76 @26791 has 118 MA's), (Start: 90 @26752 has 10 MA's), (Start: 108 @26668 has 6 MA's), (121, 26623), (178, 26467), (191, 26440), (209, 26404), (246, 26347), (276, 26269), (285, 26245), (311, 26206), (348, 26134), (354, 26122), (359, 26116), (365, 26104), (402, 26029), (405, 26023), (412, 26002), (420, 25987), (431, 25969), (440, 25945), (498, 25831), (510, 25786), (511, 25783), (514, 25774), (517, 25753), (519, 25747), (522, 25735), (538, 25696),

Gene: Aleemily_34 Start: 29847, Stop: 28720, Start Num: 37

Candidate Starts for Aleemily_34:

(2, 30327), (Start: 37 @29847 has 32 MA's), (61, 29793), (97, 29688), (158, 29517), (202, 29427), (225, 29391), (279, 29277), (306, 29238), (320, 29214), (377, 29118), (438, 28986), (458, 28941), (499, 28869), (538, 28743),

Gene: Amelia_36 Start: 24019, Stop: 22832, Start Num: 38

Candidate Starts for Amelia_36:

(12, 24109), (Start: 38 @24019 has 31 MA's), (172, 23665), (208, 23590), (416, 23155), (494, 23020),

Gene: Amochick_29 Start: 26484, Stop: 25291, Start Num: 47

Candidate Starts for Amochick_29:

(Start: 29 @26526 has 2 MA's), (Start: 47 @26484 has 20 MA's), (84, 26418), (100, 26337), (109, 26298), (114, 26283), (115, 26277), (118, 26265), (130, 26238), (142, 26205), (164, 26148), (179, 26115), (180, 26112), (205, 26064), (233, 26022), (236, 26019), (248, 25995), (252, 25980), (263, 25956), (270, 25941), (286, 25902), (297, 25890), (316, 25851), (336, 25812), (364, 25764), (366, 25761), (403, 25689), (406, 25683), (409, 25671), (411, 25668), (413, 25662), (442, 25608), (450, 25590), (452, 25587), (464, 25560), (476, 25533), (495, 25491), (500, 25464), (502, 25458), (515, 25401), (536, 25338), (538, 25335),

Gene: Amymech_29 Start: 26478, Stop: 25285, Start Num: 47

Candidate Starts for Amymech_29:

(Start: 29 @26520 has 2 MA's), (Start: 47 @26478 has 20 MA's), (84, 26412), (100, 26331), (109, 26292), (114, 26277), (115, 26271), (118, 26259), (130, 26232), (142, 26199), (164, 26142), (179, 26109), (180, 26106), (205, 26058), (233, 26016), (236, 26013), (248, 25989), (252, 25974), (263, 25950), (270, 25935), (286, 25896), (297, 25884), (316, 25845), (336, 25806), (364, 25758), (366, 25755), (403, 25683), (406, 25677), (409, 25665), (411, 25662), (413, 25656), (442, 25602), (450, 25584), (452, 25581), (464, 25554), (472, 25536), (473, 25530), (476, 25527), (495, 25485), (500, 25458), (502, 25452), (515, 25395), (536, 25332), (538, 25329),

Gene: Andrew_37 Start: 23839, Stop: 22646, Start Num: 38

Candidate Starts for Andrew_37:

(Start: 38 @23839 has 31 MA's), (Start: 57 @23794 has 3 MA's), (253, 23329), (358, 23101), (416, 22975), (424, 22963), (499, 22813), (543, 22675),

Gene: Anselm_35 Start: 26782, Stop: 25661, Start Num: 76

Candidate Starts for Anselm_35:

(Start: 45 @26845 has 2 MA's), (Start: 76 @26782 has 118 MA's), (Start: 92 @26728 has 14 MA's), (Start: 108 @26659 has 6 MA's), (121, 26614), (178, 26458), (209, 26395), (250, 26326), (266, 26284), (276, 26260), (311, 26197), (359, 26107), (365, 26095), (402, 26020), (405, 26014), (412, 25993), (420, 25978), (431, 25960), (441, 25933), (498, 25822), (510, 25777), (511, 25774), (512, 25771), (517, 25744), (519, 25738), (522, 25726), (538, 25687),

Gene: Anubis_38 Start: 26676, Stop: 25531, Start Num: 76

Candidate Starts for Anubis_38:

(Start: 76 @26676 has 118 MA's), (Start: 90 @26637 has 10 MA's), (99, 26589), (Start: 108 @26553 has 6 MA's), (121, 26508), (178, 26352), (191, 26325), (209, 26289), (246, 26232), (276, 26154), (285, 26130), (311, 26091), (348, 26019), (354, 26007), (359, 26001), (365, 25989), (402, 25914), (405, 25908), (412, 25887), (420, 25872), (431, 25854), (440, 25830), (498, 25716), (510, 25671), (511, 25668), (514, 25659), (517, 25638), (519, 25632), (522, 25620), (538, 25581),

Gene: Aphelion_83 Start: 51698, Stop: 52996, Start Num: 51

Candidate Starts for Aphelion_83:

(Start: 51 @51698 has 12 MA's), (Start: 82 @51764 has 1 MA's), (105, 51866), (111, 51893), (114, 51905), (125, 51935), (138, 51974), (144, 51992), (177, 52058), (189, 52067), (243, 52151), (275, 52241), (344, 52400), (347, 52406), (348, 52409), (398, 52535), (431, 52604), (465, 52682), (488, 52733), (494, 52760), (501, 52796), (502, 52799), (504, 52808), (507, 52820), (509, 52826), (510, 52829), (511, 52832), (517, 52862), (533, 52910), (537, 52919), (552, 52949),

Gene: Arianna_32 Start: 30114, Stop: 28903, Start Num: 39

Candidate Starts for Arianna_32:

(Start: 39 @30114 has 4 MA's), (107, 29940), (155, 29799), (232, 29640), (293, 29490), (336, 29400), (459, 29136), (475, 29100), (478, 29094), (534, 28929), (540, 28914), (542, 28911),

Gene: Ariel_86 Start: 50063, Stop: 51337, Start Num: 16

Candidate Starts for Ariel_86:

(9, 50006), (Start: 13 @50048 has 1 MA's), (Start: 16 @50063 has 10 MA's), (17, 50066), (Start: 26 @50111 has 1 MA's), (Start: 43 @50150 has 1 MA's), (186, 50531), (241, 50615), (245, 50627), (246, 50630), (299, 50759), (377, 50879), (401, 50942), (407, 50960), (417, 50984), (455, 51056), (516, 51233), (517, 51236), (519, 51242), (523, 51260), (529, 51275), (534, 51284), (535, 51287), (558, 51332),

Gene: AugsMagnumOpus_38 Start: 26782, Stop: 25637, Start Num: 76

Candidate Starts for AugsMagnumOpus_38:

(Start: 76 @26782 has 118 MA's), (Start: 90 @26743 has 10 MA's), (99, 26695), (Start: 108 @26659 has 6 MA's), (121, 26614), (178, 26458), (191, 26431), (209, 26395), (246, 26338), (276, 26260), (285, 26236), (311, 26197), (348, 26125), (354, 26113), (359, 26107), (365, 26095), (402, 26020), (405, 26014), (412, 25993), (420, 25978), (431, 25960), (440, 25936), (498, 25822), (510, 25777), (511, 25774), (514, 25765), (517, 25744), (519, 25738), (522, 25726), (538, 25687),

Gene: Ayotoya_39 Start: 32055, Stop: 30784, Start Num: 37

Candidate Starts for Ayotoya_39:

(Start: 37 @32055 has 32 MA's), (44, 32040), (88, 31938), (97, 31896), (101, 31884), (121, 31809), (149, 31734), (154, 31725), (161, 31707), (216, 31608), (218, 31605), (264, 31515), (317, 31410), (363, 31314), (366, 31308), (439, 31146), (496, 31005), (507, 30960), (520, 30909), (522, 30900),

(527, 30885), (534, 30873), (539, 30861), (563, 30822),

Gene: B1_31 Start: 25858, Stop: 24692, Start Num: 56

Candidate Starts for B1_31:

(Start: 56 @25858 has 4 MA's), (Start: 76 @25816 has 118 MA's), (Start: 108 @25693 has 6 MA's), (121, 25648), (145, 25576), (163, 25528), (186, 25474), (191, 25465), (209, 25429), (246, 25372), (359, 25141), (365, 25129), (384, 25108), (402, 25054), (405, 25048), (412, 25027), (420, 25012), (431, 24994), (441, 24967), (498, 24856), (511, 24808), (512, 24805), (517, 24778), (519, 24772), (522, 24760), (529, 24739), (538, 24721),

Gene: BAKA_86 Start: 53552, Stop: 54781, Start Num: 23

Candidate Starts for BAKA_86:

(Start: 23 @53552 has 29 MA's), (Start: 26 @53570 has 1 MA's), (Start: 43 @53609 has 1 MA's), (128, 53846), (168, 53954), (241, 54074), (242, 54077), (245, 54086), (250, 54101), (265, 54140), (299, 54218), (360, 54323), (366, 54335), (377, 54338), (381, 54347), (399, 54398), (401, 54401), (407, 54419), (455, 54515), (483, 54572), (516, 54692), (517, 54695), (523, 54719), (534, 54743), (535, 54746),

Gene: BabyJohn_32 Start: 26607, Stop: 25474, Start Num: 71

Candidate Starts for BabyJohn_32:

(Start: 71 @26607 has 3 MA's), (Start: 95 @26526 has 8 MA's), (Start: 108 @26472 has 6 MA's), (121, 26427), (188, 26250), (191, 26244), (209, 26208), (246, 26151), (276, 26073), (359, 25920), (365, 25908), (402, 25833), (405, 25827), (412, 25806), (420, 25791), (431, 25773), (440, 25749), (511, 25587), (517, 25557), (519, 25551), (522, 25539), (538, 25500),

Gene: BabyRay_33 Start: 26385, Stop: 25249, Start Num: 71

Candidate Starts for BabyRay_33:

(Start: 71 @26385 has 3 MA's), (Start: 108 @26250 has 6 MA's), (188, 26028), (191, 26022), (199, 26007), (209, 25986), (246, 25929), (276, 25851), (359, 25698), (365, 25686), (402, 25611), (405, 25605), (412, 25584), (420, 25569), (431, 25551), (511, 25365), (517, 25335), (519, 25329), (522, 25317), (529, 25296), (538, 25278),

Gene: Bachita_85 Start: 52123, Stop: 53421, Start Num: 51

Candidate Starts for Bachita_85:

(Start: 51 @52123 has 12 MA's), (Start: 82 @52189 has 1 MA's), (105, 52291), (111, 52318), (114, 52330), (125, 52360), (138, 52399), (144, 52417), (177, 52483), (189, 52492), (243, 52576), (275, 52666), (344, 52825), (347, 52831), (348, 52834), (398, 52960), (431, 53029), (465, 53107), (488, 53158), (494, 53185), (501, 53221), (502, 53224), (503, 53227), (504, 53233), (507, 53245), (509, 53251), (510, 53254), (511, 53257), (517, 53287), (533, 53335), (537, 53344), (552, 53374),

Gene: Bactobuster_35 Start: 27867, Stop: 26860, Start Num: 108

Candidate Starts for Bactobuster_35:

(Start: 76 @27987 has 118 MA's), (Start: 90 @27951 has 10 MA's), (Start: 108 @27867 has 6 MA's), (121, 27822), (183, 27654), (209, 27603), (266, 27492), (276, 27468), (289, 27435), (299, 27423), (328, 27375), (359, 27315), (361, 27312), (365, 27303), (402, 27228), (405, 27222), (412, 27201), (420, 27186), (431, 27168), (511, 26982), (517, 26952), (519, 26946), (522, 26934), (538, 26895), (551, 26871),

Gene: Baehexic_34 Start: 26830, Stop: 25697, Start Num: 76

Candidate Starts for Baehexic_34:

(Start: 76 @26830 has 118 MA's), (Start: 92 @26776 has 14 MA's), (Start: 108 @26707 has 6 MA's), (121, 26662), (178, 26506), (191, 26479), (209, 26443), (246, 26386), (299, 26263), (311, 26245), (359, 26155), (365, 26143), (402, 26068), (405, 26062), (412, 26041), (420, 26026), (431, 26008),

(441, 25981), (445, 25972), (498, 25870), (511, 25822), (517, 25792), (519, 25786), (522, 25774), (538, 25735),

Gene: Bagrid_82 Start: 52202, Stop: 53431, Start Num: 23

Candidate Starts for Bagrid_82:

(Start: 23 @52202 has 29 MA's), (Start: 26 @52220 has 1 MA's), (Start: 43 @52259 has 1 MA's), (128, 52496), (168, 52604), (241, 52724), (242, 52727), (245, 52736), (250, 52751), (265, 52790), (299, 52868), (360, 52973), (366, 52985), (377, 52988), (381, 52997), (399, 53048), (401, 53051), (407, 53069), (455, 53165), (483, 53222), (516, 53342), (517, 53345), (523, 53369), (534, 53393), (535, 53396),

Gene: BangNhom_33 Start: 26587, Stop: 25466, Start Num: 76

Candidate Starts for BangNhom_33:

(Start: 55 @26632 has 3 MA's), (68, 26605), (Start: 76 @26587 has 118 MA's), (Start: 95 @26518 has 8 MA's), (Start: 108 @26464 has 6 MA's), (186, 26245), (191, 26236), (209, 26200), (241, 26158), (245, 26146), (246, 26143), (348, 25930), (359, 25912), (402, 25825), (405, 25819), (412, 25798), (420, 25783), (431, 25765), (498, 25627), (511, 25579), (517, 25549), (519, 25543), (522, 25531), (538, 25492),

Gene: Banquo_37 Start: 27140, Stop: 26034, Start Num: 63

Candidate Starts for Banquo_37:

(Start: 63 @27140 has 12 MA's), (187, 26819), (224, 26756), (234, 26744), (256, 26693), (326, 26531), (349, 26483), (412, 26354), (437, 26306), (480, 26210), (514, 26120), (519, 26093),

Gene: Basilisk_34 Start: 24758, Stop: 23574, Start Num: 38

Candidate Starts for Basilisk_34:

(Start: 38 @24758 has 31 MA's), (116, 24539), (172, 24404), (208, 24329), (218, 24314), (310, 24113), (411, 23906), (416, 23894), (428, 23876), (434, 23861), (494, 23759), (499, 23732), (501, 23723),

Gene: BaxterFox_37 Start: 31379, Stop: 30117, Start Num: 37

Candidate Starts for BaxterFox_37:

(Start: 37 @31379 has 32 MA's), (96, 31223), (158, 31040), (176, 31004), (208, 30944), (216, 30932), (245, 30887), (258, 30854), (274, 30812), (366, 30644), (368, 30641), (403, 30566), (409, 30548), (411, 30545), (439, 30488), (491, 30371), (494, 30359), (507, 30302), (522, 30242), (527, 30227), (534, 30215), (538, 30206), (557, 30167),

Gene: Beauxregard13_36 Start: 26790, Stop: 25645, Start Num: 76

Candidate Starts for Beauxregard13_36:

(Start: 76 @26790 has 118 MA's), (Start: 90 @26751 has 10 MA's), (99, 26703), (Start: 108 @26667 has 6 MA's), (121, 26622), (178, 26466), (191, 26439), (209, 26403), (246, 26346), (276, 26268), (285, 26244), (311, 26205), (348, 26133), (354, 26121), (359, 26115), (365, 26103), (402, 26028), (405, 26022), (412, 26001), (420, 25986), (431, 25968), (440, 25944), (498, 25830), (510, 25785), (511, 25782), (514, 25773), (517, 25752), (519, 25746), (522, 25734), (538, 25695),

Gene: Bedetta_40 Start: 24167, Stop: 22980, Start Num: 38

Candidate Starts for Bedetta_40:

(12, 24257), (Start: 38 @24167 has 31 MA's), (208, 23738), (416, 23303), (494, 23168),

Gene: Beem_81 Start: 53063, Stop: 54292, Start Num: 23

Candidate Starts for Beem_81:

(Start: 23 @53063 has 29 MA's), (Start: 26 @53081 has 1 MA's), (Start: 43 @53120 has 1 MA's), (128, 53357), (168, 53465), (241, 53585), (242, 53588), (245, 53597), (250, 53612), (265, 53651),

(299, 53729), (360, 53834), (366, 53846), (377, 53849), (381, 53858), (399, 53909), (401, 53912), (407, 53930), (455, 54026), (483, 54083), (516, 54203), (517, 54206), (523, 54230), (534, 54254), (535, 54257),

Gene: BellusTerra_33 Start: 26249, Stop: 25128, Start Num: 76

Candidate Starts for BellusTerra_33:

(Start: 55 @26294 has 3 MA's), (68, 26267), (Start: 76 @26249 has 118 MA's), (Start: 95 @26180 has 8 MA's), (Start: 108 @26126 has 6 MA's), (186, 25907), (191, 25898), (209, 25862), (241, 25820), (245, 25808), (246, 25805), (276, 25727), (348, 25592), (359, 25574), (402, 25487), (412, 25460), (420, 25445), (431, 25427), (498, 25289), (511, 25241), (517, 25211), (519, 25205), (522, 25193), (538, 25154),

Gene: BetterKatz_39 Start: 31582, Stop: 30311, Start Num: 37

Candidate Starts for BetterKatz_39:

(Start: 37 @31582 has 32 MA's), (44, 31567), (88, 31465), (97, 31423), (101, 31411), (121, 31336), (149, 31261), (154, 31252), (161, 31234), (216, 31135), (218, 31132), (264, 31042), (317, 30937), (366, 30835), (377, 30817), (439, 30673), (496, 30532), (507, 30487), (520, 30436), (522, 30427), (534, 30400), (539, 30388), (563, 30349),

Gene: BiancaTri92_35 Start: 27662, Stop: 26547, Start Num: 67

Candidate Starts for BiancaTri92_35:

(Start: 53 @27692 has 2 MA's), (Start: 67 @27662 has 8 MA's), (Start: 92 @27611 has 14 MA's), (Start: 108 @27542 has 6 MA's), (121, 27497), (178, 27341), (179, 27338), (191, 27314), (209, 27278), (246, 27221), (276, 27143), (311, 27080), (359, 26990), (365, 26978), (402, 26903), (405, 26897), (412, 26876), (420, 26861), (431, 26843), (511, 26657), (517, 26627), (519, 26621), (522, 26609), (538, 26570),

Gene: BlueBird_34 Start: 26297, Stop: 25170, Start Num: 76

Candidate Starts for BlueBird_34:

(Start: 76 @26297 has 118 MA's), (99, 26210), (Start: 108 @26174 has 6 MA's), (121, 26129), (178, 25973), (183, 25961), (186, 25955), (209, 25910), (245, 25856), (246, 25853), (276, 25775), (359, 25622), (365, 25610), (390, 25571), (402, 25535), (405, 25529), (412, 25508), (420, 25493), (431, 25475), (441, 25448), (498, 25337), (511, 25289), (517, 25259), (519, 25253), (522, 25241), (538, 25202),

Gene: Bobby_80 Start: 53134, Stop: 54363, Start Num: 23

Candidate Starts for Bobby_80:

(Start: 23 @53134 has 29 MA's), (Start: 26 @53152 has 1 MA's), (Start: 43 @53191 has 1 MA's), (128, 53428), (168, 53536), (241, 53656), (242, 53659), (245, 53668), (250, 53683), (299, 53800), (366, 53917), (377, 53920), (381, 53929), (399, 53980), (401, 53983), (407, 54001), (455, 54097), (516, 54274), (517, 54277), (523, 54301), (534, 54325), (535, 54328),

Gene: Bock_39 Start: 31274, Stop: 30003, Start Num: 37

Candidate Starts for Bock_39:

(Start: 37 @31274 has 32 MA's), (44, 31259), (88, 31157), (97, 31115), (101, 31103), (121, 31028), (149, 30953), (154, 30944), (161, 30926), (216, 30827), (218, 30824), (264, 30734), (312, 30638), (317, 30629), (356, 30548), (366, 30527), (377, 30509), (406, 30434), (439, 30365), (496, 30224), (507, 30179), (520, 30128), (522, 30119), (534, 30092), (539, 30080), (563, 30041),

Gene: Bombitas_71 Start: 50226, Stop: 51455, Start Num: 23

Candidate Starts for Bombitas_71:

(Start: 23 @50226 has 29 MA's), (Start: 26 @50244 has 1 MA's), (Start: 43 @50283 has 1 MA's), (128, 50520), (168, 50628), (241, 50748), (242, 50751), (245, 50760), (250, 50775), (265, 50814),

(299, 50892), (360, 50997), (366, 51009), (377, 51012), (381, 51021), (399, 51072), (401, 51075), (407, 51093), (455, 51189), (483, 51246), (516, 51366), (517, 51369), (523, 51393), (534, 51417), (535, 51420),

Gene: Bradman_34 Start: 25599, Stop: 24475, Start Num: 76

Candidate Starts for Bradman_34:

(Start: 76 @25599 has 118 MA's), (96, 25521), (Start: 108 @25476 has 6 MA's), (121, 25431), (141, 25371), (191, 25248), (209, 25212), (245, 25158), (246, 25155), (299, 25032), (301, 25029), (311, 25014), (354, 24930), (359, 24924), (384, 24891), (389, 24876), (402, 24837), (412, 24810), (420, 24795), (431, 24777), (441, 24750), (498, 24639), (511, 24591), (512, 24588), (514, 24582), (517, 24561), (519, 24555), (522, 24543), (538, 24504),

Gene: Bran_28 Start: 25552, Stop: 24428, Start Num: 57

Candidate Starts for Bran_28:

(Start: 57 @25552 has 3 MA's), (72, 25537), (83, 25513), (115, 25399), (131, 25360), (144, 25318), (156, 25285), (160, 25276), (170, 25249), (178, 25231), (239, 25132), (247, 25111), (257, 25087), (289, 25027), (313, 24985), (321, 24973), (324, 24967), (335, 24946), (364, 24892), (366, 24889), (367, 24886), (381, 24865), (415, 24781), (421, 24775), (432, 24757), (444, 24727), (481, 24670), (502, 24613), (505, 24598), (507, 24592), (510, 24583), (513, 24574), (514, 24571), (517, 24550), (519, 24544), (523, 24526), (534, 24502), (544, 24481), (546, 24478), (552, 24469),

Gene: BreSam8_36 Start: 26783, Stop: 25638, Start Num: 76

Candidate Starts for BreSam8_36:

(Start: 76 @26783 has 118 MA's), (Start: 90 @26744 has 10 MA's), (99, 26696), (Start: 108 @26660 has 6 MA's), (121, 26615), (178, 26459), (191, 26432), (209, 26396), (246, 26339), (276, 26261), (285, 26237), (311, 26198), (348, 26126), (354, 26114), (359, 26108), (365, 26096), (402, 26021), (405, 26015), (412, 25994), (420, 25979), (431, 25961), (440, 25937), (498, 25823), (510, 25778), (511, 25775), (514, 25766), (517, 25745), (519, 25739), (522, 25727), (538, 25688),

Gene: BrutonGaster_67 Start: 47316, Stop: 48683, Start Num: 42

Candidate Starts for BrutonGaster_67:

(Start: 42 @47316 has 1 MA's), (Start: 67 @47364 has 8 MA's), (77, 47388), (Start: 90 @47436 has 10 MA's), (103, 47496), (115, 47547), (153, 47655), (171, 47703), (174, 47706), (228, 47817), (258, 47886), (260, 47895), (303, 48006), (305, 48009), (320, 48042), (372, 48165), (407, 48255), (413, 48273), (426, 48294), (443, 48336), (471, 48396), (494, 48459), (502, 48498), (504, 48507), (552, 48636), (568, 48672),

Gene: Brylie_39 Start: 31322, Stop: 30051, Start Num: 37

Candidate Starts for Brylie_39:

(Start: 37 @31322 has 32 MA's), (44, 31307), (88, 31205), (97, 31163), (101, 31151), (121, 31076), (149, 31001), (154, 30992), (161, 30974), (216, 30875), (218, 30872), (264, 30782), (317, 30677), (363, 30581), (366, 30575), (439, 30413), (496, 30272), (507, 30227), (520, 30176), (522, 30167), (527, 30152), (534, 30140), (539, 30128), (563, 30089),

Gene: Brynnie_33 Start: 24636, Stop: 23452, Start Num: 38

Candidate Starts for Brynnie_33:

(Start: 38 @24636 has 31 MA's), (116, 24417), (172, 24282), (208, 24207), (218, 24192), (310, 23991), (314, 23982), (411, 23784), (416, 23772), (428, 23754), (434, 23739), (494, 23637), (499, 23610), (501, 23601),

Gene: Bugatti_33 Start: 26297, Stop: 25170, Start Num: 76

Candidate Starts for Bugatti_33:

(Start: 76 @26297 has 118 MA's), (99, 26210), (Start: 108 @26174 has 6 MA's), (121, 26129), (178, 25973), (183, 25961), (186, 25955), (209, 25910), (245, 25856), (246, 25853), (276, 25775), (359, 25622), (365, 25610), (390, 25571), (402, 25535), (405, 25529), (412, 25508), (420, 25493), (431, 25475), (441, 25448), (498, 25337), (511, 25289), (517, 25259), (519, 25253), (522, 25241), (538, 25202),

Gene: Buggy_36 Start: 26995, Stop: 25874, Start Num: 76

Candidate Starts for Buggy_36:

(Start: 45 @27058 has 2 MA's), (Start: 76 @26995 has 118 MA's), (Start: 92 @26941 has 14 MA's), (Start: 108 @26872 has 6 MA's), (121, 26827), (166, 26701), (191, 26644), (209, 26608), (245, 26554), (246, 26551), (299, 26428), (311, 26410), (359, 26320), (365, 26308), (402, 26233), (405, 26227), (412, 26206), (420, 26191), (431, 26173), (511, 25987), (517, 25957), (519, 25951), (522, 25939), (538, 25900),

Gene: C3_31 Start: 26345, Stop: 25275, Start Num: 92

Candidate Starts for C3_31:

(49, 26453), (Start: 76 @26399 has 118 MA's), (Start: 92 @26345 has 14 MA's), (Start: 108 @26276 has 6 MA's), (178, 26075), (191, 26048), (209, 26012), (245, 25958), (246, 25955), (256, 25928), (276, 25877), (289, 25844), (299, 25832), (311, 25814), (348, 25742), (359, 25724), (365, 25712), (390, 25673), (402, 25637), (405, 25631), (412, 25610), (420, 25595), (431, 25577), (441, 25550), (498, 25439), (511, 25391), (512, 25388), (517, 25361), (519, 25355), (522, 25343), (538, 25304),

Gene: Cafasso_35 Start: 30421, Stop: 29294, Start Num: 37

Candidate Starts for Cafasso_35:

(2, 30901), (Start: 37 @30421 has 32 MA's), (61, 30367), (97, 30262), (158, 30091), (202, 30001), (225, 29965), (279, 29851), (306, 29812), (320, 29788), (377, 29692), (438, 29560), (458, 29515), (499, 29443), (538, 29317),

Gene: Calvinny_36 Start: 26589, Stop: 25498, Start Num: 92

Candidate Starts for Calvinny_36:

(Start: 45 @26706 has 2 MA's), (Start: 76 @26643 has 118 MA's), (Start: 92 @26589 has 14 MA's), (Start: 108 @26520 has 6 MA's), (186, 26301), (191, 26292), (209, 26256), (246, 26199), (276, 26121), (289, 26088), (348, 25986), (359, 25968), (365, 25956), (402, 25881), (405, 25875), (412, 25854), (420, 25839), (431, 25821), (440, 25797), (510, 25638), (511, 25635), (517, 25605), (519, 25599), (522, 25587), (538, 25548),

Gene: Camara_36 Start: 23916, Stop: 22723, Start Num: 38

Candidate Starts for Camara_36:

(Start: 38 @23916 has 31 MA's), (208, 23487), (245, 23430), (253, 23406), (358, 23178), (416, 23052), (424, 23040), (434, 23019), (501, 22881), (522, 22800), (543, 22752),

Gene: Caraxes_33 Start: 24997, Stop: 23882, Start Num: 81

Candidate Starts for Caraxes_33:

(Start: 81 @24997 has 6 MA's), (Start: 92 @24949 has 14 MA's), (99, 24916), (Start: 108 @24880 has 6 MA's), (121, 24835), (183, 24667), (191, 24652), (209, 24616), (241, 24574), (245, 24562), (246, 24559), (280, 24472), (285, 24457), (359, 24328), (365, 24316), (384, 24295), (390, 24277), (402, 24241), (412, 24214), (420, 24199), (431, 24181), (441, 24154), (498, 24043), (511, 23995), (517, 23965), (519, 23959), (522, 23947), (538, 23908),

Gene: Cardigan_99 Start: 58096, Stop: 59343, Start Num: 53

Candidate Starts for Cardigan_99:

(11, 57970), (Start: 53 @58096 has 2 MA's), (105, 58261), (111, 58288), (114, 58300), (132, 58351), (144, 58387), (157, 58405), (189, 58456), (245, 58546), (251, 58567), (295, 58678), (305, 58702),

(308, 58711), (315, 58726), (339, 58777), (382, 58861), (406, 58921), (408, 58930), (460, 59038), (474, 59080), (494, 59131), (504, 59179), (510, 59200), (517, 59233), (523, 59254), (535, 59281), (552, 59314),

Gene: Catfish_37 Start: 28481, Stop: 27369, Start Num: 63

Candidate Starts for Catfish_37:

(Start: 63 @28481 has 12 MA's), (86, 28439), (122, 28313), (213, 28112), (246, 28055), (256, 28028), (293, 27932), (307, 27899), (311, 27890), (376, 27782), (432, 27653), (510, 27467), (519, 27428), (534, 27389),

Gene: Centaur_35 Start: 26808, Stop: 25675, Start Num: 76

Candidate Starts for Centaur_35:

(Start: 76 @26808 has 118 MA's), (Start: 92 @26754 has 14 MA's), (Start: 108 @26685 has 6 MA's), (121, 26640), (178, 26484), (191, 26457), (209, 26421), (246, 26364), (299, 26241), (311, 26223), (359, 26133), (365, 26121), (402, 26046), (405, 26040), (412, 26019), (420, 26004), (431, 25986), (441, 25959), (445, 25950), (498, 25848), (511, 25800), (517, 25770), (519, 25764), (522, 25752), (538, 25713),

Gene: Cerulean_34 Start: 26519, Stop: 25467, Start Num: 95

Candidate Starts for Cerulean_34:

(Start: 55 @26633 has 3 MA's), (68, 26606), (Start: 76 @26588 has 118 MA's), (Start: 95 @26519 has 8 MA's), (Start: 108 @26465 has 6 MA's), (186, 26246), (191, 26237), (209, 26201), (241, 26159), (245, 26147), (246, 26144), (348, 25931), (359, 25913), (402, 25826), (405, 25820), (412, 25799), (420, 25784), (431, 25766), (498, 25628), (511, 25580), (517, 25550), (519, 25544), (522, 25532), (538, 25493),

Gene: ChampagnePapi_34 Start: 26518, Stop: 25466, Start Num: 95

Candidate Starts for ChampagnePapi_34:

(68, 26605), (Start: 76 @26587 has 118 MA's), (Start: 95 @26518 has 8 MA's), (Start: 108 @26464 has 6 MA's), (186, 26245), (191, 26236), (209, 26200), (241, 26158), (245, 26146), (246, 26143), (348, 25930), (359, 25912), (402, 25825), (405, 25819), (412, 25798), (420, 25783), (431, 25765), (498, 25627), (511, 25579), (517, 25549), (519, 25543), (522, 25531), (538, 25492),

Gene: Che12_36 Start: 25378, Stop: 24263, Start Num: 81

Candidate Starts for Che12_36:

(Start: 81 @25378 has 6 MA's), (99, 25297), (Start: 108 @25261 has 6 MA's), (121, 25216), (151, 25129), (183, 25048), (209, 24997), (241, 24955), (245, 24943), (246, 24940), (276, 24862), (335, 24754), (348, 24727), (359, 24709), (365, 24697), (384, 24676), (402, 24622), (412, 24595), (420, 24580), (431, 24562), (441, 24535), (498, 24424), (511, 24376), (517, 24346), (519, 24340), (522, 24328), (538, 24289),

Gene: Che9c_41 Start: 33550, Stop: 32348, Start Num: 36

Candidate Starts for Che9c_41:

(Start: 36 @33550 has 7 MA's), (74, 33478), (75, 33475), (85, 33457), (87, 33445), (114, 33340), (152, 33229), (154, 33226), (180, 33163), (226, 33082), (254, 33028), (286, 32953), (331, 32878), (362, 32824), (364, 32818), (452, 32641), (454, 32638), (456, 32635), (464, 32614), (482, 32578), (502, 32512), (505, 32497), (522, 32431),

Gene: Chickaboom_35 Start: 24249, Stop: 23065, Start Num: 38

Candidate Starts for Chickaboom_35:

(Start: 38 @24249 has 31 MA's), (Start: 65 @24192 has 2 MA's), (116, 24030), (118, 24021), (172, 23895), (201, 23832), (208, 23820), (218, 23805), (264, 23715), (310, 23604), (358, 23511), (411, 23397), (416, 23385), (428, 23367), (499, 23223), (501, 23214),

Gene: ChipMunk_36 Start: 28148, Stop: 27003, Start Num: 60

Candidate Starts for ChipMunk_36:

(Start: 60 @28148 has 7 MA's), (Start: 69 @28130 has 7 MA's), (Start: 95 @28049 has 8 MA's), (Start: 108 @28001 has 6 MA's), (121, 27956), (178, 27800), (186, 27782), (191, 27773), (209, 27737), (241, 27695), (246, 27680), (250, 27668), (276, 27602), (289, 27569), (299, 27557), (311, 27539), (359, 27449), (365, 27437), (402, 27362), (405, 27356), (412, 27335), (420, 27320), (431, 27302), (441, 27275), (445, 27266), (498, 27164), (511, 27116), (512, 27113), (517, 27086), (519, 27080), (522, 27068), (538, 27029),

Gene: Chiqui_32 Start: 26616, Stop: 25483, Start Num: 71

Candidate Starts for Chiqui_32:

(Start: 71 @26616 has 3 MA's), (Start: 95 @26535 has 8 MA's), (Start: 108 @26481 has 6 MA's), (121, 26436), (188, 26259), (191, 26253), (209, 26217), (246, 26160), (276, 26082), (359, 25929), (365, 25917), (402, 25842), (405, 25836), (412, 25815), (420, 25800), (431, 25782), (440, 25758), (511, 25596), (517, 25566), (519, 25560), (522, 25548), (538, 25509),

Gene: Chop_39 Start: 31803, Stop: 30532, Start Num: 37

Candidate Starts for Chop_39:

(Start: 37 @31803 has 32 MA's), (44, 31788), (88, 31686), (97, 31644), (101, 31632), (121, 31557), (149, 31482), (154, 31473), (161, 31455), (216, 31356), (218, 31353), (264, 31263), (317, 31158), (363, 31062), (366, 31056), (439, 30894), (496, 30753), (507, 30708), (520, 30657), (522, 30648), (527, 30633), (534, 30621), (539, 30609), (563, 30570),

Gene: ClubL_83 Start: 50811, Stop: 52109, Start Num: 51

Candidate Starts for ClubL_83:

(Start: 51 @50811 has 12 MA's), (Start: 82 @50877 has 1 MA's), (105, 50979), (111, 51006), (114, 51018), (125, 51048), (138, 51087), (144, 51105), (177, 51171), (189, 51180), (243, 51264), (275, 51354), (344, 51513), (347, 51519), (348, 51522), (398, 51648), (431, 51717), (465, 51795), (488, 51846), (494, 51873), (501, 51909), (502, 51912), (503, 51915), (504, 51921), (507, 51933), (509, 51939), (510, 51942), (511, 51945), (517, 51975), (533, 52023), (537, 52032), (552, 52062),

Gene: Colbster_36 Start: 26790, Stop: 25645, Start Num: 76

Candidate Starts for Colbster_36:

(Start: 76 @26790 has 118 MA's), (Start: 90 @26751 has 10 MA's), (99, 26703), (Start: 108 @26667 has 6 MA's), (121, 26622), (178, 26466), (191, 26439), (209, 26403), (246, 26346), (276, 26268), (285, 26244), (311, 26205), (348, 26133), (354, 26121), (359, 26115), (365, 26103), (402, 26028), (405, 26022), (412, 26001), (420, 25986), (431, 25968), (440, 25944), (498, 25830), (510, 25785), (511, 25782), (514, 25773), (517, 25752), (519, 25746), (522, 25734), (538, 25695),

Gene: Colin_37 Start: 27841, Stop: 26711, Start Num: 76

Candidate Starts for Colin_37:

(Start: 76 @27841 has 118 MA's), (Start: 108 @27721 has 6 MA's), (121, 27676), (186, 27502), (191, 27493), (209, 27457), (245, 27403), (246, 27400), (276, 27322), (289, 27289), (299, 27277), (359, 27169), (365, 27157), (402, 27082), (412, 27055), (420, 27040), (431, 27022), (441, 26995), (511, 26836), (517, 26806), (519, 26800), (522, 26788), (538, 26749),

Gene: Colleen_32 Start: 30114, Stop: 28903, Start Num: 39

Candidate Starts for Colleen_32:

(Start: 39 @30114 has 4 MA's), (107, 29940), (155, 29799), (232, 29640), (293, 29490), (336, 29400), (459, 29136), (475, 29100), (478, 29094), (534, 28929), (540, 28914), (542, 28911),

Gene: Colusalem_39 Start: 23996, Stop: 22809, Start Num: 38

Candidate Starts for Colusalem_39:

(12, 24086), (Start: 38 @23996 has 31 MA's), (172, 23642), (208, 23567), (416, 23132), (494, 22997),

Gene: Commander_33 Start: 26250, Stop: 25129, Start Num: 76

Candidate Starts for Commander_33:

(Start: 55 @26295 has 3 MA's), (68, 26268), (Start: 76 @26250 has 118 MA's), (Start: 95 @26181 has 8 MA's), (Start: 108 @26127 has 6 MA's), (186, 25908), (191, 25899), (209, 25863), (241, 25821), (245, 25809), (246, 25806), (276, 25728), (348, 25593), (359, 25575), (402, 25488), (412, 25461), (420, 25446), (431, 25428), (498, 25290), (511, 25242), (517, 25212), (519, 25206), (522, 25194), (538, 25155),

Gene: Constella_68 Start: 47200, Stop: 48429, Start Num: 23

Candidate Starts for Constella_68:

(Start: 23 @47200 has 29 MA's), (Start: 26 @47218 has 1 MA's), (Start: 43 @47257 has 1 MA's), (128, 47494), (168, 47602), (241, 47722), (242, 47725), (245, 47734), (250, 47749), (265, 47788), (299, 47866), (366, 47983), (377, 47986), (381, 47995), (399, 48046), (401, 48049), (407, 48067), (455, 48163), (483, 48220), (516, 48340), (517, 48343), (523, 48367), (534, 48391), (535, 48394),

Gene: Coral_36 Start: 23868, Stop: 22681, Start Num: 38

Candidate Starts for Coral_36:

(12, 23958), (Start: 38 @23868 has 31 MA's), (208, 23439), (416, 23004), (494, 22869),

Gene: Cote_38 Start: 24345, Stop: 23158, Start Num: 38

Candidate Starts for Cote_38:

(12, 24435), (Start: 38 @24345 has 31 MA's), (208, 23916), (416, 23481), (494, 23346),

Gene: Courthouse_82 Start: 49663, Stop: 50937, Start Num: 16

Candidate Starts for Courthouse_82:

(9, 49606), (Start: 13 @49648 has 1 MA's), (Start: 16 @49663 has 10 MA's), (17, 49666), (Start: 26 @49711 has 1 MA's), (Start: 43 @49750 has 1 MA's), (186, 50131), (241, 50215), (245, 50227), (246, 50230), (299, 50359), (377, 50479), (401, 50542), (407, 50560), (417, 50584), (455, 50656), (516, 50833), (517, 50836), (519, 50842), (523, 50860), (529, 50875), (534, 50884), (535, 50887), (558, 50932),

Gene: Crucio_34 Start: 26336, Stop: 25269, Start Num: 92

Candidate Starts for Crucio_34:

(Start: 45 @26453 has 2 MA's), (Start: 76 @26390 has 118 MA's), (Start: 92 @26336 has 14 MA's), (Start: 108 @26267 has 6 MA's), (121, 26222), (166, 26096), (186, 26048), (191, 26039), (209, 26003), (245, 25949), (246, 25946), (299, 25823), (311, 25805), (328, 25775), (354, 25721), (359, 25715), (365, 25703), (402, 25628), (405, 25622), (412, 25601), (420, 25586), (431, 25568), (441, 25541), (498, 25430), (511, 25382), (517, 25352), (519, 25346), (522, 25334), (538, 25295),

Gene: Cucurbita_85 Start: 52630, Stop: 53928, Start Num: 51

Candidate Starts for Cucurbita_85:

(Start: 51 @52630 has 12 MA's), (Start: 82 @52696 has 1 MA's), (105, 52798), (111, 52825), (114, 52837), (125, 52867), (138, 52906), (144, 52924), (177, 52990), (189, 52999), (243, 53083), (275, 53173), (344, 53332), (347, 53338), (348, 53341), (398, 53467), (431, 53536), (465, 53614), (488, 53665), (494, 53692), (501, 53728), (502, 53731), (503, 53734), (504, 53740), (507, 53752), (509, 53758), (510, 53761), (511, 53764), (517, 53794), (533, 53842), (537, 53851), (552, 53881),

Gene: Cullens_36 Start: 26789, Stop: 25644, Start Num: 76

Candidate Starts for Cullens_36:

(Start: 76 @26789 has 118 MA's), (Start: 90 @26750 has 10 MA's), (99, 26702), (Start: 108 @26666 has 6 MA's), (121, 26621), (178, 26465), (191, 26438), (209, 26402), (246, 26345), (276, 26267), (285, 26243), (311, 26204), (348, 26132), (354, 26120), (359, 26114), (365, 26102), (402, 26027), (405, 26021), (412, 26000), (420, 25985), (431, 25967), (440, 25943), (498, 25829), (510, 25784), (511, 25781), (514, 25772), (517, 25751), (519, 25745), (522, 25733), (538, 25694),

Gene: Culver_85 Start: 50733, Stop: 52031, Start Num: 51

Candidate Starts for Culver_85:

(20, 50664), (Start: 51 @50733 has 12 MA's), (102, 50892), (114, 50940), (125, 50970), (138, 51009), (144, 51027), (145, 51033), (189, 51102), (308, 51357), (344, 51435), (347, 51441), (348, 51444), (420, 51621), (431, 51639), (460, 51705), (474, 51744), (488, 51768), (494, 51795), (501, 51831), (502, 51834), (503, 51837), (504, 51843), (507, 51855), (509, 51861), (510, 51864), (511, 51867), (517, 51897), (533, 51945), (537, 51954), (550, 51981), (552, 51984), (559, 51999),

Gene: D29_33 Start: 26474, Stop: 25350, Start Num: 76

Candidate Starts for D29_33:

(Start: 76 @26474 has 118 MA's), (Start: 92 @26420 has 14 MA's), (Start: 108 @26351 has 6 MA's), (178, 26150), (179, 26147), (191, 26123), (209, 26087), (246, 26030), (256, 26003), (276, 25952), (289, 25919), (299, 25907), (311, 25889), (348, 25817), (359, 25799), (365, 25787), (402, 25712), (405, 25706), (412, 25685), (420, 25670), (431, 25652), (441, 25625), (498, 25514), (511, 25466), (512, 25463), (517, 25436), (519, 25430), (522, 25418), (538, 25379),

Gene: D32_37 Start: 26474, Stop: 25350, Start Num: 76

Candidate Starts for D32_37:

(Start: 76 @26474 has 118 MA's), (Start: 92 @26420 has 14 MA's), (Start: 108 @26351 has 6 MA's), (178, 26150), (179, 26147), (191, 26123), (209, 26087), (246, 26030), (256, 26003), (276, 25952), (289, 25919), (299, 25907), (311, 25889), (348, 25817), (359, 25799), (365, 25787), (402, 25712), (405, 25706), (412, 25685), (420, 25670), (431, 25652), (441, 25625), (498, 25514), (511, 25466), (512, 25463), (517, 25436), (519, 25430), (522, 25418), (538, 25379),

Gene: DBQu4n_37 Start: 26474, Stop: 25350, Start Num: 76

Candidate Starts for DBQu4n_37:

(Start: 76 @26474 has 118 MA's), (Start: 92 @26420 has 14 MA's), (Start: 108 @26351 has 6 MA's), (178, 26150), (191, 26123), (209, 26087), (246, 26030), (256, 26003), (276, 25952), (289, 25919), (299, 25907), (311, 25889), (348, 25817), (359, 25799), (365, 25787), (390, 25748), (402, 25712), (405, 25706), (412, 25685), (420, 25670), (431, 25652), (441, 25625), (498, 25514), (511, 25466), (512, 25463), (517, 25436), (519, 25430), (522, 25418), (538, 25379),

Gene: DaHudson_36 Start: 26782, Stop: 25637, Start Num: 76

Candidate Starts for DaHudson_36:

(Start: 76 @26782 has 118 MA's), (Start: 90 @26743 has 10 MA's), (Start: 108 @26659 has 6 MA's), (121, 26614), (178, 26458), (191, 26431), (209, 26395), (246, 26338), (276, 26260), (285, 26236), (311, 26197), (348, 26125), (354, 26113), (359, 26107), (365, 26095), (402, 26020), (405, 26014), (412, 25993), (420, 25978), (431, 25960), (440, 25936), (498, 25822), (510, 25777), (511, 25774), (514, 25765), (517, 25744), (519, 25738), (522, 25726), (538, 25687),

Gene: Daegal_30 Start: 26772, Stop: 25579, Start Num: 47

Candidate Starts for Daegal_30:

(Start: 29 @26814 has 2 MA's), (Start: 47 @26772 has 20 MA's), (84, 26706), (100, 26625), (109, 26586), (114, 26571), (115, 26565), (118, 26553), (130, 26526), (142, 26493), (164, 26436), (179, 26403), (180, 26400), (205, 26352), (233, 26310), (236, 26307), (248, 26283), (252, 26268), (263, 26244), (270, 26229), (286, 26190), (297, 26178), (316, 26139), (336, 26100), (364, 26052), (366, 26049), (403, 25977), (406, 25971), (409, 25959), (411, 25956), (413, 25950), (442, 25896), (450,

25878), (452, 25875), (464, 25848), (476, 25821), (495, 25779), (500, 25752), (502, 25746), (515, 25689), (536, 25626), (538, 25623),

Gene: Dallas_80 Start: 51984, Stop: 53213, Start Num: 23

Candidate Starts for Dallas_80:

(Start: 23 @51984 has 29 MA's), (Start: 26 @52002 has 1 MA's), (Start: 43 @52041 has 1 MA's), (128, 52278), (168, 52386), (241, 52506), (242, 52509), (245, 52518), (250, 52533), (265, 52572), (299, 52650), (360, 52755), (366, 52767), (377, 52770), (381, 52779), (399, 52830), (401, 52833), (407, 52851), (455, 52947), (483, 53004), (516, 53124), (517, 53127), (523, 53151), (534, 53175), (535, 53178),

Gene: Dalmatian_35 Start: 26758, Stop: 25637, Start Num: 76

Candidate Starts for Dalmatian_35:

(Start: 45 @26821 has 2 MA's), (Start: 76 @26758 has 118 MA's), (Start: 92 @26704 has 14 MA's), (Start: 108 @26635 has 6 MA's), (121, 26590), (178, 26434), (209, 26371), (250, 26302), (266, 26260), (276, 26236), (311, 26173), (359, 26083), (365, 26071), (402, 25996), (405, 25990), (412, 25969), (420, 25954), (431, 25936), (441, 25909), (498, 25798), (510, 25753), (511, 25750), (512, 25747), (517, 25720), (519, 25714), (522, 25702), (538, 25663),

Gene: Daob_38 Start: 24353, Stop: 23166, Start Num: 38

Candidate Starts for Daob_38:

(12, 24443), (Start: 38 @24353 has 31 MA's), (172, 23999), (208, 23924), (416, 23489), (494, 23354),

Gene: Daredevil_54 Start: 42698, Stop: 44056, Start Num: 46

Candidate Starts for Daredevil_54:

(5, 42389), (7, 42473), (10, 42575), (Start: 35 @42677 has 1 MA's), (Start: 46 @42698 has 1 MA's), (137, 42977), (167, 43061), (174, 43070), (181, 43085), (247, 43208), (251, 43223), (258, 43241), (268, 43271), (337, 43433), (394, 43580), (396, 43586), (413, 43628), (426, 43649), (428, 43652), (432, 43661), (449, 43703), (460, 43724), (502, 43853), (504, 43862), (509, 43880), (523, 43937), (547, 43988),

Gene: DeepSoil15_29 Start: 26478, Stop: 25285, Start Num: 47

Candidate Starts for DeepSoil15_29:

(Start: 29 @26520 has 2 MA's), (Start: 47 @26478 has 20 MA's), (84, 26412), (100, 26331), (109, 26292), (114, 26277), (115, 26271), (118, 26259), (130, 26232), (142, 26199), (164, 26142), (179, 26109), (180, 26106), (205, 26058), (233, 26016), (236, 26013), (248, 25989), (252, 25974), (263, 25950), (270, 25935), (286, 25896), (297, 25884), (316, 25845), (336, 25806), (364, 25758), (366, 25755), (403, 25683), (406, 25677), (409, 25665), (411, 25662), (413, 25656), (442, 25602), (450, 25584), (452, 25581), (464, 25554), (472, 25536), (473, 25530), (476, 25527), (495, 25485), (500, 25458), (502, 25452), (515, 25395), (536, 25332), (538, 25329),

Gene: DelRio_40 Start: 32511, Stop: 31240, Start Num: 37

Candidate Starts for DelRio_40:

(25, 32535), (Start: 37 @32511 has 32 MA's), (44, 32496), (88, 32394), (97, 32352), (101, 32340), (121, 32265), (149, 32190), (154, 32181), (161, 32163), (216, 32064), (218, 32061), (264, 31971), (312, 31875), (317, 31866), (363, 31770), (377, 31746), (439, 31602), (496, 31461), (507, 31416), (520, 31365), (522, 31356), (527, 31341), (534, 31329), (539, 31317), (563, 31278),

Gene: Dewey_29 Start: 26478, Stop: 25285, Start Num: 47

Candidate Starts for Dewey_29:

(Start: 29 @26520 has 2 MA's), (Start: 47 @26478 has 20 MA's), (84, 26412), (100, 26331), (109, 26292), (114, 26277), (115, 26271), (118, 26259), (130, 26232), (142, 26199), (164, 26142), (179, 26109), (180, 26106), (205, 26058), (233, 26016), (236, 26013), (248, 25989), (252, 25974), (263,

25950), (270, 25935), (286, 25896), (297, 25884), (316, 25845), (336, 25806), (364, 25758), (366, 25755), (403, 25683), (406, 25677), (409, 25665), (411, 25662), (413, 25656), (442, 25602), (450, 25584), (452, 25581), (464, 25554), (472, 25536), (473, 25530), (476, 25527), (495, 25485), (500, 25458), (502, 25452), (515, 25395), (536, 25332), (538, 25329),

Gene: Dieselweasel_36 Start: 26792, Stop: 25647, Start Num: 76

Candidate Starts for Dieselweasel_36:

(Start: 76 @26792 has 118 MA's), (Start: 90 @26753 has 10 MA's), (99, 26705), (Start: 108 @26669 has 6 MA's), (121, 26624), (178, 26468), (191, 26441), (209, 26405), (246, 26348), (276, 26270), (285, 26246), (311, 26207), (348, 26135), (354, 26123), (359, 26117), (365, 26105), (402, 26030), (405, 26024), (412, 26003), (420, 25988), (431, 25970), (440, 25946), (498, 25832), (510, 25787), (511, 25784), (514, 25775), (517, 25754), (519, 25748), (522, 25736), (538, 25697),

Gene: Dignity_35 Start: 26759, Stop: 25632, Start Num: 69

Candidate Starts for Dignity_35:

(Start: 60 @26777 has 7 MA's), (Start: 69 @26759 has 7 MA's), (Start: 95 @26675 has 8 MA's), (Start: 108 @26627 has 6 MA's), (121, 26582), (191, 26399), (209, 26363), (246, 26306), (250, 26294), (289, 26195), (299, 26183), (311, 26165), (359, 26075), (402, 25988), (405, 25982), (412, 25961), (420, 25946), (431, 25928), (441, 25901), (498, 25790), (511, 25742), (512, 25739), (517, 25712), (519, 25706), (522, 25694), (538, 25655),

Gene: DinoDaryn_38 Start: 27370, Stop: 26255, Start Num: 63

Candidate Starts for DinoDaryn_38:

(Start: 63 @27370 has 12 MA's), (192, 27031), (213, 26998), (349, 26704), (361, 26692), (442, 26512), (514, 26341), (519, 26314),

Gene: DmpstrDiver_82 Start: 52410, Stop: 53639, Start Num: 23

Candidate Starts for DmpstrDiver_82:

(Start: 23 @52410 has 29 MA's), (Start: 26 @52428 has 1 MA's), (Start: 43 @52467 has 1 MA's), (128, 52704), (168, 52812), (241, 52932), (242, 52935), (245, 52944), (250, 52959), (265, 52998), (299, 53076), (360, 53181), (366, 53193), (377, 53196), (381, 53205), (399, 53256), (401, 53259), (407, 53277), (455, 53373), (483, 53430), (516, 53550), (517, 53553), (523, 53577), (534, 53601), (535, 53604),

Gene: Dori_45 Start: 42022, Stop: 40820, Start Num: 36

Candidate Starts for Dori_45:

(Start: 36 @42022 has 7 MA's), (75, 41947), (86, 41923), (87, 41917), (114, 41812), (152, 41701), (154, 41698), (180, 41635), (254, 41500), (263, 41479), (286, 41425), (362, 41296), (364, 41290), (452, 41113), (454, 41110), (456, 41107), (464, 41086), (482, 41050), (502, 40984), (505, 40969), (522, 40903), (531, 40879), (545, 40849),

Gene: Dove_67 Start: 48492, Stop: 49721, Start Num: 23

Candidate Starts for Dove_67:

(Start: 23 @48492 has 29 MA's), (Start: 26 @48510 has 1 MA's), (Start: 43 @48549 has 1 MA's), (128, 48786), (168, 48894), (241, 49014), (242, 49017), (245, 49026), (250, 49041), (265, 49080), (299, 49158), (360, 49263), (366, 49275), (377, 49278), (381, 49287), (399, 49338), (401, 49341), (407, 49359), (455, 49455), (483, 49512), (516, 49632), (517, 49635), (523, 49659), (534, 49683), (535, 49686),

Gene: Drake55_36 Start: 26836, Stop: 25769, Start Num: 92

Candidate Starts for Drake55_36:

(Start: 45 @26953 has 2 MA's), (Start: 76 @26890 has 118 MA's), (Start: 92 @26836 has 14 MA's), (Start: 108 @26767 has 6 MA's), (121, 26722), (125, 26716), (145, 26650), (167, 26593), (209,

26503), (266, 26392), (276, 26368), (289, 26335), (299, 26323), (359, 26215), (361, 26212), (402, 26128), (405, 26122), (412, 26101), (420, 26086), (431, 26068), (511, 25882), (517, 25852), (519, 25846), (522, 25834), (538, 25795),

Gene: DropBear_33 Start: 26364, Stop: 25237, Start Num: 76

Candidate Starts for DropBear_33:

(Start: 76 @26364 has 118 MA's), (99, 26277), (Start: 108 @26241 has 6 MA's), (121, 26196), (141, 26136), (178, 26040), (183, 26028), (186, 26022), (209, 25977), (245, 25923), (246, 25920), (255, 25896), (348, 25707), (359, 25689), (365, 25677), (390, 25638), (402, 25602), (405, 25596), (412, 25575), (420, 25560), (431, 25542), (498, 25404), (511, 25356), (517, 25326), (519, 25320), (522, 25308), (538, 25269),

Gene: DudeLittle_33 Start: 26423, Stop: 25302, Start Num: 67

Candidate Starts for DudeLittle_33:

(Start: 53 @26453 has 2 MA's), (Start: 67 @26423 has 8 MA's), (Start: 92 @26372 has 14 MA's), (Start: 108 @26303 has 6 MA's), (121, 26258), (178, 26102), (191, 26075), (209, 26039), (241, 25997), (246, 25982), (276, 25904), (289, 25871), (299, 25859), (311, 25841), (359, 25751), (365, 25739), (402, 25664), (405, 25658), (412, 25637), (420, 25622), (431, 25604), (441, 25577), (445, 25568), (511, 25418), (512, 25415), (517, 25388), (519, 25382), (522, 25370), (538, 25331),

Gene: Duke13_85 Start: 52764, Stop: 53993, Start Num: 23

Candidate Starts for Duke13_85:

(Start: 23 @52764 has 29 MA's), (Start: 26 @52782 has 1 MA's), (Start: 43 @52821 has 1 MA's), (128, 53058), (168, 53166), (241, 53286), (242, 53289), (245, 53298), (250, 53313), (265, 53352), (299, 53430), (360, 53535), (366, 53547), (377, 53550), (381, 53559), (399, 53610), (401, 53613), (407, 53631), (455, 53727), (483, 53784), (516, 53904), (517, 53907), (523, 53931), (534, 53955), (535, 53958),

Gene: DumpsterDude_40 Start: 35157, Stop: 33988, Start Num: 37

Candidate Starts for DumpsterDude_40:

(Start: 37 @35157 has 32 MA's), (96, 35001), (121, 34914), (152, 34833), (169, 34797), (199, 34743), (201, 34737), (208, 34725), (216, 34713), (264, 34620), (266, 34614), (279, 34584), (317, 34515), (320, 34512), (335, 34482), (336, 34479), (364, 34431), (403, 34359), (494, 34197), (496, 34185), (502, 34158), (517, 34098), (520, 34089), (538, 34044), (557, 34005),

Gene: Duplo_37 Start: 26512, Stop: 25388, Start Num: 76

Candidate Starts for Duplo_37:

(Start: 76 @26512 has 118 MA's), (Start: 92 @26458 has 14 MA's), (Start: 108 @26389 has 6 MA's), (178, 26188), (191, 26161), (209, 26125), (245, 26071), (246, 26068), (256, 26041), (276, 25990), (289, 25957), (299, 25945), (311, 25927), (348, 25855), (359, 25837), (365, 25825), (390, 25786), (402, 25750), (405, 25744), (412, 25723), (420, 25708), (431, 25690), (441, 25663), (498, 25552), (511, 25504), (512, 25501), (517, 25474), (519, 25468), (522, 25456), (538, 25417),

Gene: Dusty_80 Start: 50323, Stop: 51621, Start Num: 51

Candidate Starts for Dusty_80:

(Start: 51 @50323 has 12 MA's), (Start: 82 @50389 has 1 MA's), (105, 50491), (111, 50518), (114, 50530), (125, 50560), (138, 50599), (144, 50617), (177, 50683), (189, 50692), (243, 50776), (275, 50866), (344, 51025), (347, 51031), (348, 51034), (398, 51160), (431, 51229), (465, 51307), (488, 51358), (494, 51385), (501, 51421), (502, 51424), (503, 51427), (504, 51433), (507, 51445), (509, 51451), (510, 51454), (511, 51457), (517, 51487), (533, 51535), (537, 51544), (552, 51574),

Gene: Eagle_32 Start: 26273, Stop: 25152, Start Num: 76

Candidate Starts for Eagle_32:

(Start: 55 @26318 has 3 MA's), (68, 26291), (Start: 76 @26273 has 118 MA's), (Start: 95 @26204 has 8 MA's), (Start: 108 @26150 has 6 MA's), (186, 25931), (191, 25922), (209, 25886), (241, 25844), (245, 25832), (246, 25829), (276, 25751), (348, 25616), (359, 25598), (402, 25511), (405, 25505), (412, 25484), (420, 25469), (431, 25451), (498, 25313), (511, 25265), (517, 25235), (519, 25229), (522, 25217), (538, 25178),

Gene: Easley_35 Start: 28370, Stop: 27201, Start Num: 37

Candidate Starts for Easley_35:

(Start: 37 @28370 has 32 MA's), (121, 28127), (154, 28043), (169, 28010), (208, 27938), (216, 27926), (245, 27881), (264, 27833), (317, 27728), (320, 27725), (335, 27695), (338, 27686), (403, 27572), (438, 27500), (439, 27497), (449, 27473), (453, 27467), (458, 27455), (494, 27410), (496, 27398), (502, 27371), (527, 27278), (538, 27257), (557, 27218),

Gene: Eesa_33 Start: 25111, Stop: 23927, Start Num: 38

Candidate Starts for Eesa_33:

(Start: 38 @25111 has 31 MA's), (116, 24892), (124, 24874), (172, 24757), (218, 24667), (369, 24352), (411, 24259), (416, 24247), (428, 24229), (494, 24112), (501, 24076),

Gene: Ein37_29 Start: 26478, Stop: 25285, Start Num: 47

Candidate Starts for Ein37_29:

(Start: 29 @26520 has 2 MA's), (Start: 47 @26478 has 20 MA's), (84, 26412), (100, 26331), (109, 26292), (114, 26277), (115, 26271), (118, 26259), (130, 26232), (142, 26199), (164, 26142), (179, 26109), (180, 26106), (205, 26058), (233, 26016), (236, 26013), (248, 25989), (252, 25974), (263, 25950), (270, 25935), (286, 25896), (297, 25884), (316, 25845), (336, 25806), (364, 25758), (366, 25755), (403, 25683), (406, 25677), (409, 25665), (411, 25662), (413, 25656), (442, 25602), (450, 25584), (452, 25581), (464, 25554), (472, 25536), (473, 25530), (476, 25527), (495, 25485), (500, 25458), (502, 25452), (515, 25395), (536, 25332), (538, 25329),

Gene: Ejimix_81 Start: 53852, Stop: 55081, Start Num: 23

Candidate Starts for Ejimix_81:

(Start: 23 @53852 has 29 MA's), (Start: 26 @53870 has 1 MA's), (Start: 43 @53909 has 1 MA's), (128, 54146), (168, 54254), (241, 54374), (242, 54377), (245, 54386), (250, 54401), (265, 54440), (299, 54518), (366, 54635), (377, 54638), (381, 54647), (399, 54698), (401, 54701), (407, 54719), (455, 54815), (483, 54872), (516, 54992), (517, 54995), (523, 55019), (534, 55043), (535, 55046),

Gene: Engineer_85 Start: 52096, Stop: 53394, Start Num: 51

Candidate Starts for Engineer_85:

(Start: 51 @52096 has 12 MA's), (Start: 82 @52162 has 1 MA's), (105, 52264), (111, 52291), (114, 52303), (125, 52333), (138, 52372), (144, 52390), (177, 52456), (189, 52465), (243, 52549), (275, 52639), (344, 52798), (347, 52804), (348, 52807), (398, 52933), (431, 53002), (465, 53080), (488, 53131), (494, 53158), (501, 53194), (502, 53197), (503, 53200), (504, 53206), (507, 53218), (509, 53224), (510, 53227), (511, 53230), (517, 53260), (533, 53308), (537, 53317), (552, 53347),

Gene: EpicPhail_36 Start: 26790, Stop: 25645, Start Num: 76

Candidate Starts for EpicPhail_36:

(Start: 76 @26790 has 118 MA's), (Start: 90 @26751 has 10 MA's), (99, 26703), (Start: 108 @26667 has 6 MA's), (121, 26622), (178, 26466), (191, 26439), (209, 26403), (246, 26346), (276, 26268), (285, 26244), (311, 26205), (348, 26133), (354, 26121), (359, 26115), (365, 26103), (402, 26028), (405, 26022), (412, 26001), (420, 25986), (431, 25968), (440, 25944), (498, 25830), (510, 25785), (511, 25782), (514, 25773), (517, 25752), (519, 25746), (522, 25734), (538, 25695),

Gene: Equemioh13_35 Start: 26811, Stop: 25678, Start Num: 76

Candidate Starts for Equemioh13_35:

(Start: 76 @26811 has 118 MA's), (Start: 92 @26757 has 14 MA's), (Start: 108 @26688 has 6 MA's), (121, 26643), (178, 26487), (191, 26460), (209, 26424), (246, 26367), (299, 26244), (311, 26226), (359, 26136), (365, 26124), (402, 26049), (405, 26043), (412, 26022), (420, 26007), (431, 25989), (441, 25962), (445, 25953), (498, 25851), (511, 25803), (517, 25773), (519, 25767), (522, 25755), (538, 25716),

Gene: EricMillard_80 Start: 53055, Stop: 54284, Start Num: 23

Candidate Starts for EricMillard_80:

(Start: 23 @53055 has 29 MA's), (Start: 26 @53073 has 1 MA's), (Start: 43 @53112 has 1 MA's), (128, 53349), (168, 53457), (241, 53577), (242, 53580), (245, 53589), (250, 53604), (265, 53643), (299, 53721), (360, 53826), (366, 53838), (377, 53841), (381, 53850), (399, 53901), (401, 53904), (407, 53922), (455, 54018), (483, 54075), (516, 54195), (517, 54198), (523, 54222), (534, 54246), (535, 54249),

Gene: Eurydice_33 Start: 26248, Stop: 25127, Start Num: 76

Candidate Starts for Eurydice_33:

(Start: 55 @26293 has 3 MA's), (68, 26266), (Start: 76 @26248 has 118 MA's), (Start: 95 @26179 has 8 MA's), (Start: 108 @26125 has 6 MA's), (186, 25906), (191, 25897), (209, 25861), (241, 25819), (245, 25807), (246, 25804), (276, 25726), (348, 25591), (359, 25573), (402, 25486), (405, 25480), (412, 25459), (420, 25444), (431, 25426), (498, 25288), (511, 25240), (517, 25210), (519, 25204), (522, 25192), (538, 25153),

Gene: Evanesce_29 Start: 26478, Stop: 25285, Start Num: 47

Candidate Starts for Evanesce_29:

(Start: 29 @26520 has 2 MA's), (Start: 47 @26478 has 20 MA's), (84, 26412), (100, 26331), (109, 26292), (114, 26277), (115, 26271), (118, 26259), (130, 26232), (142, 26199), (164, 26142), (179, 26109), (180, 26106), (205, 26058), (233, 26016), (236, 26013), (248, 25989), (252, 25974), (263, 25950), (270, 25935), (286, 25896), (297, 25884), (316, 25845), (336, 25806), (364, 25758), (366, 25755), (403, 25683), (406, 25677), (409, 25665), (411, 25662), (413, 25656), (442, 25602), (450, 25584), (452, 25581), (464, 25554), (472, 25536), (473, 25530), (476, 25527), (495, 25485), (500, 25458), (502, 25452), (515, 25395), (536, 25332), (538, 25329),

Gene: EvilGenius_36 Start: 28005, Stop: 27007, Start Num: 108

Candidate Starts for EvilGenius_36:

(Start: 60 @28152 has 7 MA's), (Start: 69 @28134 has 7 MA's), (Start: 95 @28053 has 8 MA's), (Start: 108 @28005 has 6 MA's), (121, 27960), (178, 27804), (191, 27777), (209, 27741), (246, 27684), (276, 27606), (289, 27573), (299, 27561), (311, 27543), (359, 27453), (365, 27441), (402, 27366), (405, 27360), (412, 27339), (420, 27324), (431, 27306), (441, 27279), (445, 27270), (498, 27168), (511, 27120), (512, 27117), (517, 27090), (519, 27084), (522, 27072), (538, 27033),

Gene: Fameo_34 Start: 26494, Stop: 25430, Start Num: 92

Candidate Starts for Fameo_34:

(Start: 53 @26575 has 2 MA's), (Start: 67 @26545 has 8 MA's), (Start: 92 @26494 has 14 MA's), (Start: 108 @26425 has 6 MA's), (121, 26380), (178, 26224), (191, 26197), (209, 26161), (246, 26104), (276, 26026), (289, 25993), (299, 25981), (311, 25963), (359, 25873), (365, 25861), (405, 25780), (412, 25759), (420, 25744), (431, 25726), (441, 25699), (498, 25588), (510, 25543), (511, 25540), (512, 25537), (517, 25510), (519, 25504), (522, 25492), (538, 25453),

Gene: Farber_36 Start: 26744, Stop: 25638, Start Num: 90

Candidate Starts for Farber_36:

(Start: 76 @26783 has 118 MA's), (Start: 90 @26744 has 10 MA's), (Start: 108 @26660 has 6 MA's), (121, 26615), (178, 26459), (191, 26432), (209, 26396), (246, 26339), (276, 26261), (285, 26237), (311, 26198), (348, 26126), (354, 26114), (359, 26108), (365, 26096), (402, 26021), (405, 26015),

(412, 25994), (420, 25979), (431, 25961), (440, 25937), (498, 25823), (510, 25778), (511, 25775), (514, 25766), (517, 25745), (519, 25739), (522, 25727), (538, 25688),

Gene: Fernando_36 Start: 26750, Stop: 25644, Start Num: 90

Candidate Starts for Fernando_36:

(Start: 76 @26789 has 118 MA's), (Start: 90 @26750 has 10 MA's), (99, 26702), (Start: 108 @26666 has 6 MA's), (121, 26621), (178, 26465), (191, 26438), (209, 26402), (246, 26345), (276, 26267), (285, 26243), (311, 26204), (348, 26132), (354, 26120), (359, 26114), (365, 26102), (402, 26027), (405, 26021), (412, 26000), (420, 25985), (431, 25967), (440, 25943), (498, 25829), (510, 25784), (511, 25781), (514, 25772), (517, 25751), (519, 25745), (522, 25733), (538, 25694),

Gene: Finkle_45 Start: 32773, Stop: 31643, Start Num: 62

Candidate Starts for Finkle_45:

(Start: 36 @32830 has 7 MA's), (Start: 62 @32773 has 2 MA's), (74, 32749), (87, 32716), (135, 32554), (191, 32419), (193, 32416), (227, 32350), (265, 32266), (268, 32257), (280, 32230), (299, 32188), (315, 32161), (367, 32056), (404, 31972), (449, 31870), (479, 31846), (503, 31795), (507, 31777), (513, 31759), (517, 31735), (521, 31723),

Gene: FiringLine_34 Start: 26370, Stop: 25255, Start Num: 67

Candidate Starts for FiringLine_34:

(Start: 53 @26400 has 2 MA's), (Start: 67 @26370 has 8 MA's), (Start: 108 @26250 has 6 MA's), (121, 26205), (178, 26049), (191, 26022), (209, 25986), (241, 25944), (246, 25929), (289, 25818), (299, 25806), (311, 25788), (359, 25698), (365, 25686), (402, 25611), (405, 25605), (412, 25584), (420, 25569), (431, 25551), (441, 25524), (445, 25515), (498, 25413), (510, 25368), (511, 25365), (512, 25362), (517, 25335), (519, 25329), (522, 25317), (538, 25278),

Gene: Flare16_34 Start: 26449, Stop: 25382, Start Num: 92

Candidate Starts for Flare16_34:

(Start: 45 @26566 has 2 MA's), (Start: 76 @26503 has 118 MA's), (Start: 92 @26449 has 14 MA's), (Start: 108 @26380 has 6 MA's), (121, 26335), (166, 26209), (191, 26152), (209, 26116), (245, 26062), (246, 26059), (299, 25936), (311, 25918), (359, 25828), (365, 25816), (402, 25741), (405, 25735), (412, 25714), (420, 25699), (431, 25681), (441, 25654), (511, 25495), (517, 25465), (519, 25459), (522, 25447), (538, 25408),

Gene: Forge_29 Start: 26478, Stop: 25285, Start Num: 47

Candidate Starts for Forge_29:

(Start: 29 @26520 has 2 MA's), (Start: 47 @26478 has 20 MA's), (84, 26412), (100, 26331), (109, 26292), (114, 26277), (115, 26271), (118, 26259), (130, 26232), (142, 26199), (164, 26142), (179, 26109), (180, 26106), (205, 26058), (233, 26016), (236, 26013), (248, 25989), (252, 25974), (263, 25950), (270, 25935), (286, 25896), (297, 25884), (316, 25845), (336, 25806), (364, 25758), (366, 25755), (403, 25683), (406, 25677), (409, 25665), (411, 25662), (413, 25656), (442, 25602), (450, 25584), (452, 25581), (464, 25554), (472, 25536), (473, 25530), (476, 25527), (495, 25485), (500, 25458), (502, 25452), (515, 25395), (536, 25332), (538, 25329),

Gene: Francois_38 Start: 31405, Stop: 30134, Start Num: 37

Candidate Starts for Francois_38:

(Start: 37 @31405 has 32 MA's), (44, 31390), (88, 31288), (97, 31246), (121, 31159), (149, 31084), (154, 31075), (161, 31057), (216, 30958), (218, 30955), (264, 30865), (312, 30769), (363, 30664), (366, 30658), (439, 30496), (496, 30355), (507, 30310), (520, 30259), (527, 30235), (534, 30223), (539, 30211), (563, 30172),

Gene: Fred313_33 Start: 26049, Stop: 24922, Start Num: 76

Candidate Starts for Fred313_33:

(Start: 76 @26049 has 118 MA's), (99, 25962), (Start: 108 @25926 has 6 MA's), (121, 25881), (141, 25821), (178, 25725), (183, 25713), (186, 25707), (209, 25662), (245, 25608), (246, 25605), (255, 25581), (348, 25392), (359, 25374), (365, 25362), (390, 25323), (402, 25287), (405, 25281), (412, 25260), (420, 25245), (431, 25227), (498, 25089), (511, 25041), (517, 25011), (519, 25005), (522, 24993), (538, 24954),

Gene: GMA4_29 Start: 26449, Stop: 25217, Start Num: 38

Candidate Starts for GMA4_29:

(Start: 38 @26449 has 31 MA's), (121, 26212), (126, 26203), (127, 26197), (216, 25981), (249, 25924), (283, 25837), (317, 25753), (322, 25747), (338, 25711), (403, 25570), (438, 25498), (499, 25381), (517, 25309), (525, 25276), (527, 25273),

Gene: Gaia_52 Start: 37562, Stop: 38833, Start Num: 16

Candidate Starts for Gaia_52:

(Start: 16 @37562 has 10 MA's), (Start: 26 @37610 has 1 MA's), (Start: 43 @37649 has 1 MA's), (143, 37928), (200, 38045), (241, 38114), (242, 38117), (245, 38126), (256, 38156), (282, 38222), (299, 38258), (318, 38285), (320, 38288), (328, 38303), (331, 38309), (349, 38342), (355, 38357), (358, 38360), (360, 38363), (366, 38375), (377, 38393), (381, 38402), (393, 38444), (397, 38450), (399, 38453), (417, 38498), (455, 38570), (488, 38636), (497, 38663), (516, 38747), (517, 38750), (524, 38777), (534, 38798),

Gene: Galaxy_33 Start: 24046, Stop: 22862, Start Num: 38

Candidate Starts for Galaxy_33:

(Start: 38 @24046 has 31 MA's), (172, 23692), (208, 23617), (218, 23602), (358, 23308), (369, 23287), (386, 23260), (411, 23194), (416, 23182), (428, 23164), (499, 23020), (501, 23011),

Gene: Gancho_28 Start: 26243, Stop: 25008, Start Num: 29

Candidate Starts for Gancho_28:

(Start: 29 @26243 has 2 MA's), (Start: 47 @26201 has 20 MA's), (84, 26135), (96, 26066), (100, 26054), (109, 26015), (114, 26000), (115, 25994), (118, 25982), (142, 25922), (164, 25865), (179, 25832), (180, 25829), (182, 25826), (248, 25712), (252, 25697), (263, 25673), (270, 25658), (277, 25643), (286, 25619), (297, 25607), (316, 25568), (318, 25565), (336, 25529), (364, 25481), (366, 25478), (403, 25406), (406, 25400), (409, 25388), (411, 25385), (413, 25379), (442, 25325), (452, 25304), (464, 25277), (472, 25259), (473, 25253), (495, 25208), (500, 25181), (502, 25175), (510, 25145), (515, 25118), (536, 25055),

Gene: GaugeLDP_35 Start: 27254, Stop: 26070, Start Num: 45

Candidate Starts for GaugeLDP_35:

(Start: 45 @27254 has 2 MA's), (Start: 76 @27191 has 118 MA's), (Start: 92 @27137 has 14 MA's), (Start: 108 @27068 has 6 MA's), (121, 27023), (167, 26894), (209, 26804), (266, 26693), (359, 26516), (365, 26504), (402, 26429), (405, 26423), (412, 26402), (420, 26387), (431, 26369), (498, 26231), (511, 26183), (512, 26180), (517, 26153), (519, 26147), (522, 26135), (538, 26096),

Gene: Geeche_82 Start: 51160, Stop: 52458, Start Num: 51

Candidate Starts for Geeche_82:

(Start: 51 @51160 has 12 MA's), (Start: 82 @51226 has 1 MA's), (105, 51328), (111, 51355), (114, 51367), (118, 51385), (125, 51397), (138, 51436), (144, 51454), (177, 51520), (189, 51529), (243, 51613), (275, 51703), (344, 51862), (347, 51868), (348, 51871), (398, 51997), (431, 52066), (465, 52144), (488, 52195), (494, 52222), (501, 52258), (502, 52261), (503, 52264), (504, 52270), (507, 52282), (509, 52288), (510, 52291), (511, 52294), (517, 52324), (533, 52372), (537, 52381), (552, 52411),

Gene: Gemma_35 Start: 26639, Stop: 25494, Start Num: 76

Candidate Starts for Gemma_35:

(Start: 45 @26702 has 2 MA's), (Start: 76 @26639 has 118 MA's), (Start: 92 @26585 has 14 MA's), (Start: 108 @26516 has 6 MA's), (186, 26297), (191, 26288), (209, 26252), (246, 26195), (276, 26117), (289, 26084), (348, 25982), (359, 25964), (365, 25952), (402, 25877), (405, 25871), (412, 25850), (420, 25835), (431, 25817), (440, 25793), (510, 25634), (511, 25631), (517, 25601), (519, 25595), (522, 25583), (538, 25544),

Gene: Georgie2_35 Start: 26415, Stop: 25300, Start Num: 67

Candidate Starts for Georgie2_35:

(Start: 53 @26445 has 2 MA's), (Start: 67 @26415 has 8 MA's), (Start: 108 @26295 has 6 MA's), (121, 26250), (178, 26094), (191, 26067), (209, 26031), (241, 25989), (246, 25974), (276, 25896), (289, 25863), (299, 25851), (311, 25833), (359, 25743), (365, 25731), (402, 25656), (405, 25650), (412, 25629), (420, 25614), (431, 25596), (441, 25569), (498, 25458), (510, 25413), (511, 25410), (512, 25407), (517, 25380), (519, 25374), (522, 25362), (538, 25323),

Gene: Giles_29 Start: 26478, Stop: 25285, Start Num: 47

Candidate Starts for Giles_29:

(Start: 29 @26520 has 2 MA's), (Start: 47 @26478 has 20 MA's), (84, 26412), (100, 26331), (109, 26292), (114, 26277), (115, 26271), (118, 26259), (130, 26232), (142, 26199), (164, 26142), (179, 26109), (180, 26106), (205, 26058), (233, 26016), (236, 26013), (248, 25989), (252, 25974), (263, 25950), (270, 25935), (286, 25896), (297, 25884), (316, 25845), (336, 25806), (364, 25758), (366, 25755), (403, 25683), (406, 25677), (409, 25665), (411, 25662), (413, 25656), (442, 25602), (450, 25584), (452, 25581), (464, 25554), (472, 25536), (473, 25530), (476, 25527), (495, 25485), (500, 25458), (502, 25452), (515, 25395), (536, 25332), (538, 25329),

Gene: GingkoMaracino_36 Start: 26637, Stop: 25531, Start Num: 90

Candidate Starts for GingkoMaracino_36:

(Start: 76 @26676 has 118 MA's), (Start: 90 @26637 has 10 MA's), (99, 26589), (Start: 108 @26553 has 6 MA's), (121, 26508), (178, 26352), (191, 26325), (209, 26289), (246, 26232), (276, 26154), (285, 26130), (311, 26091), (348, 26019), (354, 26007), (359, 26001), (365, 25989), (402, 25914), (405, 25908), (412, 25887), (420, 25872), (431, 25854), (440, 25830), (498, 25716), (510, 25671), (511, 25668), (514, 25659), (517, 25638), (519, 25632), (522, 25620), (538, 25581),

Gene: Giroux_33 Start: 26209, Stop: 25169, Start Num: 99

Candidate Starts for Giroux_33:

(Start: 76 @26296 has 118 MA's), (99, 26209), (Start: 108 @26173 has 6 MA's), (121, 26128), (178, 25972), (183, 25960), (186, 25954), (209, 25909), (245, 25855), (246, 25852), (255, 25828), (359, 25621), (365, 25609), (390, 25570), (402, 25534), (405, 25528), (412, 25507), (420, 25492), (431, 25474), (498, 25336), (511, 25288), (517, 25258), (519, 25252), (522, 25240), (538, 25201),

Gene: Goib_39 Start: 28036, Stop: 26921, Start Num: 63

Candidate Starts for Goib_39:

(32, 28105), (Start: 63 @28036 has 12 MA's), (192, 27697), (213, 27664), (349, 27370), (361, 27358), (442, 27178), (519, 26980),

Gene: Gonephishing_76 Start: 48662, Stop: 49951, Start Num: 13

Candidate Starts for Gonephishing_76:

(9, 48620), (Start: 13 @48662 has 1 MA's), (Start: 16 @48677 has 10 MA's), (17, 48680), (Start: 26 @48725 has 1 MA's), (Start: 43 @48764 has 1 MA's), (186, 49145), (241, 49229), (246, 49244), (299, 49373), (377, 49493), (401, 49556), (407, 49574), (417, 49598), (455, 49670), (516, 49847), (517, 49850), (519, 49856), (523, 49874), (529, 49889), (534, 49898), (535, 49901), (558, 49946),

Gene: GrandSlam_39 Start: 31803, Stop: 30532, Start Num: 37

Candidate Starts for GrandSlam_39:

(Start: 37 @31803 has 32 MA's), (44, 31788), (88, 31686), (97, 31644), (101, 31632), (121, 31557), (149, 31482), (154, 31473), (161, 31455), (216, 31356), (218, 31353), (264, 31263), (317, 31158), (363, 31062), (366, 31056), (439, 30894), (496, 30753), (507, 30708), (520, 30657), (522, 30648), (527, 30633), (534, 30621), (539, 30609), (563, 30570),

Gene: Gravaillia_29 Start: 26207, Stop: 25014, Start Num: 47

Candidate Starts for Gravaillia_29:

(Start: 29 @26249 has 2 MA's), (Start: 47 @26207 has 20 MA's), (84, 26141), (96, 26072), (100, 26060), (109, 26021), (114, 26006), (115, 26000), (118, 25988), (142, 25928), (164, 25871), (179, 25838), (180, 25835), (182, 25832), (248, 25718), (252, 25703), (263, 25679), (270, 25664), (277, 25649), (286, 25625), (297, 25613), (316, 25574), (318, 25571), (336, 25535), (364, 25487), (366, 25484), (403, 25412), (406, 25406), (409, 25394), (411, 25391), (413, 25385), (442, 25331), (452, 25310), (464, 25283), (472, 25265), (473, 25259), (495, 25214), (500, 25187), (502, 25181), (510, 25151), (515, 25124), (536, 25061),

Gene: Grif_36 Start: 26864, Stop: 25719, Start Num: 76

Candidate Starts for Grif_36:

(Start: 76 @26864 has 118 MA's), (Start: 90 @26825 has 10 MA's), (99, 26777), (Start: 108 @26741 has 6 MA's), (121, 26696), (178, 26540), (191, 26513), (209, 26477), (246, 26420), (276, 26342), (285, 26318), (311, 26279), (348, 26207), (354, 26195), (359, 26189), (365, 26177), (402, 26102), (405, 26096), (412, 26075), (420, 26060), (431, 26042), (440, 26018), (498, 25904), (510, 25859), (511, 25856), (514, 25847), (517, 25826), (519, 25820), (522, 25808), (538, 25769),

Gene: Groupthink_36 Start: 26643, Stop: 25498, Start Num: 76

Candidate Starts for Groupthink_36:

(Start: 45 @26706 has 2 MA's), (Start: 76 @26643 has 118 MA's), (Start: 92 @26589 has 14 MA's), (Start: 108 @26520 has 6 MA's), (186, 26301), (191, 26292), (209, 26256), (246, 26199), (276, 26121), (289, 26088), (348, 25986), (359, 25968), (365, 25956), (402, 25881), (405, 25875), (412, 25854), (420, 25839), (431, 25821), (440, 25797), (510, 25638), (511, 25635), (517, 25605), (519, 25599), (522, 25587), (538, 25548),

Gene: Grub_36 Start: 26782, Stop: 25637, Start Num: 76

Candidate Starts for Grub_36:

(Start: 76 @26782 has 118 MA's), (Start: 90 @26743 has 10 MA's), (Start: 108 @26659 has 6 MA's), (121, 26614), (178, 26458), (191, 26431), (209, 26395), (246, 26338), (276, 26260), (285, 26236), (311, 26197), (348, 26125), (354, 26113), (359, 26107), (365, 26095), (402, 26020), (405, 26014), (412, 25993), (420, 25978), (431, 25960), (440, 25936), (498, 25822), (510, 25777), (511, 25774), (514, 25765), (517, 25744), (519, 25738), (522, 25726), (538, 25687),

Gene: Grum1_36 Start: 26789, Stop: 25644, Start Num: 76

Candidate Starts for Grum1_36:

(Start: 76 @26789 has 118 MA's), (Start: 90 @26750 has 10 MA's), (99, 26702), (Start: 108 @26666 has 6 MA's), (121, 26621), (178, 26465), (191, 26438), (209, 26402), (246, 26345), (276, 26267), (285, 26243), (311, 26204), (348, 26132), (354, 26120), (359, 26114), (365, 26102), (402, 26027), (405, 26021), (412, 26000), (420, 25985), (431, 25967), (440, 25943), (498, 25829), (510, 25784), (511, 25781), (514, 25772), (517, 25751), (519, 25745), (522, 25733), (538, 25694),

Gene: Gspu1_28 Start: 24542, Stop: 23361, Start Num: 62

Candidate Starts for Gspu1_28:

(30, 24608), (Start: 38 @24593 has 31 MA's), (Start: 45 @24572 has 2 MA's), (Start: 62 @24542 has 2 MA's), (80, 24506), (83, 24497), (85, 24494), (89, 24470), (123, 24359), (250, 24110), (265, 24071), (318, 23969), (355, 23891), (371, 23867), (380, 23852), (392, 23813), (401, 23795), (404, 23786),

(422, 23744), (436, 23717), (455, 23675), (497, 23570), (507, 23525), (510, 23516), (513, 23507), (517, 23483), (561, 23387),

Gene: GtownJaz_36 Start: 26791, Stop: 25646, Start Num: 76

Candidate Starts for GtownJaz_36:

(Start: 76 @26791 has 118 MA's), (Start: 90 @26752 has 10 MA's), (Start: 108 @26668 has 6 MA's), (121, 26623), (178, 26467), (191, 26440), (209, 26404), (246, 26347), (276, 26269), (285, 26245), (311, 26206), (348, 26134), (354, 26122), (359, 26116), (365, 26104), (402, 26029), (405, 26023), (412, 26002), (420, 25987), (431, 25969), (440, 25945), (498, 25831), (510, 25786), (511, 25783), (514, 25774), (517, 25753), (519, 25747), (522, 25735), (538, 25696),

Gene: HH92_29 Start: 26478, Stop: 25285, Start Num: 47

Candidate Starts for HH92_29:

(Start: 29 @26520 has 2 MA's), (Start: 47 @26478 has 20 MA's), (84, 26412), (100, 26331), (109, 26292), (114, 26277), (115, 26271), (118, 26259), (130, 26232), (142, 26199), (164, 26142), (179, 26109), (180, 26106), (205, 26058), (233, 26016), (236, 26013), (248, 25989), (252, 25974), (263, 25950), (270, 25935), (286, 25896), (297, 25884), (316, 25845), (336, 25806), (364, 25758), (366, 25755), (403, 25683), (406, 25677), (409, 25665), (411, 25662), (413, 25656), (442, 25602), (450, 25584), (452, 25581), (464, 25554), (472, 25536), (473, 25530), (476, 25527), (495, 25485), (500, 25458), (502, 25452), (515, 25395), (536, 25332), (538, 25329),

Gene: Hadrien_29 Start: 26478, Stop: 25285, Start Num: 47

Candidate Starts for Hadrien_29:

(Start: 29 @26520 has 2 MA's), (Start: 47 @26478 has 20 MA's), (84, 26412), (100, 26331), (109, 26292), (114, 26277), (115, 26271), (118, 26259), (130, 26232), (142, 26199), (164, 26142), (179, 26109), (180, 26106), (205, 26058), (233, 26016), (236, 26013), (248, 25989), (252, 25974), (263, 25950), (270, 25935), (286, 25896), (297, 25884), (316, 25845), (336, 25806), (364, 25758), (366, 25755), (403, 25683), (406, 25677), (409, 25665), (411, 25662), (413, 25656), (442, 25602), (450, 25584), (452, 25581), (464, 25554), (472, 25536), (473, 25530), (476, 25527), (495, 25485), (500, 25458), (502, 25452), (515, 25395), (536, 25332), (538, 25329),

Gene: Hail_29 Start: 26478, Stop: 25285, Start Num: 47

Candidate Starts for Hail_29:

(Start: 29 @26520 has 2 MA's), (Start: 47 @26478 has 20 MA's), (84, 26412), (100, 26331), (109, 26292), (114, 26277), (115, 26271), (118, 26259), (130, 26232), (142, 26199), (164, 26142), (179, 26109), (180, 26106), (205, 26058), (233, 26016), (236, 26013), (248, 25989), (252, 25974), (263, 25950), (270, 25935), (286, 25896), (297, 25884), (316, 25845), (336, 25806), (364, 25758), (366, 25755), (403, 25683), (406, 25677), (409, 25665), (411, 25662), (413, 25656), (442, 25602), (450, 25584), (452, 25581), (464, 25554), (472, 25536), (473, 25530), (476, 25527), (495, 25485), (500, 25458), (502, 25452), (515, 25395), (536, 25332), (538, 25329),

Gene: Halley_83 Start: 53063, Stop: 54292, Start Num: 23

Candidate Starts for Halley_83:

(Start: 23 @53063 has 29 MA's), (Start: 26 @53081 has 1 MA's), (Start: 43 @53120 has 1 MA's), (128, 53357), (168, 53465), (241, 53585), (242, 53588), (245, 53597), (250, 53612), (265, 53651), (299, 53729), (360, 53834), (366, 53846), (377, 53849), (381, 53858), (399, 53909), (401, 53912), (407, 53930), (455, 54026), (483, 54083), (516, 54203), (517, 54206), (523, 54230), (534, 54254), (535, 54257),

Gene: Hamood_39 Start: 31803, Stop: 30532, Start Num: 37

Candidate Starts for Hamood_39:

(Start: 37 @31803 has 32 MA's), (44, 31788), (88, 31686), (97, 31644), (101, 31632), (121, 31557), (149, 31482), (154, 31473), (161, 31455), (216, 31356), (218, 31353), (264, 31263), (317, 31158),

(363, 31062), (366, 31056), (439, 30894), (496, 30753), (507, 30708), (520, 30657), (522, 30648), (527, 30633), (534, 30621), (539, 30609), (563, 30570),

Gene: Hannaconda_75 Start: 47285, Stop: 48559, Start Num: 16

Candidate Starts for Hannaconda_75:

(9, 47228), (Start: 13 @47270 has 1 MA's), (Start: 16 @47285 has 10 MA's), (17, 47288), (Start: 26 @47333 has 1 MA's), (Start: 43 @47372 has 1 MA's), (186, 47753), (241, 47837), (245, 47849), (246, 47852), (299, 47981), (377, 48101), (401, 48164), (407, 48182), (417, 48206), (455, 48278), (516, 48455), (517, 48458), (519, 48464), (523, 48482), (529, 48497), (534, 48506), (535, 48509), (558, 48554),

Gene: HannahPhantana_37 Start: 24015, Stop: 22828, Start Num: 38

Candidate Starts for HannahPhantana_37:

(12, 24105), (Start: 38 @24015 has 31 MA's), (208, 23586), (416, 23151), (494, 23016),

Gene: HarryHoudini_36 Start: 26909, Stop: 25782, Start Num: 81

Candidate Starts for HarryHoudini_36:

(50, 26963), (Start: 81 @26909 has 6 MA's), (Start: 90 @26876 has 10 MA's), (Start: 95 @26846 has 8 MA's), (Start: 108 @26792 has 6 MA's), (121, 26747), (191, 26564), (209, 26528), (246, 26471), (276, 26393), (299, 26348), (311, 26330), (359, 26240), (365, 26228), (384, 26207), (402, 26153), (405, 26147), (412, 26126), (420, 26111), (431, 26093), (441, 26066), (498, 25955), (510, 25910), (511, 25907), (512, 25904), (517, 25877), (519, 25871), (522, 25859), (538, 25820),

Gene: HaveUMetTed_36 Start: 26636, Stop: 25491, Start Num: 76

Candidate Starts for HaveUMetTed_36:

(Start: 45 @26699 has 2 MA's), (Start: 76 @26636 has 118 MA's), (Start: 92 @26582 has 14 MA's), (Start: 108 @26513 has 6 MA's), (186, 26294), (191, 26285), (209, 26249), (246, 26192), (276, 26114), (289, 26081), (348, 25979), (359, 25961), (365, 25949), (402, 25874), (405, 25868), (412, 25847), (420, 25832), (431, 25814), (510, 25631), (511, 25628), (517, 25598), (519, 25592), (522, 25580), (538, 25541),

Gene: Heathen_33 Start: 26105, Stop: 24978, Start Num: 76

Candidate Starts for Heathen_33:

(Start: 76 @26105 has 118 MA's), (99, 26018), (Start: 108 @25982 has 6 MA's), (121, 25937), (178, 25781), (183, 25769), (186, 25763), (209, 25718), (245, 25664), (246, 25661), (255, 25637), (348, 25448), (359, 25430), (365, 25418), (390, 25379), (402, 25343), (405, 25337), (412, 25316), (420, 25301), (431, 25283), (498, 25145), (511, 25097), (517, 25067), (519, 25061), (522, 25049), (538, 25010),

Gene: Heffalump_35 Start: 27571, Stop: 26564, Start Num: 108

Candidate Starts for Heffalump_35:

(Start: 70 @27706 has 1 MA's), (Start: 108 @27571 has 6 MA's), (117, 27535), (121, 27526), (167, 27397), (209, 27307), (266, 27196), (276, 27172), (289, 27139), (299, 27127), (359, 27019), (361, 27016), (402, 26932), (405, 26926), (412, 26905), (420, 26890), (431, 26872), (511, 26686), (517, 26656), (519, 26650), (522, 26638), (538, 26599), (551, 26575),

Gene: HelDan_33 Start: 26357, Stop: 25230, Start Num: 76

Candidate Starts for HelDan_33:

(Start: 76 @26357 has 118 MA's), (99, 26270), (Start: 108 @26234 has 6 MA's), (121, 26189), (178, 26033), (183, 26021), (186, 26015), (209, 25970), (245, 25916), (246, 25913), (255, 25889), (348, 25700), (359, 25682), (365, 25670), (390, 25631), (402, 25595), (405, 25589), (412, 25568), (420, 25553), (431, 25535), (498, 25397), (511, 25349), (517, 25319), (519, 25313), (522, 25301), (538, 25262),

Gene: Heliosoles_35 Start: 26643, Stop: 25498, Start Num: 76

Candidate Starts for Heliosoles_35:

(Start: 45 @26706 has 2 MA's), (Start: 76 @26643 has 118 MA's), (Start: 92 @26589 has 14 MA's), (Start: 108 @26520 has 6 MA's), (186, 26301), (191, 26292), (209, 26256), (246, 26199), (276, 26121), (289, 26088), (348, 25986), (359, 25968), (365, 25956), (402, 25881), (405, 25875), (412, 25854), (420, 25839), (431, 25821), (440, 25797), (510, 25638), (511, 25635), (517, 25605), (519, 25599), (522, 25587), (538, 25548),

Gene: Hercules11_36 Start: 26798, Stop: 25653, Start Num: 76

Candidate Starts for Hercules11_36:

(Start: 76 @26798 has 118 MA's), (Start: 90 @26759 has 10 MA's), (99, 26711), (Start: 108 @26675 has 6 MA's), (121, 26630), (178, 26474), (191, 26447), (209, 26411), (246, 26354), (276, 26276), (285, 26252), (311, 26213), (348, 26141), (354, 26129), (359, 26123), (365, 26111), (402, 26036), (405, 26030), (412, 26009), (420, 25994), (431, 25976), (440, 25952), (498, 25838), (510, 25793), (511, 25790), (514, 25781), (517, 25760), (519, 25754), (522, 25742), (538, 25703),

Gene: HokkenD_73 Start: 51332, Stop: 52561, Start Num: 23

Candidate Starts for HokkenD_73:

(Start: 23 @51332 has 29 MA's), (Start: 26 @51350 has 1 MA's), (Start: 43 @51389 has 1 MA's), (128, 51626), (168, 51734), (241, 51854), (242, 51857), (245, 51866), (250, 51881), (265, 51920), (299, 51998), (360, 52103), (366, 52115), (377, 52118), (381, 52127), (399, 52178), (401, 52181), (407, 52199), (455, 52295), (483, 52352), (516, 52472), (517, 52475), (523, 52499), (534, 52523), (535, 52526),

Gene: Huffy_38 Start: 27370, Stop: 26255, Start Num: 63

Candidate Starts for Huffy_38:

(Start: 63 @27370 has 12 MA's), (192, 27031), (213, 26998), (349, 26704), (361, 26692), (442, 26512), (514, 26341), (519, 26314),

Gene: Hughesyang_81 Start: 53021, Stop: 54250, Start Num: 23

Candidate Starts for Hughesyang_81:

(Start: 23 @53021 has 29 MA's), (Start: 26 @53039 has 1 MA's), (Start: 43 @53078 has 1 MA's), (128, 53315), (168, 53423), (241, 53543), (242, 53546), (245, 53555), (250, 53570), (265, 53609), (299, 53687), (360, 53792), (366, 53804), (377, 53807), (381, 53816), (399, 53867), (401, 53870), (407, 53888), (455, 53984), (483, 54041), (516, 54161), (517, 54164), (523, 54188), (534, 54212), (535, 54215),

Gene: Hum25_34 Start: 25182, Stop: 24091, Start Num: 45

Candidate Starts for Hum25_34:

(Start: 35 @25206 has 1 MA's), (Start: 45 @25182 has 2 MA's), (Start: 108 @25011 has 6 MA's), (115, 24984), (131, 24945), (161, 24876), (172, 24855), (177, 24846), (206, 24789), (215, 24777), (216, 24774), (221, 24765), (231, 24753), (259, 24693), (262, 24684), (269, 24669), (310, 24603), (328, 24570), (341, 24543), (377, 24489), (386, 24468), (405, 24420), (406, 24417), (409, 24405), (413, 24396), (430, 24378), (431, 24375), (433, 24369), (439, 24357), (455, 24324), (494, 24270), (499, 24243), (517, 24171), (538, 24117),

Gene: Idleandcovert_33 Start: 26297, Stop: 25170, Start Num: 76

Candidate Starts for Idleandcovert_33:

(Start: 76 @26297 has 118 MA's), (99, 26210), (Start: 108 @26174 has 6 MA's), (121, 26129), (178, 25973), (183, 25961), (186, 25955), (209, 25910), (245, 25856), (246, 25853), (276, 25775), (359, 25622), (365, 25610), (390, 25571), (402, 25535), (405, 25529), (412, 25508), (420, 25493), (431, 25475), (441, 25448), (498, 25337), (511, 25289), (517, 25259), (519, 25253), (522, 25241), (538,

25202),

Gene: IronMan_36 Start: 28052, Stop: 26925, Start Num: 69

Candidate Starts for IronMan_36:

(Start: 60 @28070 has 7 MA's), (Start: 69 @28052 has 7 MA's), (Start: 108 @27923 has 6 MA's), (121, 27878), (191, 27695), (209, 27659), (246, 27602), (250, 27590), (311, 27461), (359, 27371), (365, 27359), (402, 27284), (412, 27257), (420, 27242), (431, 27224), (439, 27203), (498, 27086), (510, 27041), (511, 27038), (512, 27035), (517, 27008), (519, 27002), (522, 26990), (538, 26951),

Gene: Isca_33 Start: 26066, Stop: 24942, Start Num: 76

Candidate Starts for Isca_33:

(Start: 56 @26108 has 4 MA's), (Start: 76 @26066 has 118 MA's), (Start: 90 @26027 has 10 MA's), (99, 25979), (Start: 108 @25943 has 6 MA's), (121, 25898), (132, 25868), (167, 25769), (209, 25679), (266, 25568), (276, 25544), (299, 25499), (359, 25391), (365, 25379), (384, 25358), (402, 25304), (405, 25298), (412, 25277), (420, 25262), (431, 25244), (441, 25217), (498, 25106), (511, 25058), (512, 25055), (517, 25028), (519, 25022), (522, 25010), (529, 24989), (538, 24971),

Gene: Iwokeuplikedis_34 Start: 26178, Stop: 25060, Start Num: 76

Candidate Starts for Iwokeuplikedis_34:

(Start: 76 @26178 has 118 MA's), (Start: 108 @26055 has 6 MA's), (121, 26010), (179, 25851), (191, 25827), (209, 25791), (246, 25734), (276, 25656), (299, 25611), (311, 25593), (359, 25503), (365, 25491), (402, 25416), (412, 25389), (420, 25374), (431, 25356), (441, 25329), (498, 25218), (510, 25173), (511, 25170), (512, 25167), (517, 25140), (519, 25134), (522, 25122), (538, 25083),

Gene: JCole_37 Start: 29060, Stop: 27801, Start Num: 37

Candidate Starts for JCole_37:

(Start: 37 @29060 has 32 MA's), (154, 28730), (176, 28685), (208, 28625), (216, 28613), (245, 28568), (274, 28496), (366, 28328), (368, 28325), (409, 28232), (439, 28172), (491, 28055), (494, 28043), (499, 28016), (507, 27986), (522, 27926), (527, 27911), (534, 27899), (538, 27890), (557, 27851),

Gene: JF2_33 Start: 25816, Stop: 24692, Start Num: 76

Candidate Starts for JF2_33:

(Start: 56 @25858 has 4 MA's), (Start: 76 @25816 has 118 MA's), (Start: 108 @25693 has 6 MA's), (121, 25648), (145, 25576), (163, 25528), (186, 25474), (191, 25465), (209, 25429), (246, 25372), (359, 25141), (365, 25129), (384, 25108), (402, 25054), (405, 25048), (412, 25027), (420, 25012), (431, 24994), (441, 24967), (498, 24856), (511, 24808), (512, 24805), (517, 24778), (519, 24772), (522, 24760), (529, 24739), (538, 24721),

Gene: JF4_33 Start: 25816, Stop: 24692, Start Num: 76

Candidate Starts for JF4_33:

(Start: 56 @25858 has 4 MA's), (Start: 76 @25816 has 118 MA's), (Start: 108 @25693 has 6 MA's), (121, 25648), (145, 25576), (163, 25528), (186, 25474), (191, 25465), (209, 25429), (246, 25372), (359, 25141), (365, 25129), (384, 25108), (402, 25054), (405, 25048), (412, 25027), (420, 25012), (431, 24994), (441, 24967), (498, 24856), (511, 24808), (512, 24805), (517, 24778), (519, 24772), (522, 24760), (529, 24739), (538, 24721),

Gene: JHC117_36 Start: 26788, Stop: 25643, Start Num: 76

Candidate Starts for JHC117_36:

(Start: 76 @26788 has 118 MA's), (Start: 90 @26749 has 10 MA's), (99, 26701), (Start: 108 @26665 has 6 MA's), (121, 26620), (178, 26464), (191, 26437), (209, 26401), (246, 26344), (276, 26266), (285, 26242), (311, 26203), (348, 26131), (354, 26119), (359, 26113), (365, 26101), (402, 26026), (405, 26020), (412, 25999), (420, 25984), (431, 25966), (440, 25942), (498, 25828), (510, 25783), (511,

25780), (514, 25771), (517, 25750), (519, 25744), (522, 25732), (538, 25693),

Gene: Jaan_37 Start: 28459, Stop: 27326, Start Num: 71

Candidate Starts for Jaan_37:

(Start: 71 @28459 has 3 MA's), (Start: 108 @28324 has 6 MA's), (121, 28279), (125, 28273), (137, 28234), (178, 28123), (191, 28096), (209, 28060), (241, 28018), (245, 28006), (246, 28003), (285, 27901), (359, 27772), (365, 27760), (402, 27685), (405, 27679), (412, 27658), (420, 27643), (431, 27625), (452, 27574), (498, 27487), (511, 27439), (517, 27409), (519, 27403), (522, 27391), (538, 27352),

Gene: Jamun_33 Start: 24299, Stop: 23115, Start Num: 38

Candidate Starts for Jamun_33:

(Start: 38 @24299 has 31 MA's), (116, 24080), (118, 24071), (172, 23945), (218, 23855), (411, 23447), (416, 23435), (428, 23417), (499, 23273), (501, 23264),

Gene: JenCasNa_36 Start: 26750, Stop: 25644, Start Num: 90

Candidate Starts for JenCasNa_36:

(Start: 76 @26789 has 118 MA's), (Start: 90 @26750 has 10 MA's), (99, 26702), (Start: 108 @26666 has 6 MA's), (121, 26621), (178, 26465), (191, 26438), (209, 26402), (246, 26345), (276, 26267), (285, 26243), (311, 26204), (348, 26132), (354, 26120), (359, 26114), (365, 26102), (402, 26027), (405, 26021), (412, 26000), (420, 25985), (431, 25967), (440, 25943), (498, 25829), (510, 25784), (511, 25781), (514, 25772), (517, 25751), (519, 25745), (522, 25733), (538, 25694),

Gene: JeppNRM_36 Start: 26642, Stop: 25497, Start Num: 76

Candidate Starts for JeppNRM_36:

(Start: 45 @26705 has 2 MA's), (Start: 76 @26642 has 118 MA's), (Start: 92 @26588 has 14 MA's), (Start: 108 @26519 has 6 MA's), (186, 26300), (191, 26291), (209, 26255), (246, 26198), (276, 26120), (285, 26096), (289, 26087), (348, 25985), (359, 25967), (365, 25955), (402, 25880), (405, 25874), (412, 25853), (420, 25838), (431, 25820), (440, 25796), (510, 25637), (511, 25634), (517, 25604), (519, 25598), (522, 25586), (538, 25547),

Gene: Jerm_35 Start: 26752, Stop: 25625, Start Num: 69

Candidate Starts for Jerm_35:

(Start: 60 @26770 has 7 MA's), (Start: 69 @26752 has 7 MA's), (Start: 95 @26668 has 8 MA's), (Start: 108 @26620 has 6 MA's), (121, 26575), (191, 26392), (209, 26356), (246, 26299), (250, 26287), (289, 26188), (299, 26176), (311, 26158), (359, 26068), (402, 25981), (405, 25975), (412, 25954), (420, 25939), (431, 25921), (441, 25894), (498, 25783), (511, 25735), (512, 25732), (517, 25705), (519, 25699), (522, 25687), (538, 25648),

Gene: Jobu08_35 Start: 26620, Stop: 25475, Start Num: 76

Candidate Starts for Jobu08_35:

(Start: 76 @26620 has 118 MA's), (Start: 90 @26581 has 10 MA's), (99, 26533), (Start: 108 @26497 has 6 MA's), (121, 26452), (178, 26296), (191, 26269), (209, 26233), (246, 26176), (276, 26098), (285, 26074), (311, 26035), (348, 25963), (354, 25951), (359, 25945), (365, 25933), (402, 25858), (405, 25852), (412, 25831), (420, 25816), (431, 25798), (498, 25660), (510, 25615), (511, 25612), (514, 25603), (517, 25582), (519, 25576), (522, 25564), (538, 25525),

Gene: JonJames_97 Start: 58289, Stop: 59536, Start Num: 53

Candidate Starts for JonJames_97:

(11, 58163), (Start: 53 @58289 has 2 MA's), (105, 58454), (114, 58493), (132, 58544), (144, 58580), (157, 58598), (189, 58649), (207, 58685), (245, 58739), (251, 58760), (295, 58871), (305, 58895), (308, 58904), (315, 58919), (339, 58970), (382, 59054), (408, 59123), (460, 59231), (474, 59273), (494, 59324), (504, 59372), (510, 59393), (517, 59426), (523, 59447), (535, 59474), (552, 59507),

Gene: JoshKayV_35 Start: 26714, Stop: 25599, Start Num: 67

Candidate Starts for JoshKayV_35:

(Start: 67 @26714 has 8 MA's), (Start: 108 @26594 has 6 MA's), (121, 26549), (178, 26393), (191, 26366), (209, 26330), (246, 26273), (250, 26261), (276, 26195), (311, 26132), (359, 26042), (402, 25955), (405, 25949), (412, 25928), (420, 25913), (431, 25895), (452, 25844), (498, 25757), (511, 25709), (517, 25679), (519, 25673), (522, 25661), (538, 25622),

Gene: Journey13_31 Start: 25582, Stop: 24464, Start Num: 76

Candidate Starts for Journey13_31:

(18, 25732), (48, 25642), (Start: 76 @25582 has 118 MA's), (Start: 92 @25528 has 14 MA's), (Start: 108 @25459 has 6 MA's), (113, 25441), (138, 25366), (139, 25360), (178, 25258), (183, 25246), (209, 25195), (246, 25138), (256, 25111), (335, 24952), (359, 24907), (365, 24895), (402, 24820), (405, 24814), (412, 24793), (420, 24778), (431, 24760), (441, 24733), (498, 24622), (511, 24574), (512, 24571), (517, 24544), (519, 24538), (522, 24526), (538, 24487),

Gene: Jsquared_34 Start: 25672, Stop: 24548, Start Num: 76

Candidate Starts for Jsquared_34:

(Start: 76 @25672 has 118 MA's), (96, 25594), (Start: 108 @25549 has 6 MA's), (121, 25504), (141, 25444), (191, 25321), (209, 25285), (245, 25231), (246, 25228), (276, 25150), (299, 25105), (301, 25102), (311, 25087), (328, 25057), (354, 25003), (359, 24997), (384, 24964), (402, 24910), (412, 24883), (420, 24868), (431, 24850), (441, 24823), (498, 24712), (511, 24664), (512, 24661), (514, 24655), (517, 24634), (519, 24628), (522, 24616), (538, 24577),

Gene: Juicebox_26 Start: 25055, Stop: 23880, Start Num: 56

Candidate Starts for Juicebox_26:

(Start: 56 @25055 has 4 MA's), (Start: 78 @25028 has 4 MA's), (109, 24917), (138, 24833), (160, 24773), (169, 24749), (212, 24671), (222, 24650), (230, 24641), (273, 24545), (284, 24518), (298, 24485), (327, 24428), (330, 24419), (334, 24410), (340, 24401), (342, 24398), (345, 24392), (350, 24380), (385, 24314), (410, 24266), (425, 24242), (444, 24200), (446, 24197), (447, 24194), (462, 24173), (486, 24125), (497, 24092), (505, 24053), (510, 24038), (517, 24005), (554, 23921), (564, 23897),

Gene: JuicyJay_79 Start: 54197, Stop: 55426, Start Num: 23

Candidate Starts for JuicyJay_79:

(Start: 23 @54197 has 29 MA's), (Start: 26 @54215 has 1 MA's), (Start: 43 @54254 has 1 MA's), (128, 54491), (168, 54599), (241, 54719), (242, 54722), (245, 54731), (250, 54746), (265, 54785), (299, 54863), (360, 54968), (366, 54980), (377, 54983), (381, 54992), (399, 55043), (401, 55046), (407, 55064), (455, 55160), (483, 55217), (516, 55337), (517, 55340), (523, 55364), (534, 55388), (535, 55391),

Gene: Juno112_35 Start: 23916, Stop: 22723, Start Num: 38

Candidate Starts for Juno112_35:

(Start: 38 @23916 has 31 MA's), (208, 23487), (245, 23430), (253, 23406), (358, 23178), (416, 23052), (424, 23040), (434, 23019), (501, 22881), (522, 22800), (543, 22752),

Gene: KHumphrey_36 Start: 23915, Stop: 22722, Start Num: 38

Candidate Starts for KHumphrey_36:

(Start: 38 @23915 has 31 MA's), (208, 23486), (245, 23429), (253, 23405), (358, 23177), (416, 23051), (424, 23039), (434, 23018), (501, 22880), (522, 22799), (543, 22751),

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

Candidate Starts for Kachowdy_33:

(Start: 76 @26357 has 118 MA's), (99, 26270), (Start: 108 @26234 has 6 MA's), (121, 26189), (178, 26033), (183, 26021), (186, 26015), (209, 25970), (245, 25916), (246, 25913), (255, 25889), (348, 25700), (359, 25682), (365, 25670), (390, 25631), (402, 25595), (405, 25589), (412, 25568), (420, 25553), (431, 25535), (498, 25397), (511, 25349), (517, 25319), (519, 25313), (522, 25301), (538, 25262),

Gene: Kalah2_76 Start: 52356, Stop: 53585, Start Num: 23

Candidate Starts for Kalah2_76:

(Start: 23 @52356 has 29 MA's), (Start: 26 @52374 has 1 MA's), (Start: 43 @52413 has 1 MA's), (128, 52650), (168, 52758), (241, 52878), (242, 52881), (245, 52890), (250, 52905), (265, 52944), (299, 53022), (360, 53127), (366, 53139), (377, 53142), (381, 53151), (399, 53202), (401, 53205), (407, 53223), (455, 53319), (483, 53376), (516, 53496), (517, 53499), (523, 53523), (534, 53547), (535, 53550),

Gene: Kalb97_36 Start: 26642, Stop: 25497, Start Num: 76

Candidate Starts for Kalb97_36:

(Start: 45 @26705 has 2 MA's), (Start: 76 @26642 has 118 MA's), (Start: 92 @26588 has 14 MA's), (Start: 108 @26519 has 6 MA's), (186, 26300), (191, 26291), (209, 26255), (246, 26198), (276, 26120), (289, 26087), (348, 25985), (359, 25967), (365, 25955), (402, 25880), (405, 25874), (412, 25853), (420, 25838), (431, 25820), (440, 25796), (510, 25637), (511, 25634), (517, 25604), (519, 25598), (522, 25586), (538, 25547),

Gene: Kalnoky_36 Start: 26643, Stop: 25498, Start Num: 76

Candidate Starts for Kalnoky_36:

(Start: 45 @26706 has 2 MA's), (Start: 76 @26643 has 118 MA's), (Start: 92 @26589 has 14 MA's), (Start: 108 @26520 has 6 MA's), (186, 26301), (191, 26292), (209, 26256), (246, 26199), (276, 26121), (289, 26088), (348, 25986), (359, 25968), (365, 25956), (402, 25881), (405, 25875), (412, 25854), (420, 25839), (431, 25821), (440, 25797), (510, 25638), (511, 25635), (517, 25605), (519, 25599), (522, 25587), (538, 25548),

Gene: Kalpine_35 Start: 27525, Stop: 26410, Start Num: 76

Candidate Starts for Kalpine_35:

(Start: 76 @27525 has 118 MA's), (Start: 108 @27405 has 6 MA's), (121, 27360), (145, 27288), (186, 27186), (191, 27177), (209, 27141), (242, 27096), (245, 27087), (246, 27084), (289, 26973), (299, 26961), (359, 26853), (365, 26841), (393, 26784), (402, 26766), (405, 26760), (412, 26739), (420, 26724), (431, 26706), (441, 26679), (498, 26568), (511, 26520), (517, 26490), (519, 26484), (522, 26472), (538, 26433),

Gene: Kamy_33 Start: 26181, Stop: 25129, Start Num: 95

Candidate Starts for Kamy_33:

(Start: 55 @26295 has 3 MA's), (68, 26268), (Start: 76 @26250 has 118 MA's), (Start: 95 @26181 has 8 MA's), (Start: 108 @26127 has 6 MA's), (186, 25908), (191, 25899), (209, 25863), (241, 25821), (245, 25809), (246, 25806), (276, 25728), (348, 25593), (359, 25575), (402, 25488), (405, 25482), (412, 25461), (420, 25446), (431, 25428), (498, 25290), (511, 25242), (517, 25212), (519, 25206), (522, 25194), (538, 25155),

Gene: KashFlow_76 Start: 48091, Stop: 49320, Start Num: 23

Candidate Starts for KashFlow_76:

(Start: 23 @48091 has 29 MA's), (Start: 26 @48109 has 1 MA's), (Start: 43 @48148 has 1 MA's), (128, 48385), (168, 48493), (241, 48613), (242, 48616), (245, 48625), (250, 48640), (265, 48679), (299, 48757), (366, 48874), (377, 48877), (381, 48886), (399, 48937), (401, 48940), (407, 48958), (455, 49054), (483, 49111), (516, 49231), (517, 49234), (523, 49258), (534, 49282), (535, 49285),

Gene: Kepler_38 Start: 24761, Stop: 23574, Start Num: 38

Candidate Starts for Kepler_38:

(12, 24851), (Start: 38 @24761 has 31 MA's), (172, 24407), (208, 24332), (416, 23897), (494, 23762), (536, 23612),

Gene: Kerberos_37 Start: 26420, Stop: 25350, Start Num: 92

Candidate Starts for Kerberos_37:

(Start: 76 @26474 has 118 MA's), (Start: 92 @26420 has 14 MA's), (Start: 108 @26351 has 6 MA's), (178, 26150), (191, 26123), (209, 26087), (246, 26030), (256, 26003), (276, 25952), (289, 25919), (299, 25907), (311, 25889), (348, 25817), (359, 25799), (365, 25787), (390, 25748), (402, 25712), (405, 25706), (412, 25685), (420, 25670), (431, 25652), (441, 25625), (498, 25514), (511, 25466), (512, 25463), (517, 25436), (519, 25430), (522, 25418), (538, 25379),

Gene: Khuang_45 Start: 28583, Stop: 27426, Start Num: 35

Candidate Starts for Khuang_45:

(Start: 35 @28583 has 1 MA's), (58, 28532), (73, 28508), (106, 28388), (115, 28349), (121, 28331), (125, 28325), (128, 28316), (154, 28259), (201, 28160), (216, 28136), (221, 28127), (264, 28037), (266, 28031), (269, 28022), (333, 27905), (371, 27836), (405, 27767), (430, 27725), (437, 27707), (439, 27704), (449, 27680), (464, 27650), (494, 27599), (508, 27539), (509, 27536), (538, 27446),

Gene: Kimona_30 Start: 24408, Stop: 23293, Start Num: 76

Candidate Starts for Kimona_30:

(Start: 63 @24435 has 12 MA's), (68, 24426), (Start: 76 @24408 has 118 MA's), (96, 24330), (Start: 108 @24285 has 6 MA's), (186, 24066), (191, 24057), (209, 24021), (245, 23967), (246, 23964), (276, 23886), (359, 23733), (361, 23730), (402, 23646), (412, 23619), (420, 23604), (431, 23586), (441, 23559), (498, 23448), (511, 23400), (517, 23370), (519, 23364), (522, 23352), (529, 23331), (538, 23313),

Gene: Kinbote_29 Start: 26478, Stop: 25285, Start Num: 47

Candidate Starts for Kinbote_29:

(Start: 29 @26520 has 2 MA's), (Start: 47 @26478 has 20 MA's), (84, 26412), (100, 26331), (109, 26292), (114, 26277), (115, 26271), (118, 26259), (130, 26232), (142, 26199), (164, 26142), (179, 26109), (180, 26106), (205, 26058), (233, 26016), (236, 26013), (248, 25989), (252, 25974), (263, 25950), (270, 25935), (286, 25896), (297, 25884), (316, 25845), (336, 25806), (364, 25758), (366, 25755), (403, 25683), (406, 25677), (409, 25665), (411, 25662), (413, 25656), (442, 25602), (450, 25584), (452, 25581), (464, 25554), (472, 25536), (473, 25530), (476, 25527), (495, 25485), (500, 25458), (502, 25452), (515, 25395), (536, 25332), (538, 25329),

Gene: KingCyrus_36 Start: 28129, Stop: 27002, Start Num: 69

Candidate Starts for KingCyrus_36:

(Start: 60 @28147 has 7 MA's), (Start: 69 @28129 has 7 MA's), (Start: 95 @28048 has 8 MA's), (Start: 108 @28000 has 6 MA's), (121, 27955), (178, 27799), (191, 27772), (209, 27736), (246, 27679), (250, 27667), (276, 27601), (289, 27568), (299, 27556), (311, 27538), (359, 27448), (365, 27436), (402, 27361), (405, 27355), (412, 27334), (420, 27319), (431, 27301), (440, 27277), (441, 27274), (445, 27265), (498, 27163), (511, 27115), (512, 27112), (517, 27085), (519, 27079), (522, 27067), (538, 27028),

Gene: Klein_81 Start: 51782, Stop: 53011, Start Num: 23

Candidate Starts for Klein_81:

(Start: 23 @51782 has 29 MA's), (Start: 26 @51800 has 1 MA's), (Start: 43 @51839 has 1 MA's), (128, 52076), (168, 52184), (241, 52304), (242, 52307), (245, 52316), (250, 52331), (265, 52370), (299, 52448), (360, 52553), (366, 52565), (377, 52568), (381, 52577), (399, 52628), (401, 52631), (407, 52649), (455, 52745), (483, 52802), (516, 52922), (517, 52925), (523, 52949), (534, 52973),

(535, 52976),

Gene: Koduck_33 Start: 25409, Stop: 24294, Start Num: 81

Candidate Starts for Koduck_33:

(Start: 81 @25409 has 6 MA's), (99, 25328), (Start: 108 @25292 has 6 MA's), (121, 25247), (151, 25160), (178, 25091), (183, 25079), (191, 25064), (199, 25049), (209, 25028), (245, 24974), (246, 24971), (348, 24758), (354, 24746), (359, 24740), (365, 24728), (384, 24707), (402, 24653), (412, 24626), (420, 24611), (431, 24593), (441, 24566), (511, 24407), (517, 24377), (519, 24371), (522, 24359), (538, 24320),

Gene: Kudetre_6 Start: 2520, Stop: 1432, Start Num: 78

Candidate Starts for Kudetre_6:

(28, 2625), (66, 2541), (Start: 78 @2520 has 4 MA's), (125, 2349), (156, 2259), (165, 2235), (296, 1983), (321, 1950), (344, 1908), (352, 1893), (363, 1872), (367, 1863), (371, 1857), (410, 1773), (419, 1758), (463, 1671), (477, 1638), (509, 1545), (516, 1512), (519, 1503), (521, 1497),

Gene: Kukla_36 Start: 28255, Stop: 27116, Start Num: 93

Candidate Starts for Kukla_36:

(Start: 93 @28255 has 2 MA's), (109, 28189), (134, 28114), (140, 28093), (157, 28048), (198, 27964), (229, 27907), (242, 27889), (255, 27853), (266, 27823), (272, 27808), (278, 27796), (289, 27775), (303, 27739), (305, 27736), (316, 27715), (340, 27673), (342, 27670), (352, 27646), (382, 27589), (427, 27481), (448, 27430), (485, 27358), (505, 27289), (508, 27280), (556, 27148), (561, 27142),

Gene: Kuleana_37 Start: 24189, Stop: 23008, Start Num: 38

Candidate Starts for Kuleana_37:

(Start: 38 @24189 has 31 MA's), (163, 23850), (416, 23325),

Gene: L5_33 Start: 25369, Stop: 24254, Start Num: 81

Candidate Starts for L5_33:

(Start: 81 @25369 has 6 MA's), (99, 25288), (Start: 108 @25252 has 6 MA's), (121, 25207), (151, 25120), (178, 25051), (183, 25039), (191, 25024), (199, 25009), (209, 24988), (245, 24934), (246, 24931), (348, 24718), (354, 24706), (359, 24700), (365, 24688), (384, 24667), (402, 24613), (412, 24586), (420, 24571), (431, 24553), (441, 24526), (511, 24367), (517, 24337), (519, 24331), (522, 24319), (538, 24280),

Gene: LBerry_36 Start: 26790, Stop: 25645, Start Num: 76

Candidate Starts for LBerry_36:

(Start: 76 @26790 has 118 MA's), (Start: 90 @26751 has 10 MA's), (99, 26703), (Start: 108 @26667 has 6 MA's), (121, 26622), (178, 26466), (191, 26439), (209, 26403), (246, 26346), (276, 26268), (285, 26244), (311, 26205), (348, 26133), (354, 26121), (359, 26115), (365, 26103), (402, 26028), (405, 26022), (412, 26001), (420, 25986), (431, 25968), (440, 25944), (498, 25830), (510, 25785), (511, 25782), (514, 25773), (517, 25752), (519, 25746), (522, 25734), (538, 25695),

Gene: LHTSCC_34 Start: 26518, Stop: 25466, Start Num: 95

Candidate Starts for LHTSCC_34:

(68, 26605), (Start: 76 @26587 has 118 MA's), (Start: 95 @26518 has 8 MA's), (Start: 108 @26464 has 6 MA's), (186, 26245), (191, 26236), (209, 26200), (241, 26158), (245, 26146), (246, 26143), (348, 25930), (359, 25912), (402, 25825), (405, 25819), (412, 25798), (420, 25783), (431, 25765), (498, 25627), (511, 25579), (517, 25549), (519, 25543), (522, 25531), (538, 25492),

Gene: Landor_35 Start: 28009, Stop: 26867, Start Num: 70

Candidate Starts for Landor_35:

(Start: 70 @28009 has 1 MA's), (Start: 108 @27874 has 6 MA's), (121, 27829), (125, 27823), (137, 27784), (167, 27700), (183, 27661), (209, 27610), (266, 27499), (289, 27442), (299, 27430), (328, 27382), (359, 27322), (361, 27319), (402, 27235), (405, 27229), (412, 27208), (420, 27193), (431, 27175), (511, 26989), (517, 26959), (519, 26953), (522, 26941), (538, 26902), (551, 26878),

Gene: Larenn_35 Start: 26836, Stop: 25694, Start Num: 60

Candidate Starts for Larenn_35:

(Start: 60 @26836 has 7 MA's), (Start: 69 @26818 has 7 MA's), (Start: 108 @26689 has 6 MA's), (121, 26644), (186, 26470), (191, 26461), (209, 26425), (246, 26368), (276, 26290), (289, 26257), (299, 26245), (311, 26227), (359, 26137), (365, 26125), (402, 26050), (405, 26044), (412, 26023), (420, 26008), (431, 25990), (441, 25963), (498, 25852), (511, 25804), (512, 25801), (517, 25774), (519, 25768), (522, 25756), (538, 25717),

Gene: Lederberg_27 Start: 25613, Stop: 24285, Start Num: 19

Candidate Starts for Lederberg_27:

(Start: 19 @25613 has 3 MA's), (27, 25577), (30, 25568), (Start: 56 @25511 has 4 MA's), (134, 25301), (135, 25298), (172, 25199), (182, 25181), (219, 25115), (222, 25109), (232, 25097), (301, 24932), (325, 24887), (334, 24866), (342, 24854), (352, 24830), (364, 24806), (367, 24800), (387, 24764), (429, 24668), (453, 24611), (471, 24566), (487, 24542), (494, 24527), (509, 24461), (510, 24458), (515, 24431), (521, 24413), (546, 24353), (570, 24299),

Gene: LeoAvram_33 Start: 26179, Stop: 25127, Start Num: 95

Candidate Starts for LeoAvram_33:

(Start: 55 @26293 has 3 MA's), (68, 26266), (Start: 76 @26248 has 118 MA's), (Start: 95 @26179 has 8 MA's), (Start: 108 @26125 has 6 MA's), (186, 25906), (191, 25897), (209, 25861), (241, 25819), (245, 25807), (246, 25804), (276, 25726), (348, 25591), (359, 25573), (402, 25486), (405, 25480), (412, 25459), (420, 25444), (431, 25426), (498, 25288), (511, 25240), (517, 25210), (519, 25204), (522, 25192), (538, 25153),

Gene: Leogania_35 Start: 28027, Stop: 26906, Start Num: 76

Candidate Starts for Leogania_35:

(Start: 45 @28090 has 2 MA's), (Start: 76 @28027 has 118 MA's), (Start: 92 @27973 has 14 MA's), (Start: 108 @27904 has 6 MA's), (121, 27859), (209, 27640), (266, 27529), (299, 27460), (359, 27352), (361, 27349), (365, 27340), (402, 27265), (405, 27259), (412, 27238), (420, 27223), (431, 27205), (498, 27067), (511, 27019), (512, 27016), (517, 26989), (519, 26983), (522, 26971), (538, 26932),

Gene: Leona_35 Start: 23984, Stop: 22791, Start Num: 38

Candidate Starts for Leona_35:

(Start: 38 @23984 has 31 MA's), (88, 23870), (208, 23555), (358, 23246), (416, 23120), (424, 23108), (434, 23087), (543, 22820),

Gene: Leviathan_35 Start: 26826, Stop: 25681, Start Num: 60

Candidate Starts for Leviathan_35:

(Start: 60 @26826 has 7 MA's), (Start: 69 @26808 has 7 MA's), (Start: 95 @26724 has 8 MA's), (Start: 108 @26676 has 6 MA's), (121, 26631), (191, 26448), (209, 26412), (246, 26355), (250, 26343), (289, 26244), (311, 26214), (359, 26124), (365, 26112), (402, 26037), (405, 26031), (412, 26010), (420, 25995), (431, 25977), (441, 25950), (498, 25839), (511, 25791), (512, 25788), (517, 25761), (519, 25755), (522, 25743), (538, 25704),

Gene: LilHazelnut_29 Start: 26478, Stop: 25285, Start Num: 47

Candidate Starts for LilHazelnut_29:

(Start: 29 @26520 has 2 MA's), (Start: 47 @26478 has 20 MA's), (84, 26412), (100, 26331), (109, 26292), (114, 26277), (115, 26271), (118, 26259), (130, 26232), (142, 26199), (164, 26142), (179, 26109), (180, 26106), (205, 26058), (233, 26016), (236, 26013), (248, 25989), (252, 25974), (263, 25950), (270, 25935), (286, 25896), (297, 25884), (316, 25845), (336, 25806), (364, 25758), (366, 25755), (403, 25683), (406, 25677), (409, 25665), (411, 25662), (413, 25656), (442, 25602), (450, 25584), (452, 25581), (464, 25554), (472, 25536), (473, 25530), (476, 25527), (495, 25485), (500, 25458), (502, 25452), (515, 25395), (536, 25332), (538, 25329),

Gene: LilTurb_34 Start: 26659, Stop: 25508, Start Num: 60

Candidate Starts for LilTurb_34:

(Start: 60 @26659 has 7 MA's), (Start: 69 @26641 has 7 MA's), (Start: 95 @26557 has 8 MA's), (Start: 108 @26509 has 6 MA's), (121, 26464), (191, 26281), (209, 26245), (246, 26188), (250, 26176), (256, 26161), (289, 26077), (299, 26065), (311, 26047), (359, 25957), (365, 25945), (402, 25870), (405, 25864), (412, 25843), (420, 25828), (431, 25810), (441, 25783), (498, 25672), (511, 25624), (512, 25621), (517, 25594), (519, 25588), (522, 25576), (538, 25537),

Gene: Lilith_36 Start: 26744, Stop: 25638, Start Num: 90

Candidate Starts for Lilith_36:

(Start: 76 @26783 has 118 MA's), (Start: 90 @26744 has 10 MA's), (Start: 108 @26660 has 6 MA's), (121, 26615), (178, 26459), (191, 26432), (209, 26396), (246, 26339), (276, 26261), (285, 26237), (311, 26198), (348, 26126), (354, 26114), (359, 26108), (365, 26096), (402, 26021), (405, 26015), (412, 25994), (420, 25979), (431, 25961), (440, 25937), (498, 25823), (510, 25778), (511, 25775), (514, 25766), (517, 25745), (519, 25739), (522, 25727), (538, 25688),

Gene: LittleE_82 Start: 51604, Stop: 52791, Start Num: 43

Candidate Starts for LittleE_82:

(9, 51460), (Start: 13 @51502 has 1 MA's), (Start: 16 @51517 has 10 MA's), (17, 51520), (Start: 26 @51565 has 1 MA's), (Start: 43 @51604 has 1 MA's), (186, 51985), (241, 52069), (245, 52081), (246, 52084), (299, 52213), (377, 52333), (401, 52396), (407, 52414), (417, 52438), (455, 52510), (516, 52687), (517, 52690), (519, 52696), (523, 52714), (529, 52729), (534, 52738), (535, 52741), (558, 52786),

Gene: LittleTokyo_36 Start: 23859, Stop: 22669, Start Num: 38

Candidate Starts for LittleTokyo_36:

(Start: 38 @23859 has 31 MA's), (208, 23427), (358, 23118), (416, 22992), (424, 22980), (539, 22701),

Gene: Lozinak_84 Start: 51934, Stop: 53232, Start Num: 51

Candidate Starts for Lozinak_84:

(Start: 51 @51934 has 12 MA's), (Start: 82 @52000 has 1 MA's), (105, 52102), (111, 52129), (114, 52141), (125, 52171), (138, 52210), (144, 52228), (177, 52294), (189, 52303), (243, 52387), (275, 52477), (344, 52636), (347, 52642), (348, 52645), (398, 52771), (431, 52840), (465, 52918), (488, 52969), (494, 52996), (501, 53032), (502, 53035), (503, 53038), (504, 53044), (507, 53056), (509, 53062), (510, 53065), (511, 53068), (517, 53098), (533, 53146), (537, 53155), (552, 53185),

Gene: Lucky2013_84 Start: 50079, Stop: 51353, Start Num: 16

Candidate Starts for Lucky2013_84:

(9, 50022), (Start: 13 @50064 has 1 MA's), (Start: 16 @50079 has 10 MA's), (17, 50082), (Start: 26 @50127 has 1 MA's), (Start: 43 @50166 has 1 MA's), (186, 50547), (241, 50631), (245, 50643), (246, 50646), (299, 50775), (377, 50895), (401, 50958), (407, 50976), (417, 51000), (455, 51072), (516, 51249), (517, 51252), (519, 51258), (523, 51276), (529, 51291), (534, 51300), (535, 51303), (558, 51348),

Gene: LugYA_38 Start: 26790, Stop: 25645, Start Num: 76

Candidate Starts for LugYA_38:

(Start: 76 @26790 has 118 MA's), (Start: 90 @26751 has 10 MA's), (99, 26703), (Start: 108 @26667 has 6 MA's), (121, 26622), (178, 26466), (191, 26439), (209, 26403), (246, 26346), (276, 26268), (285, 26244), (311, 26205), (348, 26133), (354, 26121), (359, 26115), (365, 26103), (402, 26028), (405, 26022), (412, 26001), (420, 25986), (431, 25968), (440, 25944), (498, 25830), (510, 25785), (511, 25782), (514, 25773), (517, 25752), (519, 25746), (522, 25734), (538, 25695),

Gene: Luke_29 Start: 26433, Stop: 25240, Start Num: 47

Candidate Starts for Luke_29:

(Start: 29 @26475 has 2 MA's), (Start: 47 @26433 has 20 MA's), (84, 26367), (100, 26286), (109, 26247), (114, 26232), (115, 26226), (118, 26214), (130, 26187), (142, 26154), (164, 26097), (179, 26064), (180, 26061), (205, 26013), (233, 25971), (236, 25968), (248, 25944), (252, 25929), (263, 25905), (270, 25890), (286, 25851), (297, 25839), (316, 25800), (336, 25761), (364, 25713), (366, 25710), (403, 25638), (406, 25632), (409, 25620), (411, 25617), (413, 25611), (442, 25557), (450, 25539), (452, 25536), (464, 25509), (472, 25491), (473, 25485), (476, 25482), (495, 25440), (500, 25413), (502, 25407), (515, 25350), (536, 25287), (538, 25284),

Gene: Luna22_29 Start: 26478, Stop: 25285, Start Num: 47

Candidate Starts for Luna22_29:

(Start: 29 @26520 has 2 MA's), (Start: 47 @26478 has 20 MA's), (84, 26412), (100, 26331), (109, 26292), (114, 26277), (115, 26271), (118, 26259), (130, 26232), (142, 26199), (164, 26142), (179, 26109), (180, 26106), (205, 26058), (233, 26016), (236, 26013), (248, 25989), (252, 25974), (263, 25950), (270, 25935), (286, 25896), (297, 25884), (316, 25845), (336, 25806), (364, 25758), (366, 25755), (403, 25683), (406, 25677), (409, 25665), (411, 25662), (413, 25656), (442, 25602), (450, 25584), (452, 25581), (464, 25554), (472, 25536), (473, 25530), (476, 25527), (495, 25485), (500, 25458), (502, 25452), (515, 25395), (536, 25332), (538, 25329),

Gene: Lunar_38 Start: 24679, Stop: 23492, Start Num: 38

Candidate Starts for Lunar_38:

(12, 24769), (Start: 38 @24679 has 31 MA's), (416, 23815), (494, 23680), (545, 23512),

Gene: MA5_33 Start: 25943, Stop: 24819, Start Num: 76

Candidate Starts for MA5_33:

(Start: 76 @25943 has 118 MA's), (Start: 108 @25820 has 6 MA's), (121, 25775), (145, 25703), (186, 25601), (191, 25592), (209, 25556), (246, 25499), (276, 25421), (359, 25268), (365, 25256), (393, 25199), (402, 25181), (405, 25175), (412, 25154), (420, 25139), (431, 25121), (511, 24935), (517, 24905), (519, 24899), (522, 24887), (538, 24848),

Gene: MK4_33 Start: 26050, Stop: 24926, Start Num: 76

Candidate Starts for MK4_33:

(Start: 56 @26092 has 4 MA's), (Start: 76 @26050 has 118 MA's), (Start: 108 @25927 has 6 MA's), (121, 25882), (145, 25810), (163, 25762), (186, 25708), (191, 25699), (209, 25663), (246, 25606), (359, 25375), (365, 25363), (384, 25342), (402, 25288), (405, 25282), (412, 25261), (420, 25246), (431, 25228), (441, 25201), (498, 25090), (511, 25042), (512, 25039), (517, 25012), (519, 25006), (522, 24994), (529, 24973), (538, 24955),

Gene: MadMarie_36 Start: 26792, Stop: 25647, Start Num: 76

Candidate Starts for MadMarie_36:

(Start: 76 @26792 has 118 MA's), (Start: 90 @26753 has 10 MA's), (99, 26705), (Start: 108 @26669 has 6 MA's), (121, 26624), (178, 26468), (191, 26441), (209, 26405), (246, 26348), (276, 26270), (285, 26246), (311, 26207), (348, 26135), (354, 26123), (359, 26117), (365, 26105), (402, 26030), (405, 26024), (412, 26003), (420, 25988), (431, 25970), (440, 25946), (498, 25832), (510, 25787), (511,

25784), (514, 25775), (517, 25754), (519, 25748), (522, 25736), (538, 25697),

Gene: Madeline_35 Start: 31541, Stop: 30279, Start Num: 37

Candidate Starts for Madeline_35:

(Start: 37 @31541 has 32 MA's), (96, 31385), (158, 31202), (176, 31166), (208, 31106), (216, 31094), (245, 31049), (258, 31016), (274, 30974), (335, 30860), (366, 30806), (368, 30803), (403, 30728), (409, 30710), (411, 30707), (439, 30650), (491, 30533), (494, 30521), (502, 30482), (507, 30464), (522, 30404), (527, 30389), (534, 30377), (538, 30368), (557, 30329), (569, 30299),

Gene: Mainiac_36 Start: 26783, Stop: 25638, Start Num: 76

Candidate Starts for Mainiac_36:

(Start: 76 @26783 has 118 MA's), (Start: 90 @26744 has 10 MA's), (99, 26696), (Start: 108 @26660 has 6 MA's), (121, 26615), (178, 26459), (191, 26432), (209, 26396), (246, 26339), (276, 26261), (285, 26237), (311, 26198), (348, 26126), (354, 26114), (359, 26108), (365, 26096), (402, 26021), (405, 26015), (412, 25994), (420, 25979), (431, 25961), (440, 25937), (498, 25823), (510, 25778), (511, 25775), (514, 25766), (517, 25745), (519, 25739), (522, 25727), (538, 25688),

Gene: MajorMajor_34 Start: 25599, Stop: 24475, Start Num: 76

Candidate Starts for MajorMajor_34:

(Start: 76 @25599 has 118 MA's), (96, 25521), (Start: 108 @25476 has 6 MA's), (121, 25431), (141, 25371), (191, 25248), (209, 25212), (245, 25158), (246, 25155), (299, 25032), (301, 25029), (311, 25014), (354, 24930), (359, 24924), (384, 24891), (389, 24876), (402, 24837), (412, 24810), (420, 24795), (431, 24777), (441, 24750), (498, 24639), (511, 24591), (512, 24588), (514, 24582), (517, 24561), (519, 24555), (522, 24543), (538, 24504),

Gene: Malec_36 Start: 27350, Stop: 26235, Start Num: 82

Candidate Starts for Malec_36:

(18, 27515), (64, 27389), (Start: 82 @27350 has 1 MA's), (Start: 90 @27317 has 10 MA's), (99, 27269), (Start: 108 @27233 has 6 MA's), (121, 27188), (136, 27146), (137, 27143), (178, 27032), (191, 27005), (209, 26969), (250, 26900), (266, 26858), (299, 26789), (311, 26771), (359, 26681), (402, 26594), (405, 26588), (412, 26567), (420, 26552), (431, 26534), (441, 26507), (498, 26396), (510, 26351), (511, 26348), (512, 26345), (514, 26339), (517, 26318), (519, 26312), (522, 26300), (538, 26261),

Gene: Malibo_40 Start: 32774, Stop: 31605, Start Num: 37

Candidate Starts for Malibo_40:

(Start: 37 @32774 has 32 MA's), (154, 32450), (161, 32432), (208, 32345), (216, 32333), (245, 32288), (264, 32240), (266, 32234), (272, 32219), (274, 32216), (279, 32204), (320, 32132), (364, 32051), (439, 31901), (453, 31871), (494, 31814), (496, 31802), (502, 31775), (527, 31682), (538, 31661), (557, 31622), (562, 31613),

Gene: Malinsilva_38 Start: 26743, Stop: 25637, Start Num: 90

Candidate Starts for Malinsilva_38:

(Start: 76 @26782 has 118 MA's), (Start: 90 @26743 has 10 MA's), (Start: 108 @26659 has 6 MA's), (121, 26614), (178, 26458), (191, 26431), (209, 26395), (246, 26338), (276, 26260), (285, 26236), (311, 26197), (348, 26125), (354, 26113), (359, 26107), (365, 26095), (402, 26020), (405, 26014), (412, 25993), (420, 25978), (431, 25960), (440, 25936), (498, 25822), (510, 25777), (511, 25774), (514, 25765), (517, 25744), (519, 25738), (522, 25726), (538, 25687),

Gene: Manu_36 Start: 26643, Stop: 25498, Start Num: 76

Candidate Starts for Manu_36:

(Start: 45 @26706 has 2 MA's), (Start: 76 @26643 has 118 MA's), (Start: 92 @26589 has 14 MA's), (Start: 108 @26520 has 6 MA's), (186, 26301), (191, 26292), (209, 26256), (246, 26199), (276,

26121), (289, 26088), (348, 25986), (359, 25968), (365, 25956), (402, 25881), (405, 25875), (412, 25854), (420, 25839), (431, 25821), (440, 25797), (510, 25638), (511, 25635), (517, 25605), (519, 25599), (522, 25587), (538, 25548),

Gene: Mao1_43 Start: 40085, Stop: 38883, Start Num: 36

Candidate Starts for Mao1_43:

(Start: 36 @40085 has 7 MA's), (75, 40010), (86, 39986), (87, 39980), (114, 39875), (152, 39764), (154, 39761), (180, 39698), (254, 39563), (263, 39542), (286, 39488), (331, 39413), (364, 39353), (454, 39173), (456, 39170), (464, 39149), (502, 39047), (505, 39032), (522, 38966), (531, 38942), (545, 38912),

Gene: MarQuardt_36 Start: 26791, Stop: 25646, Start Num: 76

Candidate Starts for MarQuardt_36:

(Start: 76 @26791 has 118 MA's), (Start: 90 @26752 has 10 MA's), (99, 26704), (Start: 108 @26668 has 6 MA's), (121, 26623), (178, 26467), (191, 26440), (209, 26404), (246, 26347), (276, 26269), (285, 26245), (311, 26206), (348, 26134), (354, 26122), (359, 26116), (365, 26104), (402, 26029), (405, 26023), (412, 26002), (420, 25987), (431, 25969), (440, 25945), (498, 25831), (510, 25786), (511, 25783), (514, 25774), (517, 25753), (519, 25747), (522, 25735), (538, 25696),

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

Candidate Starts for Marchesa_33:

(Start: 76 @26355 has 118 MA's), (99, 26268), (Start: 108 @26232 has 6 MA's), (121, 26187), (141, 26127), (178, 26031), (183, 26019), (186, 26013), (209, 25968), (245, 25914), (246, 25911), (255, 25887), (348, 25698), (359, 25680), (365, 25668), (390, 25629), (402, 25593), (405, 25587), (412, 25566), (420, 25551), (431, 25533), (498, 25395), (511, 25347), (517, 25317), (519, 25311), (522, 25299), (538, 25260),

Gene: Marie_36 Start: 26789, Stop: 25644, Start Num: 76

Candidate Starts for Marie_36:

(Start: 76 @26789 has 118 MA's), (Start: 90 @26750 has 10 MA's), (99, 26702), (Start: 108 @26666 has 6 MA's), (121, 26621), (178, 26465), (191, 26438), (209, 26402), (246, 26345), (276, 26267), (285, 26243), (311, 26204), (348, 26132), (354, 26120), (359, 26114), (365, 26102), (402, 26027), (405, 26021), (412, 26000), (420, 25985), (431, 25967), (440, 25943), (498, 25829), (510, 25784), (511, 25781), (514, 25772), (517, 25751), (519, 25745), (522, 25733), (538, 25694),

Gene: Marius_36 Start: 26643, Stop: 25498, Start Num: 76

Candidate Starts for Marius_36:

(Start: 45 @26706 has 2 MA's), (Start: 76 @26643 has 118 MA's), (Start: 92 @26589 has 14 MA's), (Start: 108 @26520 has 6 MA's), (186, 26301), (191, 26292), (209, 26256), (246, 26199), (276, 26121), (289, 26088), (348, 25986), (359, 25968), (365, 25956), (402, 25881), (405, 25875), (412, 25854), (420, 25839), (431, 25821), (440, 25797), (510, 25638), (511, 25635), (517, 25605), (519, 25599), (522, 25587), (538, 25548),

Gene: Mask_46 Start: 43255, Stop: 42053, Start Num: 36

Candidate Starts for Mask_46:

(Start: 36 @43255 has 7 MA's), (75, 43180), (86, 43156), (87, 43150), (114, 43045), (152, 42934), (154, 42931), (180, 42868), (254, 42733), (263, 42712), (286, 42658), (362, 42529), (364, 42523), (452, 42346), (454, 42343), (456, 42340), (464, 42319), (482, 42283), (502, 42217), (505, 42202), (522, 42136), (531, 42112), (545, 42082),

Gene: Maxo_33 Start: 26250, Stop: 25129, Start Num: 76

Candidate Starts for Maxo_33:

(Start: 55 @26295 has 3 MA's), (68, 26268), (Start: 76 @26250 has 118 MA's), (Start: 95 @26181 has 8 MA's), (Start: 108 @26127 has 6 MA's), (186, 25908), (191, 25899), (209, 25863), (241, 25821), (245, 25809), (246, 25806), (276, 25728), (348, 25593), (359, 25575), (402, 25488), (405, 25482), (412, 25461), (420, 25446), (431, 25428), (498, 25290), (511, 25242), (517, 25212), (519, 25206), (522, 25194), (538, 25155),

Gene: Mbo4_31 Start: 29712, Stop: 28447, Start Num: 38

Candidate Starts for Mbo4_31:

(Start: 38 @29712 has 31 MA's), (44, 29697), (61, 29658), (88, 29595), (99, 29538), (104, 29523), (126, 29448), (129, 29439), (138, 29412), (169, 29346), (185, 29310), (190, 29301), (208, 29265), (209, 29262), (216, 29253), (221, 29244), (235, 29226), (238, 29223), (245, 29208), (269, 29142), (276, 29127), (279, 29121), (300, 29076), (311, 29052), (316, 29043), (328, 29022), (335, 29007), (338, 28998), (346, 28974), (350, 28965), (351, 28956), (380, 28893), (388, 28875), (389, 28872), (403, 28830), (406, 28824), (411, 28809), (413, 28803), (430, 28779), (438, 28758), (462, 28707), (468, 28692), (492, 28674), (499, 28638), (502, 28626), (505, 28611), (517, 28563), (519, 28557), (522, 28545), (527, 28530), (534, 28518), (545, 28494), (548, 28488),

Gene: Medusa_33 Start: 26128, Stop: 25130, Start Num: 108

Candidate Starts for Medusa_33:

(Start: 55 @26296 has 3 MA's), (68, 26269), (Start: 76 @26251 has 118 MA's), (Start: 95 @26182 has 8 MA's), (Start: 108 @26128 has 6 MA's), (186, 25909), (191, 25900), (209, 25864), (241, 25822), (245, 25810), (246, 25807), (276, 25729), (348, 25594), (359, 25576), (402, 25489), (412, 25462), (420, 25447), (431, 25429), (498, 25291), (511, 25243), (517, 25213), (519, 25207), (522, 25195), (538, 25156),

Gene: Melons_38 Start: 24495, Stop: 23308, Start Num: 38

Candidate Starts for Melons_38:

(12, 24585), (Start: 38 @24495 has 31 MA's), (172, 24141), (201, 24078), (208, 24066), (416, 23631), (494, 23496), (496, 23484), (545, 23328),

Gene: Melvin_33 Start: 26249, Stop: 25128, Start Num: 76

Candidate Starts for Melvin_33:

(Start: 55 @26294 has 3 MA's), (68, 26267), (Start: 76 @26249 has 118 MA's), (Start: 95 @26180 has 8 MA's), (Start: 108 @26126 has 6 MA's), (186, 25907), (191, 25898), (209, 25862), (241, 25820), (245, 25808), (246, 25805), (276, 25727), (348, 25592), (359, 25574), (402, 25487), (412, 25460), (420, 25445), (431, 25427), (498, 25289), (511, 25241), (517, 25211), (519, 25205), (522, 25193), (538, 25154),

Gene: MiaZeal_87 Start: 50735, Stop: 52009, Start Num: 16

Candidate Starts for MiaZeal_87:

(9, 50678), (Start: 13 @50720 has 1 MA's), (Start: 16 @50735 has 10 MA's), (17, 50738), (Start: 26 @50783 has 1 MA's), (Start: 43 @50822 has 1 MA's), (186, 51203), (241, 51287), (245, 51299), (246, 51302), (299, 51431), (377, 51551), (401, 51614), (407, 51632), (417, 51656), (455, 51728), (516, 51905), (517, 51908), (519, 51914), (523, 51932), (529, 51947), (534, 51956), (535, 51959), (558, 52004),

Gene: Microwolf_36 Start: 26752, Stop: 25646, Start Num: 90

Candidate Starts for Microwolf_36:

(Start: 76 @26791 has 118 MA's), (Start: 90 @26752 has 10 MA's), (Start: 108 @26668 has 6 MA's), (121, 26623), (178, 26467), (191, 26440), (209, 26404), (246, 26347), (276, 26269), (285, 26245), (311, 26206), (348, 26134), (354, 26122), (359, 26116), (365, 26104), (402, 26029), (405, 26023), (412, 26002), (420, 25987), (431, 25969), (440, 25945), (498, 25831), (510, 25786), (511, 25783), (514, 25774), (517, 25753), (519, 25747), (522, 25735), (538, 25696),

Gene: MiculUcigas_34 Start: 26502, Stop: 25381, Start Num: 76

Candidate Starts for MiculUcigas_34:

(Start: 45 @26565 has 2 MA's), (Start: 76 @26502 has 118 MA's), (Start: 92 @26448 has 14 MA's), (Start: 108 @26379 has 6 MA's), (121, 26334), (166, 26208), (191, 26151), (209, 26115), (245, 26061), (246, 26058), (299, 25935), (311, 25917), (359, 25827), (365, 25815), (402, 25740), (405, 25734), (412, 25713), (420, 25698), (431, 25680), (441, 25653), (511, 25494), (517, 25464), (519, 25458), (522, 25446), (538, 25407),

Gene: Minerva_84 Start: 53196, Stop: 54425, Start Num: 23

Candidate Starts for Minerva_84:

(Start: 23 @53196 has 29 MA's), (Start: 26 @53214 has 1 MA's), (Start: 43 @53253 has 1 MA's), (128, 53490), (168, 53598), (241, 53718), (242, 53721), (245, 53730), (250, 53745), (265, 53784), (299, 53862), (360, 53967), (366, 53979), (377, 53982), (381, 53991), (399, 54042), (401, 54045), (407, 54063), (455, 54159), (483, 54216), (516, 54336), (517, 54339), (523, 54363), (534, 54387), (535, 54390),

Gene: Miskis_80 Start: 49839, Stop: 51137, Start Num: 51

Candidate Starts for Miskis_80:

(Start: 51 @49839 has 12 MA's), (Start: 82 @49905 has 1 MA's), (105, 50007), (111, 50034), (114, 50046), (125, 50076), (138, 50115), (144, 50133), (177, 50199), (189, 50208), (243, 50292), (275, 50382), (344, 50541), (347, 50547), (348, 50550), (398, 50676), (431, 50745), (465, 50823), (488, 50874), (494, 50901), (501, 50937), (502, 50940), (503, 50943), (504, 50949), (507, 50961), (509, 50967), (510, 50970), (511, 50973), (517, 51003), (533, 51051), (537, 51060), (552, 51090),

Gene: MissWhite_33 Start: 25561, Stop: 24443, Start Num: 76

Candidate Starts for MissWhite_33:

(Start: 76 @25561 has 118 MA's), (89, 25525), (Start: 92 @25507 has 14 MA's), (Start: 108 @25438 has 6 MA's), (113, 25420), (138, 25345), (139, 25339), (178, 25237), (183, 25225), (191, 25210), (209, 25174), (245, 25120), (359, 24886), (365, 24874), (402, 24799), (405, 24793), (412, 24772), (420, 24757), (431, 24739), (441, 24712), (511, 24553), (512, 24550), (517, 24523), (519, 24517), (522, 24505), (538, 24466), (543, 24454),

Gene: ModicumRichard_35 Start: 30420, Stop: 29293, Start Num: 37

Candidate Starts for ModicumRichard_35:

(2, 30900), (Start: 37 @30420 has 32 MA's), (61, 30366), (97, 30261), (158, 30090), (202, 30000), (225, 29964), (279, 29850), (306, 29811), (320, 29787), (377, 29691), (438, 29559), (458, 29514), (499, 29442), (538, 29316),

Gene: MoneyMay_36 Start: 26789, Stop: 25644, Start Num: 76

Candidate Starts for MoneyMay_36:

(Start: 76 @26789 has 118 MA's), (Start: 90 @26750 has 10 MA's), (99, 26702), (Start: 108 @26666 has 6 MA's), (121, 26621), (178, 26465), (191, 26438), (209, 26402), (246, 26345), (276, 26267), (285, 26243), (311, 26204), (348, 26132), (354, 26120), (359, 26114), (365, 26102), (402, 26027), (405, 26021), (412, 26000), (420, 25985), (431, 25967), (440, 25943), (498, 25829), (510, 25784), (511, 25781), (514, 25772), (517, 25751), (519, 25745), (522, 25733), (538, 25694),

Gene: Morgana_35 Start: 30175, Stop: 29048, Start Num: 37

Candidate Starts for Morgana_35:

(2, 30832), (3, 30778), (Start: 37 @30175 has 32 MA's), (61, 30121), (158, 29845), (202, 29755), (225, 29719), (279, 29605), (306, 29566), (320, 29542), (377, 29446), (438, 29314), (458, 29269), (499, 29197), (538, 29071),

Gene: Morrow_33 Start: 26255, Stop: 25116, Start Num: 76

Candidate Starts for Morrow_33:

(Start: 55 @26300 has 3 MA's), (68, 26273), (Start: 76 @26255 has 118 MA's), (Start: 95 @26186 has 8 MA's), (Start: 108 @26132 has 6 MA's), (186, 25913), (191, 25904), (209, 25868), (241, 25826), (245, 25814), (246, 25811), (276, 25733), (348, 25598), (359, 25580), (402, 25493), (405, 25487), (412, 25466), (420, 25451), (431, 25433), (498, 25295), (511, 25247), (517, 25217), (519, 25211), (522, 25199), (538, 25160), (549, 25136), (553, 25130),

Gene: MrSmee_34 Start: 25508, Stop: 24390, Start Num: 35

Candidate Starts for MrSmee_34:

(Start: 35 @25508 has 1 MA's), (Start: 108 @25313 has 6 MA's), (116, 25283), (117, 25277), (131, 25247), (148, 25211), (161, 25178), (163, 25172), (172, 25157), (177, 25148), (206, 25091), (215, 25079), (216, 25076), (221, 25067), (231, 25055), (238, 25046), (262, 24986), (269, 24971), (310, 24905), (317, 24890), (328, 24872), (338, 24848), (341, 24845), (371, 24794), (386, 24770), (405, 24722), (409, 24707), (426, 24686), (430, 24680), (439, 24659), (538, 24419),

Gene: MuchMore_38 Start: 26782, Stop: 25637, Start Num: 76

Candidate Starts for MuchMore_38:

(Start: 76 @26782 has 118 MA's), (Start: 90 @26743 has 10 MA's), (99, 26695), (Start: 108 @26659 has 6 MA's), (121, 26614), (178, 26458), (191, 26431), (209, 26395), (246, 26338), (276, 26260), (285, 26236), (311, 26197), (348, 26125), (354, 26113), (359, 26107), (365, 26095), (402, 26020), (405, 26014), (412, 25993), (420, 25978), (431, 25960), (440, 25936), (498, 25822), (510, 25777), (511, 25774), (514, 25765), (517, 25744), (519, 25738), (522, 25726), (538, 25687),

Gene: Mulch_39 Start: 31322, Stop: 30051, Start Num: 37

Candidate Starts for Mulch_39:

(Start: 37 @31322 has 32 MA's), (44, 31307), (88, 31205), (97, 31163), (101, 31151), (121, 31076), (149, 31001), (154, 30992), (161, 30974), (216, 30875), (218, 30872), (264, 30782), (317, 30677), (363, 30581), (366, 30575), (439, 30413), (496, 30272), (507, 30227), (520, 30176), (522, 30167), (527, 30152), (534, 30140), (539, 30128), (563, 30089),

Gene: NaSiaTalie_34 Start: 26377, Stop: 25379, Start Num: 108

Candidate Starts for NaSiaTalie_34:

(Start: 45 @26563 has 2 MA's), (Start: 76 @26500 has 118 MA's), (Start: 92 @26446 has 14 MA's), (Start: 108 @26377 has 6 MA's), (121, 26332), (166, 26206), (191, 26149), (209, 26113), (245, 26059), (246, 26056), (299, 25933), (311, 25915), (359, 25825), (365, 25813), (402, 25738), (405, 25732), (412, 25711), (420, 25696), (431, 25678), (441, 25651), (511, 25492), (517, 25462), (519, 25456), (522, 25444), (538, 25405),

Gene: Nadeem_39 Start: 31322, Stop: 30051, Start Num: 37

Candidate Starts for Nadeem_39:

(Start: 37 @31322 has 32 MA's), (44, 31307), (88, 31205), (97, 31163), (101, 31151), (121, 31076), (149, 31001), (154, 30992), (161, 30974), (216, 30875), (218, 30872), (264, 30782), (317, 30677), (363, 30581), (366, 30575), (439, 30413), (496, 30272), (507, 30227), (520, 30176), (522, 30167), (527, 30152), (534, 30140), (539, 30128), (563, 30089),

Gene: Naji_37 Start: 26474, Stop: 25350, Start Num: 76

Candidate Starts for Naji_37:

(Start: 76 @26474 has 118 MA's), (Start: 92 @26420 has 14 MA's), (Start: 108 @26351 has 6 MA's), (178, 26150), (179, 26147), (191, 26123), (209, 26087), (246, 26030), (256, 26003), (276, 25952), (289, 25919), (299, 25907), (311, 25889), (348, 25817), (359, 25799), (365, 25787), (402, 25712), (405, 25706), (412, 25685), (420, 25670), (431, 25652), (441, 25625), (498, 25514), (511, 25466), (512, 25463), (517, 25436), (519, 25430), (522, 25418), (538, 25379),

Gene: NancyRae_39 Start: 31331, Stop: 30060, Start Num: 37

Candidate Starts for NancyRae_39:

(Start: 37 @31331 has 32 MA's), (44, 31316), (88, 31214), (97, 31172), (101, 31160), (121, 31085), (149, 31010), (154, 31001), (161, 30983), (216, 30884), (218, 30881), (264, 30791), (317, 30686), (366, 30584), (377, 30566), (439, 30422), (496, 30281), (507, 30236), (520, 30185), (522, 30176), (534, 30149), (539, 30137), (563, 30098),

Gene: Nebkiss_56 Start: 37263, Stop: 38534, Start Num: 16

Candidate Starts for Nebkiss_56:

(Start: 16 @37263 has 10 MA's), (Start: 26 @37311 has 1 MA's), (Start: 43 @37350 has 1 MA's), (143, 37629), (200, 37746), (241, 37815), (242, 37818), (245, 37827), (256, 37857), (282, 37923), (299, 37959), (318, 37986), (320, 37989), (328, 38004), (331, 38010), (349, 38043), (355, 38058), (358, 38061), (360, 38064), (366, 38076), (377, 38094), (381, 38103), (393, 38145), (397, 38151), (399, 38154), (417, 38199), (455, 38271), (488, 38337), (497, 38364), (516, 38448), (517, 38451), (524, 38478), (534, 38499),

Gene: Nebs_33 Start: 26248, Stop: 25127, Start Num: 76

Candidate Starts for Nebs_33:

(Start: 55 @26293 has 3 MA's), (68, 26266), (Start: 76 @26248 has 118 MA's), (Start: 95 @26179 has 8 MA's), (Start: 108 @26125 has 6 MA's), (186, 25906), (191, 25897), (209, 25861), (241, 25819), (245, 25807), (246, 25804), (276, 25726), (348, 25591), (359, 25573), (402, 25486), (405, 25480), (412, 25459), (420, 25444), (431, 25426), (498, 25288), (511, 25240), (517, 25210), (519, 25204), (522, 25192), (538, 25153),

Gene: Neville_8 Start: 3425, Stop: 2322, Start Num: 63

Candidate Starts for Neville_8:

(49, 3452), (Start: 63 @3425 has 12 MA's), (Start: 69 @3413 has 7 MA's), (91, 3359), (96, 3344), (104, 3320), (110, 3293), (159, 3167), (195, 3095), (234, 3032), (242, 3020), (256, 2981), (290, 2897), (296, 2876), (338, 2789), (384, 2720), (388, 2708), (431, 2612), (440, 2588), (466, 2528), (486, 2492), (497, 2477), (505, 2438), (515, 2396),

Gene: NicoleTera_37 Start: 27751, Stop: 26633, Start Num: 76

Candidate Starts for NicoleTera_37:

(Start: 76 @27751 has 118 MA's), (Start: 92 @27697 has 14 MA's), (Start: 108 @27628 has 6 MA's), (178, 27427), (191, 27400), (209, 27364), (241, 27322), (246, 27307), (276, 27229), (299, 27184), (359, 27076), (365, 27064), (390, 27025), (402, 26989), (405, 26983), (412, 26962), (420, 26947), (431, 26929), (441, 26902), (498, 26791), (511, 26743), (512, 26740), (517, 26713), (519, 26707), (522, 26695), (538, 26656),

Gene: NihilNomen_82 Start: 53150, Stop: 54379, Start Num: 23

Candidate Starts for NihilNomen_82:

(Start: 23 @53150 has 29 MA's), (Start: 26 @53168 has 1 MA's), (Start: 43 @53207 has 1 MA's), (128, 53444), (168, 53552), (241, 53672), (242, 53675), (245, 53684), (250, 53699), (265, 53738), (299, 53816), (360, 53921), (366, 53933), (377, 53936), (381, 53945), (399, 53996), (401, 53999), (407, 54017), (455, 54113), (483, 54170), (516, 54290), (517, 54293), (523, 54317), (534, 54341), (535, 54344),

Gene: Norvs_84 Start: 51343, Stop: 52641, Start Num: 51

Candidate Starts for Norvs_84:

(Start: 51 @51343 has 12 MA's), (Start: 82 @51409 has 1 MA's), (105, 51511), (111, 51538), (114, 51550), (125, 51580), (138, 51619), (144, 51637), (177, 51703), (189, 51712), (243, 51796), (275, 51886), (344, 52045), (347, 52051), (348, 52054), (398, 52180), (431, 52249), (465, 52327), (488,

52378), (494, 52405), (501, 52441), (502, 52444), (503, 52447), (504, 52453), (507, 52465), (509, 52471), (510, 52474), (511, 52477), (517, 52507), (533, 52555), (537, 52564), (552, 52594),

Gene: NothingSpecial_35 Start: 27853, Stop: 26801, Start Num: 95

Candidate Starts for NothingSpecial_35:

(68, 27940), (Start: 76 @27922 has 118 MA's), (Start: 95 @27853 has 8 MA's), (96, 27844), (Start: 108 @27799 has 6 MA's), (113, 27781), (121, 27754), (162, 27637), (178, 27598), (186, 27580), (191, 27571), (209, 27535), (241, 27493), (244, 27484), (246, 27478), (276, 27400), (299, 27355), (359, 27247), (365, 27235), (402, 27160), (405, 27154), (412, 27133), (420, 27118), (431, 27100), (498, 26962), (511, 26914), (517, 26884), (519, 26878), (522, 26866), (538, 26827),

Gene: OBUpride_29 Start: 26514, Stop: 25279, Start Num: 29

Candidate Starts for OBUpride_29:

(Start: 29 @26514 has 2 MA's), (Start: 47 @26472 has 20 MA's), (84, 26406), (100, 26325), (109, 26286), (114, 26271), (115, 26265), (118, 26253), (130, 26226), (142, 26193), (164, 26136), (179, 26103), (180, 26100), (205, 26052), (233, 26010), (236, 26007), (248, 25983), (252, 25968), (263, 25944), (270, 25929), (286, 25890), (297, 25878), (316, 25839), (336, 25800), (364, 25752), (366, 25749), (403, 25677), (406, 25671), (409, 25659), (411, 25656), (413, 25650), (442, 25596), (450, 25578), (452, 25575), (464, 25548), (472, 25530), (473, 25524), (476, 25521), (495, 25479), (500, 25452), (502, 25446), (515, 25389), (536, 25326), (538, 25323),

Gene: ObLaDi_35 Start: 30398, Stop: 29271, Start Num: 37

Candidate Starts for ObLaDi_35:

(Start: 37 @30398 has 32 MA's), (61, 30344), (97, 30239), (158, 30068), (202, 29978), (225, 29942), (306, 29789), (320, 29765), (377, 29669), (438, 29537), (458, 29492), (499, 29420), (538, 29294),

Gene: Obama12_34 Start: 26520, Stop: 25468, Start Num: 95

Candidate Starts for Obama12_34:

(Start: 55 @26634 has 3 MA's), (68, 26607), (Start: 76 @26589 has 118 MA's), (Start: 95 @26520 has 8 MA's), (Start: 108 @26466 has 6 MA's), (186, 26247), (191, 26238), (209, 26202), (241, 26160), (245, 26148), (246, 26145), (348, 25932), (359, 25914), (402, 25827), (405, 25821), (412, 25800), (420, 25785), (431, 25767), (498, 25629), (511, 25581), (517, 25551), (519, 25545), (522, 25533), (538, 25494),

Gene: Octobien14_6 Start: 2858, Stop: 1764, Start Num: 78

Candidate Starts for Octobien14_6:

(14, 3011), (Start: 78 @2858 has 4 MA's), (160, 2582), (203, 2495), (321, 2282), (329, 2264), (352, 2225), (393, 2141), (410, 2105), (423, 2084), (427, 2078), (463, 2003), (489, 1952), (507, 1883), (510, 1874), (516, 1844), (517, 1841),

Gene: Odette_80 Start: 52249, Stop: 53421, Start Num: 43

Candidate Starts for Odette_80:

(Start: 23 @52192 has 29 MA's), (Start: 26 @52210 has 1 MA's), (Start: 43 @52249 has 1 MA's), (128, 52486), (168, 52594), (241, 52714), (242, 52717), (245, 52726), (250, 52741), (265, 52780), (299, 52858), (360, 52963), (366, 52975), (377, 52978), (381, 52987), (399, 53038), (401, 53041), (407, 53059), (455, 53155), (483, 53212), (516, 53332), (517, 53335), (523, 53359), (534, 53383), (535, 53386),

Gene: Odin_33 Start: 25191, Stop: 24076, Start Num: 81

Candidate Starts for Odin_33:

(Start: 81 @25191 has 6 MA's), (Start: 92 @25143 has 14 MA's), (99, 25110), (Start: 108 @25074 has 6 MA's), (121, 25029), (183, 24861), (191, 24846), (209, 24810), (241, 24768), (245, 24756), (246, 24753), (289, 24642), (359, 24522), (365, 24510), (384, 24489), (402, 24435), (412, 24408), (420,

24393), (431, 24375), (441, 24348), (511, 24189), (517, 24159), (519, 24153), (522, 24141), (538, 24102), (541, 24093),

Gene: Ohfah_33 Start: 26248, Stop: 25127, Start Num: 76

Candidate Starts for Ohfah_33:

(Start: 55 @26293 has 3 MA's), (68, 26266), (Start: 76 @26248 has 118 MA's), (Start: 95 @26179 has 8 MA's), (Start: 108 @26125 has 6 MA's), (186, 25906), (191, 25897), (209, 25861), (241, 25819), (245, 25807), (246, 25804), (276, 25726), (348, 25591), (359, 25573), (402, 25486), (405, 25480), (412, 25459), (420, 25444), (431, 25426), (498, 25288), (511, 25240), (517, 25210), (519, 25204), (522, 25192), (538, 25153),

Gene: Ohgeesy_38 Start: 32336, Stop: 31074, Start Num: 37

Candidate Starts for Ohgeesy_38:

(Start: 37 @32336 has 32 MA's), (96, 32180), (158, 31997), (176, 31961), (208, 31901), (216, 31889), (245, 31844), (258, 31811), (274, 31769), (366, 31601), (368, 31598), (403, 31523), (409, 31505), (411, 31502), (439, 31445), (491, 31328), (494, 31316), (507, 31259), (522, 31199), (527, 31184), (534, 31172), (538, 31163), (557, 31124),

Gene: OlanP_35 Start: 26824, Stop: 25679, Start Num: 76

Candidate Starts for OlanP_35:

(Start: 45 @26887 has 2 MA's), (Start: 76 @26824 has 118 MA's), (Start: 92 @26770 has 14 MA's), (Start: 108 @26701 has 6 MA's), (150, 26572), (163, 26536), (186, 26482), (191, 26473), (209, 26437), (246, 26380), (276, 26302), (289, 26269), (348, 26167), (359, 26149), (365, 26137), (402, 26062), (405, 26056), (412, 26035), (420, 26020), (431, 26002), (452, 25951), (510, 25819), (511, 25816), (517, 25786), (519, 25780), (522, 25768), (538, 25729),

Gene: Ollie_36 Start: 26621, Stop: 25515, Start Num: 90

Candidate Starts for Ollie_36:

(Start: 76 @26660 has 118 MA's), (Start: 90 @26621 has 10 MA's), (Start: 108 @26537 has 6 MA's), (121, 26492), (178, 26336), (191, 26309), (209, 26273), (246, 26216), (276, 26138), (285, 26114), (311, 26075), (348, 26003), (354, 25991), (359, 25985), (365, 25973), (402, 25898), (405, 25892), (412, 25871), (420, 25856), (431, 25838), (498, 25700), (510, 25655), (511, 25652), (514, 25643), (517, 25622), (519, 25616), (522, 25604), (538, 25565),

Gene: Omega_85 Start: 53296, Stop: 54570, Start Num: 16

Candidate Starts for Omega_85:

(9, 53239), (Start: 13 @53281 has 1 MA's), (Start: 16 @53296 has 10 MA's), (17, 53299), (Start: 26 @53344 has 1 MA's), (Start: 43 @53383 has 1 MA's), (186, 53764), (241, 53848), (245, 53860), (246, 53863), (299, 53992), (377, 54112), (401, 54175), (407, 54193), (417, 54217), (455, 54289), (516, 54466), (517, 54469), (519, 54475), (523, 54493), (529, 54508), (534, 54517), (535, 54520), (558, 54565),

Gene: OnionKnight_30 Start: 24231, Stop: 22948, Start Num: 22

Candidate Starts for OnionKnight_30:

(Start: 22 @24231 has 1 MA's), (Start: 46 @24165 has 1 MA's), (107, 24003), (141, 23898), (191, 23781), (204, 23754), (217, 23733), (228, 23718), (288, 23586), (304, 23544), (337, 23478), (343, 23469), (370, 23418), (381, 23400), (391, 23370), (393, 23361), (407, 23331), (432, 23286), (469, 23193), (495, 23151), (498, 23133), (502, 23118), (510, 23088), (514, 23076), (518, 23052), (527, 23019), (534, 23007), (538, 22998), (539, 22995), (560, 22953),

Gene: Optimus_79 Start: 51901, Stop: 53130, Start Num: 23

Candidate Starts for Optimus_79:

(Start: 23 @51901 has 29 MA's), (Start: 26 @51919 has 1 MA's), (Start: 43 @51958 has 1 MA's), (128, 52195), (168, 52303), (241, 52423), (242, 52426), (245, 52435), (250, 52450), (265, 52489), (299, 52567), (360, 52672), (366, 52684), (377, 52687), (381, 52696), (399, 52747), (401, 52750), (407, 52768), (455, 52864), (483, 52921), (516, 53041), (517, 53044), (523, 53068), (534, 53092), (535, 53095),

Gene: Orcanus_34 Start: 24639, Stop: 23455, Start Num: 38

Candidate Starts for Orcanus_34:

(Start: 38 @24639 has 31 MA's), (116, 24420), (124, 24402), (172, 24285), (208, 24210), (216, 24198), (369, 23880), (411, 23787), (416, 23775), (428, 23757), (494, 23640), (501, 23604),

Gene: P28Green_36 Start: 26792, Stop: 25647, Start Num: 76

Candidate Starts for P28Green_36:

(Start: 76 @26792 has 118 MA's), (Start: 90 @26753 has 10 MA's), (99, 26705), (Start: 108 @26669 has 6 MA's), (121, 26624), (178, 26468), (191, 26441), (209, 26405), (246, 26348), (276, 26270), (285, 26246), (311, 26207), (348, 26135), (354, 26123), (359, 26117), (365, 26105), (402, 26030), (405, 26024), (412, 26003), (420, 25988), (431, 25970), (440, 25946), (498, 25832), (510, 25787), (511, 25784), (514, 25775), (517, 25754), (519, 25748), (522, 25736), (538, 25697),

Gene: PGHhamlin_38 Start: 26782, Stop: 25637, Start Num: 76

Candidate Starts for PGHhamlin_38:

(Start: 76 @26782 has 118 MA's), (Start: 90 @26743 has 10 MA's), (Start: 108 @26659 has 6 MA's), (121, 26614), (178, 26458), (191, 26431), (209, 26395), (246, 26338), (276, 26260), (285, 26236), (311, 26197), (348, 26125), (354, 26113), (359, 26107), (365, 26095), (402, 26020), (405, 26014), (412, 25993), (420, 25978), (431, 25960), (440, 25936), (498, 25822), (510, 25777), (511, 25774), (514, 25765), (517, 25744), (519, 25738), (522, 25726), (538, 25687),

Gene: PantheRoc_37 Start: 30354, Stop: 29092, Start Num: 37

Candidate Starts for PantheRoc_37:

(Start: 37 @30354 has 32 MA's), (96, 30198), (158, 30015), (176, 29979), (208, 29919), (216, 29907), (245, 29862), (258, 29829), (274, 29787), (366, 29619), (368, 29616), (403, 29541), (409, 29523), (411, 29520), (439, 29463), (491, 29346), (494, 29334), (507, 29277), (522, 29217), (527, 29202), (534, 29190), (538, 29181), (557, 29142),

Gene: Parada_39 Start: 31322, Stop: 30051, Start Num: 37

Candidate Starts for Parada_39:

(Start: 37 @31322 has 32 MA's), (44, 31307), (88, 31205), (97, 31163), (101, 31151), (121, 31076), (149, 31001), (154, 30992), (161, 30974), (216, 30875), (218, 30872), (264, 30782), (317, 30677), (363, 30581), (366, 30575), (439, 30413), (496, 30272), (507, 30227), (520, 30176), (522, 30167), (527, 30152), (534, 30140), (539, 30128), (563, 30089),

Gene: Pawn_36 Start: 26590, Stop: 25499, Start Num: 92

Candidate Starts for Pawn_36:

(Start: 45 @26707 has 2 MA's), (Start: 76 @26644 has 118 MA's), (Start: 92 @26590 has 14 MA's), (Start: 108 @26521 has 6 MA's), (186, 26302), (191, 26293), (209, 26257), (246, 26200), (276, 26122), (289, 26089), (348, 25987), (359, 25969), (365, 25957), (402, 25882), (405, 25876), (412, 25855), (420, 25840), (431, 25822), (440, 25798), (510, 25639), (511, 25636), (517, 25606), (519, 25600), (522, 25588), (538, 25549),

Gene: Pembroke_36 Start: 26791, Stop: 25646, Start Num: 76

Candidate Starts for Pembroke_36:

(Start: 76 @26791 has 118 MA's), (Start: 90 @26752 has 10 MA's), (Start: 108 @26668 has 6 MA's), (121, 26623), (178, 26467), (191, 26440), (209, 26404), (246, 26347), (276, 26269), (285, 26245),

(311, 26206), (348, 26134), (354, 26122), (359, 26116), (365, 26104), (402, 26029), (405, 26023), (412, 26002), (420, 25987), (431, 25969), (440, 25945), (498, 25831), (510, 25786), (511, 25783), (514, 25774), (517, 25753), (519, 25747), (522, 25735), (538, 25696),

Gene: Penny1_36 Start: 26790, Stop: 25645, Start Num: 76

Candidate Starts for Penny1_36:

(Start: 76 @26790 has 118 MA's), (Start: 90 @26751 has 10 MA's), (99, 26703), (Start: 108 @26667 has 6 MA's), (121, 26622), (178, 26466), (191, 26439), (209, 26403), (246, 26346), (276, 26268), (285, 26244), (311, 26205), (348, 26133), (354, 26121), (359, 26115), (365, 26103), (402, 26028), (405, 26022), (412, 26001), (420, 25986), (431, 25968), (440, 25944), (498, 25830), (510, 25785), (511, 25782), (514, 25773), (517, 25752), (519, 25746), (522, 25734), (538, 25695),

Gene: Ph8s_35 Start: 25309, Stop: 24314, Start Num: 108

Candidate Starts for Ph8s_35:

(Start: 81 @25426 has 6 MA's), (99, 25345), (Start: 108 @25309 has 6 MA's), (121, 25264), (183, 25096), (191, 25081), (209, 25045), (241, 25003), (245, 24991), (246, 24988), (255, 24964), (287, 24880), (348, 24775), (359, 24757), (365, 24745), (384, 24724), (402, 24670), (412, 24643), (420, 24628), (431, 24610), (441, 24583), (498, 24472), (511, 24424), (517, 24394), (519, 24388), (522, 24376), (538, 24337),

Gene: Phaded_37 Start: 28341, Stop: 27214, Start Num: 76

Candidate Starts for Phaded_37:

(Start: 76 @28341 has 118 MA's), (Start: 90 @28305 has 10 MA's), (Start: 108 @28221 has 6 MA's), (121, 28176), (167, 28047), (183, 28008), (209, 27957), (266, 27846), (276, 27822), (289, 27789), (299, 27777), (359, 27669), (361, 27666), (402, 27582), (405, 27576), (412, 27555), (420, 27540), (431, 27522), (511, 27336), (517, 27306), (519, 27300), (522, 27288), (538, 27249), (551, 27225),

Gene: Phantastic_33 Start: 26109, Stop: 24964, Start Num: 65

Candidate Starts for Phantastic_33:

(Start: 65 @26109 has 2 MA's), (Start: 71 @26100 has 3 MA's), (Start: 108 @25965 has 6 MA's), (121, 25920), (188, 25743), (191, 25737), (199, 25722), (209, 25701), (246, 25644), (276, 25566), (311, 25503), (359, 25413), (365, 25401), (402, 25326), (412, 25299), (420, 25284), (431, 25266), (440, 25242), (498, 25128), (511, 25080), (517, 25050), (519, 25044), (522, 25032), (529, 25011), (538, 24993),

Gene: Pharaoh_32 Start: 27018, Stop: 25882, Start Num: 69

Candidate Starts for Pharaoh_32:

(Start: 51 @27054 has 12 MA's), (Start: 53 @27051 has 2 MA's), (Start: 69 @27018 has 7 MA's), (Start: 95 @26937 has 8 MA's), (Start: 108 @26883 has 6 MA's), (121, 26838), (191, 26655), (209, 26619), (245, 26565), (246, 26562), (250, 26550), (276, 26484), (287, 26454), (299, 26439), (348, 26349), (359, 26331), (365, 26319), (402, 26244), (405, 26238), (412, 26217), (420, 26202), (431, 26184), (439, 26163), (441, 26157), (498, 26046), (511, 25998), (517, 25968), (519, 25962), (522, 25950), (538, 25911),

Gene: Phelipe_33 Start: 26296, Stop: 25130, Start Num: 55

Candidate Starts for Phelipe_33:

(Start: 55 @26296 has 3 MA's), (68, 26269), (Start: 76 @26251 has 118 MA's), (Start: 95 @26182 has 8 MA's), (96, 26173), (Start: 108 @26128 has 6 MA's), (186, 25909), (191, 25900), (209, 25864), (241, 25822), (245, 25810), (246, 25807), (276, 25729), (348, 25594), (359, 25576), (402, 25489), (412, 25462), (420, 25447), (431, 25429), (498, 25291), (511, 25243), (517, 25213), (519, 25207), (522, 25195), (538, 25156),

Gene: PhinkBoden_83 Start: 51724, Stop: 53022, Start Num: 51

Candidate Starts for PhinkBoden_83:

(Start: 51 @51724 has 12 MA's), (Start: 82 @51790 has 1 MA's), (105, 51892), (111, 51919), (114, 51931), (125, 51961), (138, 52000), (144, 52018), (177, 52084), (189, 52093), (243, 52177), (275, 52267), (344, 52426), (347, 52432), (348, 52435), (398, 52561), (431, 52630), (465, 52708), (488, 52759), (494, 52786), (501, 52822), (502, 52825), (503, 52828), (504, 52834), (507, 52846), (509, 52852), (510, 52855), (511, 52858), (517, 52888), (533, 52936), (537, 52945), (552, 52975),

Gene: PhishRPhriends_34 Start: 25821, Stop: 24682, Start Num: 76

Candidate Starts for PhishRPhriends_34:

(Start: 45 @25884 has 2 MA's), (Start: 76 @25821 has 118 MA's), (Start: 92 @25767 has 14 MA's), (Start: 108 @25698 has 6 MA's), (186, 25479), (191, 25470), (209, 25434), (246, 25377), (276, 25299), (289, 25266), (348, 25164), (359, 25146), (365, 25134), (402, 25059), (405, 25053), (412, 25032), (420, 25017), (431, 24999), (440, 24975), (510, 24816), (511, 24813), (517, 24783), (519, 24777), (522, 24765), (538, 24726),

Gene: PhluffyCoco_36 Start: 23912, Stop: 22719, Start Num: 38

Candidate Starts for PhluffyCoco_36:

(Start: 38 @23912 has 31 MA's), (208, 23483), (245, 23426), (358, 23174), (416, 23048), (424, 23036), (501, 22877), (522, 22796), (543, 22748),

Gene: Phoebe_36 Start: 26782, Stop: 25637, Start Num: 76

Candidate Starts for Phoebe_36:

(Start: 76 @26782 has 118 MA's), (Start: 90 @26743 has 10 MA's), (99, 26695), (Start: 108 @26659 has 6 MA's), (121, 26614), (178, 26458), (191, 26431), (209, 26395), (246, 26338), (276, 26260), (285, 26236), (311, 26197), (348, 26125), (354, 26113), (359, 26107), (365, 26095), (402, 26020), (405, 26014), (412, 25993), (420, 25978), (431, 25960), (440, 25936), (498, 25822), (510, 25777), (511, 25774), (514, 25765), (517, 25744), (519, 25738), (522, 25726), (538, 25687),

Gene: Phoebus_84 Start: 54332, Stop: 55561, Start Num: 23

Candidate Starts for Phoebus_84:

(Start: 23 @54332 has 29 MA's), (Start: 26 @54350 has 1 MA's), (Start: 43 @54389 has 1 MA's), (128, 54626), (168, 54734), (241, 54854), (242, 54857), (245, 54866), (250, 54881), (265, 54920), (299, 54998), (360, 55103), (366, 55115), (377, 55118), (381, 55127), (399, 55178), (401, 55181), (407, 55199), (455, 55295), (483, 55352), (516, 55472), (517, 55475), (523, 55499), (534, 55523), (535, 55526),

Gene: Phranny_36 Start: 26629, Stop: 25490, Start Num: 76

Candidate Starts for Phranny_36:

(Start: 45 @26692 has 2 MA's), (Start: 76 @26629 has 118 MA's), (Start: 92 @26575 has 14 MA's), (Start: 108 @26506 has 6 MA's), (186, 26287), (191, 26278), (209, 26242), (246, 26185), (276, 26107), (289, 26074), (348, 25972), (359, 25954), (365, 25942), (402, 25867), (405, 25861), (412, 25840), (420, 25825), (431, 25807), (440, 25783), (510, 25624), (511, 25621), (517, 25591), (519, 25585), (522, 25573), (538, 25534),

Gene: PhriskyACE_36 Start: 30974, Stop: 29805, Start Num: 37

Candidate Starts for PhriskyACE_36:

(Start: 37 @30974 has 32 MA's), (98, 30812), (154, 30650), (161, 30632), (194, 30566), (206, 30548), (208, 30545), (216, 30533), (245, 30488), (260, 30449), (264, 30440), (272, 30419), (274, 30416), (320, 30332), (322, 30329), (353, 30272), (422, 30137), (439, 30101), (453, 30071), (494, 30014), (496, 30002), (499, 29987), (522, 29897), (527, 29882), (538, 29861), (557, 29822), (562, 29813),

Gene: Pimento_39 Start: 30980, Stop: 29709, Start Num: 37

Candidate Starts for Pimento_39:

(25, 31004), (Start: 37 @30980 has 32 MA's), (44, 30965), (88, 30863), (97, 30821), (101, 30809), (121, 30734), (149, 30659), (154, 30650), (161, 30632), (216, 30533), (218, 30530), (264, 30440), (312, 30344), (317, 30335), (363, 30239), (377, 30215), (439, 30071), (496, 29930), (507, 29885), (520, 29834), (522, 29825), (527, 29810), (534, 29798), (539, 29786), (563, 29747),

Gene: Piro94_34 Start: 26723, Stop: 25590, Start Num: 79

Candidate Starts for Piro94_34:

(72, 26741), (Start: 79 @26723 has 2 MA's), (Start: 90 @26684 has 10 MA's), (Start: 92 @26669 has 14 MA's), (Start: 108 @26600 has 6 MA's), (121, 26555), (139, 26501), (188, 26378), (209, 26336), (237, 26300), (245, 26282), (285, 26177), (348, 26066), (359, 26048), (365, 26036), (402, 25961), (412, 25934), (420, 25919), (431, 25901), (441, 25874), (498, 25763), (510, 25718), (511, 25715), (517, 25685), (519, 25679), (522, 25667), (538, 25628),

Gene: Pistachio_34 Start: 25844, Stop: 24717, Start Num: 76

Candidate Starts for Pistachio_34:

(Start: 76 @25844 has 118 MA's), (99, 25757), (Start: 108 @25721 has 6 MA's), (121, 25676), (178, 25520), (183, 25508), (186, 25502), (209, 25457), (245, 25403), (246, 25400), (276, 25322), (359, 25169), (365, 25157), (390, 25118), (402, 25082), (405, 25076), (412, 25055), (420, 25040), (431, 25022), (441, 24995), (498, 24884), (511, 24836), (517, 24806), (519, 24800), (522, 24788), (538, 24749),

Gene: Pitbull_33 Start: 24636, Stop: 23518, Start Num: 35

Candidate Starts for Pitbull_33:

(24, 24666), (33, 24639), (Start: 35 @24636 has 1 MA's), (Start: 45 @24612 has 2 MA's), (Start: 108 @24441 has 6 MA's), (115, 24414), (161, 24306), (172, 24285), (177, 24276), (196, 24237), (206, 24219), (215, 24207), (216, 24204), (231, 24183), (259, 24123), (269, 24099), (310, 24033), (317, 24018), (338, 23976), (386, 23898), (405, 23850), (409, 23835), (426, 23814), (430, 23808), (439, 23787), (517, 23601), (538, 23547),

Gene: Polka_36 Start: 23869, Stop: 22682, Start Num: 38

Candidate Starts for Polka_36:

(12, 23959), (Start: 38 @23869 has 31 MA's), (208, 23440), (416, 23005), (494, 22870),

Gene: Polymorphads_33 Start: 26248, Stop: 25127, Start Num: 76

Candidate Starts for Polymorphads_33:

(Start: 55 @26293 has 3 MA's), (68, 26266), (Start: 76 @26248 has 118 MA's), (Start: 95 @26179 has 8 MA's), (Start: 108 @26125 has 6 MA's), (186, 25906), (191, 25897), (209, 25861), (241, 25819), (245, 25807), (246, 25804), (276, 25726), (348, 25591), (359, 25573), (402, 25486), (405, 25480), (412, 25459), (420, 25444), (431, 25426), (498, 25288), (511, 25240), (517, 25210), (519, 25204), (522, 25192), (538, 25153),

Gene: Pomar16_37 Start: 26461, Stop: 25391, Start Num: 92

Candidate Starts for Pomar16_37:

(Start: 76 @26515 has 118 MA's), (Start: 92 @26461 has 14 MA's), (Start: 108 @26392 has 6 MA's), (178, 26191), (191, 26164), (209, 26128), (246, 26071), (256, 26044), (276, 25993), (289, 25960), (299, 25948), (311, 25930), (359, 25840), (365, 25828), (390, 25789), (402, 25753), (405, 25747), (412, 25726), (420, 25711), (431, 25693), (441, 25666), (498, 25555), (511, 25507), (512, 25504), (517, 25477), (519, 25471), (522, 25459), (538, 25420),

Gene: Porcelain_86 Start: 50735, Stop: 52009, Start Num: 16

Candidate Starts for Porcelain_86:

(9, 50678), (Start: 13 @50720 has 1 MA's), (Start: 16 @50735 has 10 MA's), (17, 50738), (Start: 26 @50783 has 1 MA's), (Start: 43 @50822 has 1 MA's), (186, 51203), (241, 51287), (245, 51299), (246,

51302), (299, 51431), (377, 51551), (401, 51614), (407, 51632), (417, 51656), (455, 51728), (516, 51905), (517, 51908), (519, 51914), (523, 51932), (529, 51947), (534, 51956), (535, 51959), (558, 52004),

Gene: PotatoSplit_37 Start: 26790, Stop: 25645, Start Num: 76

Candidate Starts for PotatoSplit_37:

(Start: 76 @26790 has 118 MA's), (Start: 90 @26751 has 10 MA's), (99, 26703), (Start: 108 @26667 has 6 MA's), (121, 26622), (178, 26466), (191, 26439), (209, 26403), (246, 26346), (276, 26268), (285, 26244), (311, 26205), (348, 26133), (354, 26121), (359, 26115), (365, 26103), (402, 26028), (405, 26022), (412, 26001), (420, 25986), (431, 25968), (440, 25944), (498, 25830), (510, 25785), (511, 25782), (514, 25773), (517, 25752), (519, 25746), (522, 25734), (538, 25695),

Gene: Pound_82 Start: 54468, Stop: 55697, Start Num: 23

Candidate Starts for Pound_82:

(Start: 23 @54468 has 29 MA's), (Start: 26 @54486 has 1 MA's), (Start: 43 @54525 has 1 MA's), (128, 54762), (168, 54870), (241, 54990), (242, 54993), (245, 55002), (250, 55017), (265, 55056), (299, 55134), (360, 55239), (366, 55251), (377, 55254), (381, 55263), (399, 55314), (401, 55317), (407, 55335), (455, 55431), (483, 55488), (516, 55608), (517, 55611), (523, 55635), (534, 55659), (535, 55662),

Gene: Poushou_32 Start: 29943, Stop: 28732, Start Num: 39

Candidate Starts for Poushou_32:

(Start: 39 @29943 has 4 MA's), (107, 29769), (155, 29628), (232, 29469), (293, 29319), (336, 29229), (459, 28965), (475, 28929), (478, 28923), (534, 28758), (540, 28743), (542, 28740),

Gene: Power_33 Start: 26423, Stop: 25227, Start Num: 67

Candidate Starts for Power_33:

(Start: 53 @26453 has 2 MA's), (Start: 67 @26423 has 8 MA's), (Start: 108 @26303 has 6 MA's), (121, 26258), (178, 26102), (191, 26075), (209, 26039), (241, 25997), (246, 25982), (276, 25904), (289, 25871), (299, 25859), (311, 25841), (359, 25751), (365, 25739), (402, 25664), (405, 25658), (412, 25637), (420, 25622), (431, 25604), (441, 25577), (498, 25466), (511, 25418), (512, 25415), (517, 25388), (519, 25382), (522, 25370), (538, 25331), (565, 25277),

Gene: Powerball_37 Start: 30563, Stop: 29394, Start Num: 37

Candidate Starts for Powerball_37:

(Start: 37 @30563 has 32 MA's), (121, 30320), (169, 30203), (199, 30149), (201, 30143), (208, 30131), (216, 30119), (264, 30026), (266, 30020), (279, 29990), (317, 29921), (320, 29918), (335, 29888), (364, 29837), (403, 29765), (494, 29603), (496, 29591), (517, 29504), (520, 29495), (538, 29450), (557, 29411),

Gene: Pukovnik_35 Start: 27554, Stop: 26421, Start Num: 71

Candidate Starts for Pukovnik_35:

(Start: 71 @27554 has 3 MA's), (Start: 108 @27419 has 6 MA's), (121, 27374), (125, 27368), (137, 27329), (178, 27218), (191, 27191), (209, 27155), (241, 27113), (245, 27101), (246, 27098), (359, 26867), (365, 26855), (402, 26780), (405, 26774), (412, 26753), (420, 26738), (431, 26720), (452, 26669), (498, 26582), (511, 26534), (517, 26504), (519, 26498), (522, 26486), (529, 26465), (538, 26447),

Gene: Puppy_34 Start: 25914, Stop: 24787, Start Num: 76

Candidate Starts for Puppy_34:

(Start: 76 @25914 has 118 MA's), (99, 25827), (Start: 108 @25791 has 6 MA's), (121, 25746), (178, 25590), (183, 25578), (186, 25572), (209, 25527), (245, 25473), (246, 25470), (255, 25446), (348, 25257), (359, 25239), (365, 25227), (390, 25188), (402, 25152), (405, 25146), (412, 25125), (420,

25110), (431, 25092), (498, 24954), (511, 24906), (517, 24876), (519, 24870), (522, 24858), (538, 24819),

Gene: PurpleHaze_35 Start: 26642, Stop: 25497, Start Num: 76

Candidate Starts for PurpleHaze_35:

(Start: 45 @26705 has 2 MA's), (Start: 76 @26642 has 118 MA's), (Start: 92 @26588 has 14 MA's), (Start: 108 @26519 has 6 MA's), (186, 26300), (191, 26291), (209, 26255), (246, 26198), (276, 26120), (289, 26087), (348, 25985), (359, 25967), (365, 25955), (402, 25880), (405, 25874), (412, 25853), (420, 25838), (431, 25820), (440, 25796), (510, 25637), (511, 25634), (517, 25604), (519, 25598), (522, 25586), (538, 25547),

Gene: QueenB2_34 Start: 26488, Stop: 25370, Start Num: 76

Candidate Starts for QueenB2_34:

(Start: 45 @26551 has 2 MA's), (Start: 76 @26488 has 118 MA's), (Start: 92 @26434 has 14 MA's), (Start: 108 @26365 has 6 MA's), (121, 26320), (178, 26164), (179, 26161), (191, 26137), (209, 26101), (246, 26044), (276, 25966), (289, 25933), (299, 25921), (311, 25903), (359, 25813), (365, 25801), (405, 25720), (412, 25699), (420, 25684), (431, 25666), (441, 25639), (498, 25528), (511, 25480), (512, 25477), (517, 25450), (519, 25444), (522, 25432), (538, 25393),

Gene: QueenBeesly_34 Start: 26370, Stop: 25255, Start Num: 67

Candidate Starts for QueenBeesly_34:

(Start: 53 @26400 has 2 MA's), (Start: 67 @26370 has 8 MA's), (Start: 108 @26250 has 6 MA's), (121, 26205), (178, 26049), (191, 26022), (209, 25986), (241, 25944), (246, 25929), (289, 25818), (299, 25806), (311, 25788), (359, 25698), (365, 25686), (402, 25611), (405, 25605), (412, 25584), (420, 25569), (431, 25551), (441, 25524), (445, 25515), (498, 25413), (510, 25368), (511, 25365), (512, 25362), (517, 25335), (519, 25329), (522, 25317), (538, 25278),

Gene: Quokka_33 Start: 25599, Stop: 24475, Start Num: 76

Candidate Starts for Quokka_33:

(Start: 76 @25599 has 118 MA's), (96, 25521), (Start: 108 @25476 has 6 MA's), (121, 25431), (141, 25371), (191, 25248), (209, 25212), (245, 25158), (246, 25155), (299, 25032), (301, 25029), (311, 25014), (354, 24930), (359, 24924), (384, 24891), (389, 24876), (402, 24837), (412, 24810), (420, 24795), (431, 24777), (441, 24750), (498, 24639), (511, 24591), (512, 24588), (514, 24582), (517, 24561), (519, 24555), (522, 24543), (538, 24504),

Gene: REQ2_38 Start: 31529, Stop: 30324, Start Num: 36

Candidate Starts for REQ2_38:

(33, 31535), (Start: 36 @31529 has 7 MA's), (75, 31454), (94, 31382), (120, 31292), (147, 31220), (164, 31178), (182, 31139), (220, 31070), (226, 31061), (233, 31052), (248, 31025), (254, 31007), (263, 30986), (278, 30950), (338, 30833), (378, 30776), (403, 30716), (406, 30710), (411, 30695), (452, 30614), (502, 30485), (514, 30443), (545, 30353), (555, 30335),

Gene: REQ3_01 Start: 1320, Stop: 82, Start Num: 38

Candidate Starts for REQ3_01:

(15, 1395), (Start: 38 @1320 has 31 MA's), (88, 1203), (101, 1137), (115, 1083), (117, 1074), (119, 1068), (146, 1002), (180, 927), (216, 861), (238, 831), (245, 816), (249, 807), (264, 765), (271, 747), (289, 702), (291, 699), (300, 669), (311, 642), (316, 633), (337, 591), (338, 588), (350, 555), (375, 492), (388, 465), (403, 423), (406, 417), (411, 402), (413, 396), (430, 378), (438, 360), (439, 357), (445, 342), (458, 315), (468, 294), (499, 240), (515, 171), (517, 165), (539, 108), (545, 96),

Gene: Rabbitrun_10 Start: 3920, Stop: 2817, Start Num: 63

Candidate Starts for Rabbitrun_10:

(Start: 63 @3920 has 12 MA's), (Start: 69 @3908 has 7 MA's), (91, 3854), (Start: 93 @3845 has 2 MA's), (96, 3839), (104, 3815), (159, 3662), (195, 3590), (219, 3548), (234, 3527), (242, 3515), (253, 3482), (290, 3392), (296, 3371), (338, 3284), (359, 3257), (388, 3203), (440, 3083), (486, 2987), (497, 2972), (505, 2933), (515, 2891),

Gene: Reba_36 Start: 26302, Stop: 25163, Start Num: 76

Candidate Starts for Reba_36:

(Start: 45 @26365 has 2 MA's), (Start: 76 @26302 has 118 MA's), (Start: 92 @26248 has 14 MA's), (Start: 108 @26179 has 6 MA's), (186, 25960), (191, 25951), (209, 25915), (246, 25858), (276, 25780), (289, 25747), (348, 25645), (359, 25627), (365, 25615), (402, 25540), (405, 25534), (412, 25513), (420, 25498), (431, 25480), (440, 25456), (510, 25297), (511, 25294), (517, 25264), (519, 25258), (522, 25246), (538, 25207),

Gene: RedFox_36 Start: 23911, Stop: 22718, Start Num: 38

Candidate Starts for RedFox_36:

(Start: 38 @23911 has 31 MA's), (208, 23482), (245, 23425), (253, 23401), (358, 23173), (416, 23047), (424, 23035), (434, 23014), (501, 22876), (522, 22795), (543, 22747),

Gene: Redno2_78 Start: 49946, Stop: 51175, Start Num: 23

Candidate Starts for Redno2_78:

(Start: 23 @49946 has 29 MA's), (Start: 26 @49964 has 1 MA's), (Start: 43 @50003 has 1 MA's), (128, 50240), (168, 50348), (241, 50468), (242, 50471), (245, 50480), (250, 50495), (265, 50534), (299, 50612), (360, 50717), (366, 50729), (377, 50732), (381, 50741), (399, 50792), (401, 50795), (407, 50813), (455, 50909), (483, 50966), (516, 51086), (517, 51089), (523, 51113), (534, 51137), (535, 51140),

Gene: Renna12_35 Start: 23953, Stop: 22760, Start Num: 38

Candidate Starts for Renna12_35:

(Start: 38 @23953 has 31 MA's), (128, 23710), (208, 23524), (245, 23467), (253, 23443), (358, 23215), (416, 23089), (424, 23077), (543, 22789),

Gene: Retro23_35 Start: 26753, Stop: 25632, Start Num: 76

Candidate Starts for Retro23_35:

(Start: 45 @26816 has 2 MA's), (Start: 76 @26753 has 118 MA's), (Start: 92 @26699 has 14 MA's), (Start: 108 @26630 has 6 MA's), (121, 26585), (178, 26429), (209, 26366), (250, 26297), (266, 26255), (276, 26231), (311, 26168), (359, 26078), (365, 26066), (402, 25991), (405, 25985), (412, 25964), (420, 25949), (431, 25931), (441, 25904), (498, 25793), (510, 25748), (511, 25745), (512, 25742), (517, 25715), (519, 25709), (522, 25697), (538, 25658),

Gene: Rockstar_33 Start: 26058, Stop: 24934, Start Num: 76

Candidate Starts for Rockstar_33:

(Start: 56 @26100 has 4 MA's), (Start: 76 @26058 has 118 MA's), (Start: 90 @26019 has 10 MA's), (99, 25971), (Start: 108 @25935 has 6 MA's), (121, 25890), (186, 25716), (209, 25671), (241, 25629), (250, 25602), (276, 25536), (299, 25491), (359, 25383), (365, 25371), (384, 25350), (402, 25296), (405, 25290), (412, 25269), (420, 25254), (431, 25236), (441, 25209), (498, 25098), (511, 25050), (512, 25047), (517, 25020), (519, 25014), (522, 25002), (529, 24981), (538, 24963),

Gene: Ruchi_33 Start: 24704, Stop: 23520, Start Num: 38

Candidate Starts for Ruchi_33:

(Start: 38 @24704 has 31 MA's), (116, 24485), (172, 24350), (208, 24275), (218, 24260), (310, 24059), (411, 23852), (416, 23840), (428, 23822), (434, 23807), (494, 23705), (499, 23678), (501, 23669),

Gene: Ruthy_39 Start: 33142, Stop: 31883, Start Num: 37

Candidate Starts for Ruthy_39:

(Start: 37 @33142 has 32 MA's), (149, 32821), (208, 32707), (216, 32695), (264, 32602), (274, 32578), (366, 32410), (368, 32407), (409, 32314), (411, 32311), (439, 32254), (491, 32137), (494, 32125), (507, 32068), (527, 31993), (534, 31981), (557, 31933),

Gene: SPB78_39 Start: 30658, Stop: 29387, Start Num: 22

Candidate Starts for SPB78_39:

(Start: 22 @30658 has 1 MA's), (Start: 46 @30592 has 1 MA's), (117, 30403), (168, 30268), (178, 30244), (191, 30220), (207, 30190), (211, 30181), (214, 30175), (217, 30172), (288, 30025), (294, 30007), (337, 29917), (343, 29908), (393, 29800), (407, 29770), (432, 29722), (457, 29665), (469, 29629), (495, 29587), (498, 29569), (514, 29512), (518, 29488), (539, 29431), (555, 29404),

Gene: Sabia_36 Start: 26783, Stop: 25638, Start Num: 76

Candidate Starts for Sabia_36:

(Start: 76 @26783 has 118 MA's), (Start: 90 @26744 has 10 MA's), (99, 26696), (Start: 108 @26660 has 6 MA's), (121, 26615), (178, 26459), (191, 26432), (209, 26396), (246, 26339), (276, 26261), (285, 26237), (311, 26198), (348, 26126), (354, 26114), (359, 26108), (365, 26096), (402, 26021), (405, 26015), (412, 25994), (420, 25979), (431, 25961), (440, 25937), (498, 25823), (510, 25778), (511, 25775), (514, 25766), (517, 25745), (519, 25739), (522, 25727), (538, 25688),

Gene: Sabinator_36 Start: 26788, Stop: 25643, Start Num: 76

Candidate Starts for Sabinator_36:

(Start: 76 @26788 has 118 MA's), (Start: 90 @26749 has 10 MA's), (99, 26701), (Start: 108 @26665 has 6 MA's), (121, 26620), (178, 26464), (191, 26437), (209, 26401), (246, 26344), (276, 26266), (285, 26242), (311, 26203), (348, 26131), (354, 26119), (359, 26113), (365, 26101), (402, 26026), (405, 26020), (412, 25999), (420, 25984), (431, 25966), (440, 25942), (498, 25828), (510, 25783), (511, 25780), (514, 25771), (517, 25750), (519, 25744), (522, 25732), (538, 25693),

Gene: SamW_27 Start: 25228, Stop: 23900, Start Num: 19

Candidate Starts for SamW_27:

(Start: 19 @25228 has 3 MA's), (27, 25192), (30, 25183), (Start: 56 @25126 has 4 MA's), (134, 24916), (135, 24913), (172, 24814), (182, 24796), (219, 24730), (222, 24724), (232, 24712), (301, 24547), (325, 24502), (334, 24481), (342, 24469), (352, 24445), (364, 24421), (367, 24415), (387, 24379), (429, 24283), (453, 24226), (471, 24181), (487, 24157), (494, 24142), (509, 24076), (510, 24073), (515, 24046), (521, 24028), (546, 23968), (570, 23914),

Gene: SaturnRing_33 Start: 26297, Stop: 25170, Start Num: 76

Candidate Starts for SaturnRing_33:

(Start: 76 @26297 has 118 MA's), (99, 26210), (Start: 108 @26174 has 6 MA's), (121, 26129), (178, 25973), (183, 25961), (186, 25955), (209, 25910), (245, 25856), (246, 25853), (276, 25775), (359, 25622), (365, 25610), (390, 25571), (402, 25535), (405, 25529), (412, 25508), (420, 25493), (431, 25475), (441, 25448), (498, 25337), (511, 25289), (517, 25259), (519, 25253), (522, 25241), (538, 25202),

Gene: Sbash_40 Start: 34462, Stop: 33260, Start Num: 36

Candidate Starts for Sbash_40:

(Start: 36 @34462 has 7 MA's), (75, 34387), (87, 34357), (88, 34354), (152, 34141), (154, 34138), (180, 34075), (238, 33979), (254, 33940), (263, 33919), (286, 33865), (364, 33730), (452, 33553), (454, 33550), (456, 33547), (464, 33526), (502, 33424), (505, 33409), (522, 33343), (530, 33322),

Gene: Schatzie_77 Start: 51939, Stop: 53168, Start Num: 23

Candidate Starts for Schatzie_77:

(Start: 23 @51939 has 29 MA's), (Start: 26 @51957 has 1 MA's), (Start: 43 @51996 has 1 MA's), (128, 52233), (168, 52341), (241, 52461), (242, 52464), (245, 52473), (250, 52488), (265, 52527), (299, 52605), (360, 52710), (366, 52722), (377, 52725), (381, 52734), (399, 52785), (401, 52788), (407, 52806), (455, 52902), (483, 52959), (516, 53079), (517, 53082), (523, 53106), (534, 53130), (535, 53133),

Gene: Schmidt_32 Start: 24660, Stop: 23548, Start Num: 62

Candidate Starts for Schmidt_32:

(Start: 62 @24660 has 2 MA's), (83, 24615), (172, 24354), (184, 24330), (249, 24249), (250, 24243), (292, 24150), (315, 24108), (316, 24105), (335, 24069), (374, 23997), (392, 23946), (393, 23940), (404, 23919), (494, 23772), (502, 23733), (510, 23703), (517, 23670), (540, 23610), (561, 23571), (567, 23556),

Gene: Scout_33 Start: 25604, Stop: 24477, Start Num: 76

Candidate Starts for Scout_33:

(Start: 76 @25604 has 118 MA's), (99, 25517), (Start: 108 @25481 has 6 MA's), (121, 25436), (141, 25376), (178, 25280), (183, 25268), (186, 25262), (209, 25217), (245, 25163), (246, 25160), (255, 25136), (348, 24947), (359, 24929), (365, 24917), (390, 24878), (402, 24842), (405, 24836), (412, 24815), (420, 24800), (431, 24782), (498, 24644), (511, 24596), (517, 24566), (519, 24560), (522, 24548), (538, 24509),

Gene: Sejanus_42 Start: 40492, Stop: 39290, Start Num: 36

Candidate Starts for Sejanus_42:

(Start: 36 @40492 has 7 MA's), (75, 40417), (86, 40393), (87, 40387), (114, 40282), (152, 40171), (154, 40168), (180, 40105), (254, 39970), (263, 39949), (286, 39895), (362, 39766), (364, 39760), (454, 39580), (456, 39577), (464, 39556), (482, 39520), (502, 39454), (505, 39439), (522, 39373), (531, 39349), (545, 39319),

Gene: SemperFi_35 Start: 26638, Stop: 25517, Start Num: 67

Candidate Starts for SemperFi_35:

(Start: 53 @26668 has 2 MA's), (Start: 67 @26638 has 8 MA's), (Start: 108 @26518 has 6 MA's), (121, 26473), (178, 26317), (191, 26290), (209, 26254), (246, 26197), (250, 26185), (276, 26119), (299, 26074), (311, 26056), (359, 25966), (365, 25954), (393, 25897), (402, 25879), (405, 25873), (412, 25852), (420, 25837), (431, 25819), (441, 25792), (498, 25681), (511, 25633), (512, 25630), (517, 25603), (519, 25597), (522, 25585), (538, 25546),

Gene: Sephiroth_7 Start: 2692, Stop: 1604, Start Num: 78

Candidate Starts for Sephiroth_7:

(28, 2797), (66, 2713), (Start: 78 @2692 has 4 MA's), (125, 2521), (156, 2431), (165, 2407), (175, 2386), (296, 2155), (321, 2122), (344, 2080), (352, 2065), (363, 2044), (367, 2035), (371, 2029), (410, 1945), (419, 1930), (463, 1843), (477, 1810), (507, 1723), (509, 1717), (516, 1684), (519, 1675), (521, 1669),

Gene: Serenity_34 Start: 25724, Stop: 24600, Start Num: 76

Candidate Starts for Serenity_34:

(Start: 76 @25724 has 118 MA's), (96, 25646), (Start: 108 @25601 has 6 MA's), (121, 25556), (136, 25514), (141, 25496), (191, 25373), (209, 25337), (245, 25283), (246, 25280), (276, 25202), (299, 25157), (301, 25154), (311, 25139), (354, 25055), (359, 25049), (384, 25016), (402, 24962), (412, 24935), (420, 24920), (431, 24902), (441, 24875), (498, 24764), (511, 24716), (512, 24713), (514, 24707), (517, 24686), (519, 24680), (522, 24668), (538, 24629),

Gene: SheldonCooper_34 Start: 26519, Stop: 25467, Start Num: 95

Candidate Starts for SheldonCooper_34:

(Start: 55 @26633 has 3 MA's), (68, 26606), (Start: 76 @26588 has 118 MA's), (Start: 95 @26519 has 8 MA's), (Start: 108 @26465 has 6 MA's), (186, 26246), (191, 26237), (209, 26201), (241, 26159), (245, 26147), (246, 26144), (348, 25931), (359, 25913), (402, 25826), (405, 25820), (412, 25799), (420, 25784), (431, 25766), (498, 25628), (511, 25580), (517, 25550), (519, 25544), (522, 25532), (538, 25493),

Gene: Sidious_37 Start: 31771, Stop: 30602, Start Num: 37

Candidate Starts for Sidious_37:

(Start: 37 @31771 has 32 MA's), (152, 31447), (169, 31411), (199, 31357), (201, 31351), (208, 31339), (216, 31327), (264, 31234), (266, 31228), (279, 31198), (317, 31129), (320, 31126), (335, 31096), (364, 31045), (403, 30973), (439, 30898), (494, 30811), (496, 30799), (517, 30712), (520, 30703), (538, 30658), (557, 30619),

Gene: Sleepyhead_38 Start: 29423, Stop: 28182, Start Num: 56

Candidate Starts for Sleepyhead_38:

(Start: 36 @29465 has 7 MA's), (Start: 56 @29423 has 4 MA's), (109, 29285), (134, 29213), (212, 29036), (239, 28997), (246, 28979), (321, 28808), (335, 28781), (355, 28742), (371, 28715), (395, 28667), (410, 28634), (425, 28610), (443, 28568), (460, 28538), (467, 28520), (477, 28499), (494, 28469), (507, 28409), (510, 28400), (539, 28307), (571, 28229), (572, 28205),

Gene: Smeagan_36 Start: 26880, Stop: 25771, Start Num: 76

Candidate Starts for Smeagan_36:

(Start: 60 @26913 has 7 MA's), (Start: 69 @26895 has 7 MA's), (Start: 76 @26880 has 118 MA's), (Start: 95 @26814 has 8 MA's), (Start: 108 @26766 has 6 MA's), (121, 26721), (178, 26565), (186, 26547), (191, 26538), (209, 26502), (246, 26445), (276, 26367), (285, 26343), (289, 26334), (299, 26322), (311, 26304), (359, 26214), (365, 26202), (393, 26145), (402, 26127), (412, 26100), (420, 26085), (431, 26067), (441, 26040), (445, 26031), (498, 25929), (511, 25881), (512, 25878), (517, 25851), (519, 25845), (522, 25833), (538, 25794),

Gene: Smoothie_85 Start: 51934, Stop: 53232, Start Num: 51

Candidate Starts for Smoothie_85:

(Start: 51 @51934 has 12 MA's), (Start: 82 @52000 has 1 MA's), (105, 52102), (111, 52129), (114, 52141), (125, 52171), (138, 52210), (144, 52228), (177, 52294), (189, 52303), (243, 52387), (275, 52477), (344, 52636), (347, 52642), (348, 52645), (398, 52771), (431, 52840), (465, 52918), (488, 52969), (494, 52996), (501, 53032), (502, 53035), (503, 53038), (504, 53044), (507, 53056), (509, 53062), (510, 53065), (511, 53068), (517, 53098), (533, 53146), (537, 53155), (552, 53185),

Gene: SnapTap_34 Start: 26396, Stop: 25329, Start Num: 92

Candidate Starts for SnapTap_34:

(Start: 45 @26513 has 2 MA's), (Start: 76 @26450 has 118 MA's), (Start: 92 @26396 has 14 MA's), (Start: 108 @26327 has 6 MA's), (121, 26282), (166, 26156), (186, 26108), (191, 26099), (209, 26063), (245, 26009), (246, 26006), (299, 25883), (311, 25865), (328, 25835), (354, 25781), (359, 25775), (365, 25763), (402, 25688), (405, 25682), (412, 25661), (420, 25646), (431, 25628), (441, 25601), (498, 25490), (511, 25442), (517, 25412), (519, 25406), (522, 25394), (538, 25355),

Gene: Snickers_36 Start: 26724, Stop: 25618, Start Num: 90

Candidate Starts for Snickers_36:

(Start: 76 @26763 has 118 MA's), (Start: 90 @26724 has 10 MA's), (99, 26676), (Start: 108 @26640 has 6 MA's), (121, 26595), (178, 26439), (191, 26412), (209, 26376), (246, 26319), (276, 26241), (285, 26217), (311, 26178), (348, 26106), (354, 26094), (359, 26088), (365, 26076), (402, 26001), (405, 25995), (412, 25974), (420, 25959), (431, 25941), (440, 25917), (498, 25803), (510, 25758), (511, 25755), (514, 25746), (517, 25725), (519, 25719), (522, 25707), (538, 25668),

Gene: SoYo_36 Start: 26701, Stop: 25556, Start Num: 76

Candidate Starts for SoYo_36:

(Start: 76 @26701 has 118 MA's), (Start: 90 @26662 has 10 MA's), (99, 26614), (Start: 108 @26578 has 6 MA's), (121, 26533), (178, 26377), (191, 26350), (209, 26314), (246, 26257), (276, 26179), (285, 26155), (311, 26116), (348, 26044), (354, 26032), (359, 26026), (365, 26014), (402, 25939), (405, 25933), (412, 25912), (420, 25897), (431, 25879), (440, 25855), (498, 25741), (510, 25696), (511, 25693), (514, 25684), (517, 25663), (519, 25657), (522, 25645), (538, 25606),

Gene: SoilDragon_35 Start: 26236, Stop: 25091, Start Num: 76

Candidate Starts for SoilDragon_35:

(Start: 76 @26236 has 118 MA's), (Start: 90 @26197 has 10 MA's), (99, 26149), (Start: 108 @26113 has 6 MA's), (121, 26068), (178, 25912), (191, 25885), (209, 25849), (246, 25792), (276, 25714), (285, 25690), (311, 25651), (348, 25579), (354, 25567), (359, 25561), (365, 25549), (402, 25474), (405, 25468), (412, 25447), (420, 25432), (431, 25414), (498, 25276), (510, 25231), (511, 25228), (514, 25219), (517, 25198), (519, 25192), (522, 25180), (538, 25141),

Gene: Sparxx_33 Start: 26249, Stop: 25128, Start Num: 76

Candidate Starts for Sparxx_33:

(Start: 55 @26294 has 3 MA's), (68, 26267), (Start: 76 @26249 has 118 MA's), (Start: 95 @26180 has 8 MA's), (Start: 108 @26126 has 6 MA's), (186, 25907), (191, 25898), (209, 25862), (241, 25820), (245, 25808), (246, 25805), (276, 25727), (348, 25592), (359, 25574), (402, 25487), (405, 25481), (412, 25460), (420, 25445), (431, 25427), (498, 25289), (511, 25241), (517, 25211), (519, 25205), (522, 25193), (538, 25154),

Gene: Splinter_37 Start: 27965, Stop: 26850, Start Num: 63

Candidate Starts for Splinter_37:

(32, 28034), (Start: 63 @27965 has 12 MA's), (192, 27626), (213, 27593), (349, 27299), (361, 27287), (381, 27254), (442, 27107), (514, 26936), (519, 26909),

Gene: Squint_87 Start: 50854, Stop: 52128, Start Num: 16

Candidate Starts for Squint_87:

(9, 50797), (Start: 13 @50839 has 1 MA's), (Start: 16 @50854 has 10 MA's), (17, 50857), (Start: 26 @50902 has 1 MA's), (Start: 43 @50941 has 1 MA's), (186, 51322), (241, 51406), (245, 51418), (246, 51421), (299, 51550), (377, 51670), (401, 51733), (407, 51751), (417, 51775), (455, 51847), (516, 52024), (517, 52027), (519, 52033), (523, 52051), (529, 52066), (534, 52075), (535, 52078), (558, 52123),

Gene: StAB_26 Start: 25588, Stop: 24371, Start Num: 56

Candidate Starts for StAB_26:

(28, 25651), (Start: 56 @25588 has 4 MA's), (112, 25408), (123, 25375), (170, 25243), (217, 25153), (230, 25135), (242, 25120), (246, 25108), (257, 25081), (267, 25054), (281, 25021), (287, 25012), (323, 24949), (332, 24931), (342, 24916), (352, 24895), (385, 24829), (418, 24751), (431, 24730), (435, 24718), (437, 24715), (451, 24685), (486, 24616), (490, 24610), (494, 24598), (497, 24583), (502, 24559), (503, 24556), (505, 24544), (510, 24529), (514, 24517), (517, 24496), (521, 24484), (532, 24451), (546, 24424), (561, 24406), (568, 24385), (570, 24376),

Gene: Stagni_36 Start: 26792, Stop: 25647, Start Num: 76

Candidate Starts for Stagni_36:

(Start: 76 @26792 has 118 MA's), (Start: 90 @26753 has 10 MA's), (99, 26705), (Start: 108 @26669 has 6 MA's), (121, 26624), (178, 26468), (191, 26441), (209, 26405), (246, 26348), (276, 26270), (285, 26246), (311, 26207), (348, 26135), (354, 26123), (359, 26117), (365, 26105), (402, 26030), (405, 26024), (412, 26003), (420, 25988), (431, 25970), (440, 25946), (498, 25832), (510, 25787), (511, 25784), (514, 25775), (517, 25754), (519, 25748), (522, 25736), (538, 25697),

Gene: StarStuff_37 Start: 26423, Stop: 25353, Start Num: 92

Candidate Starts for StarStuff_37:

(Start: 76 @26477 has 118 MA's), (Start: 92 @26423 has 14 MA's), (Start: 108 @26354 has 6 MA's), (178, 26153), (191, 26126), (209, 26090), (246, 26033), (256, 26006), (276, 25955), (289, 25922), (299, 25910), (311, 25892), (348, 25820), (359, 25802), (365, 25790), (390, 25751), (402, 25715), (405, 25709), (412, 25688), (420, 25673), (431, 25655), (441, 25628), (498, 25517), (511, 25469), (512, 25466), (517, 25439), (519, 25433), (522, 25421), (538, 25382),

Gene: StepMih_36 Start: 26783, Stop: 25638, Start Num: 76

Candidate Starts for StepMih_36:

(Start: 76 @26783 has 118 MA's), (Start: 90 @26744 has 10 MA's), (99, 26696), (Start: 108 @26660 has 6 MA's), (121, 26615), (178, 26459), (191, 26432), (209, 26396), (246, 26339), (276, 26261), (285, 26237), (311, 26198), (348, 26126), (354, 26114), (359, 26108), (365, 26096), (402, 26021), (405, 26015), (412, 25994), (420, 25979), (431, 25961), (440, 25937), (498, 25823), (510, 25778), (511, 25775), (514, 25766), (517, 25745), (519, 25739), (522, 25727), (538, 25688),

Gene: Stiles_27 Start: 25121, Stop: 23991, Start Num: 57

Candidate Starts for Stiles_27:

(Start: 57 @25121 has 3 MA's), (72, 25106), (83, 25082), (115, 24968), (131, 24929), (144, 24887), (156, 24854), (160, 24845), (170, 24818), (178, 24800), (225, 24716), (239, 24701), (257, 24656), (289, 24596), (313, 24554), (321, 24542), (324, 24536), (335, 24515), (360, 24470), (364, 24461), (366, 24458), (367, 24455), (381, 24434), (415, 24350), (421, 24344), (432, 24326), (444, 24296), (481, 24239), (498, 24197), (502, 24182), (505, 24167), (507, 24161), (510, 24152), (513, 24143), (519, 24113), (534, 24071), (544, 24050), (546, 24047), (552, 24038), (566, 24011), (570, 23996),

Gene: Success_11 Start: 8095, Stop: 6848, Start Num: 41

Candidate Starts for Success_11:

(Start: 41 @8095 has 1 MA's), (Start: 90 @7975 has 10 MA's), (246, 7570), (258, 7537), (260, 7528), (282, 7474), (302, 7420), (309, 7402), (319, 7381), (342, 7336), (365, 7285), (415, 7162), (501, 6976), (506, 6955), (518, 6907),

Gene: Suerte_34 Start: 29564, Stop: 28395, Start Num: 37

Candidate Starts for Suerte_34:

(Start: 37 @29564 has 32 MA's), (98, 29402), (154, 29240), (161, 29222), (194, 29156), (206, 29138), (216, 29123), (245, 29078), (260, 29039), (264, 29030), (272, 29009), (274, 29006), (320, 28922), (414, 28739), (422, 28727), (439, 28691), (453, 28661), (494, 28604), (496, 28592), (499, 28577), (522, 28487), (538, 28451), (557, 28412), (562, 28403),

Gene: Superchunk_33 Start: 24997, Stop: 23882, Start Num: 81

Candidate Starts for Superchunk_33:

(Start: 81 @24997 has 6 MA's), (Start: 92 @24949 has 14 MA's), (99, 24916), (Start: 108 @24880 has 6 MA's), (121, 24835), (183, 24667), (191, 24652), (209, 24616), (241, 24574), (245, 24562), (246, 24559), (280, 24472), (285, 24457), (359, 24328), (365, 24316), (384, 24295), (390, 24277), (402, 24241), (412, 24214), (420, 24199), (431, 24181), (441, 24154), (498, 24043), (511, 23995), (517, 23965), (519, 23959), (522, 23947), (538, 23908),

Gene: Superphikiman_84 Start: 49930, Stop: 51219, Start Num: 13

Candidate Starts for Superphikiman_84:

(9, 49888), (Start: 13 @49930 has 1 MA's), (Start: 16 @49945 has 10 MA's), (17, 49948), (Start: 26 @49993 has 1 MA's), (Start: 43 @50032 has 1 MA's), (186, 50413), (241, 50497), (245, 50509), (246, 50512), (299, 50641), (377, 50761), (401, 50824), (407, 50842), (417, 50866), (455, 50938), (516, 51115), (517, 51118), (519, 51124), (523, 51142), (529, 51157), (534, 51166), (535, 51169), (558,

51214),

Gene: SweetiePie_34 Start: 26396, Stop: 25329, Start Num: 92

Candidate Starts for SweetiePie_34:

(Start: 45 @26513 has 2 MA's), (Start: 76 @26450 has 118 MA's), (Start: 92 @26396 has 14 MA's), (Start: 108 @26327 has 6 MA's), (121, 26282), (166, 26156), (186, 26108), (191, 26099), (209, 26063), (245, 26009), (246, 26006), (299, 25883), (311, 25865), (328, 25835), (354, 25781), (359, 25775), (365, 25763), (402, 25688), (405, 25682), (412, 25661), (420, 25646), (431, 25628), (441, 25601), (498, 25490), (511, 25442), (517, 25412), (519, 25406), (522, 25394), (538, 25355),

Gene: SwirlSquare_35 Start: 25021, Stop: 23906, Start Num: 81

Candidate Starts for SwirlSquare_35:

(Start: 81 @25021 has 6 MA's), (99, 24940), (Start: 108 @24904 has 6 MA's), (121, 24859), (151, 24772), (178, 24703), (183, 24691), (186, 24685), (209, 24640), (223, 24622), (241, 24598), (245, 24586), (246, 24583), (359, 24352), (365, 24340), (402, 24265), (412, 24238), (420, 24223), (431, 24205), (441, 24178), (511, 24019), (517, 23989), (519, 23983), (522, 23971), (538, 23932),

Gene: Syleon_7 Start: 2611, Stop: 1523, Start Num: 78

Candidate Starts for Syleon_7:

(28, 2716), (66, 2632), (Start: 78 @2611 has 4 MA's), (125, 2440), (156, 2350), (165, 2326), (175, 2305), (296, 2074), (321, 2041), (344, 1999), (352, 1984), (363, 1963), (367, 1954), (371, 1948), (410, 1864), (419, 1849), (463, 1762), (477, 1729), (509, 1636), (516, 1603), (519, 1594), (521, 1588),

Gene: TNguyen7_33 Start: 26286, Stop: 25138, Start Num: 65

Candidate Starts for TNguyen7_33:

(Start: 65 @26286 has 2 MA's), (Start: 71 @26277 has 3 MA's), (Start: 108 @26142 has 6 MA's), (121, 26097), (178, 25941), (188, 25920), (191, 25914), (209, 25878), (246, 25821), (276, 25743), (348, 25608), (359, 25590), (365, 25578), (390, 25539), (402, 25503), (405, 25497), (412, 25476), (420, 25461), (431, 25443), (441, 25416), (498, 25305), (511, 25257), (517, 25227), (519, 25221), (522, 25209), (538, 25170),

Gene: TPA4_37 Start: 32608, Stop: 31376, Start Num: 37

Candidate Starts for TPA4_37:

(33, 32614), (Start: 37 @32608 has 32 MA's), (216, 32161), (245, 32116), (298, 32005), (320, 31960), (356, 31879), (368, 31855), (373, 31849), (383, 31831), (416, 31741), (458, 31654), (485, 31603), (491, 31582), (494, 31570), (517, 31471), (522, 31453), (534, 31426),

Gene: TZGordon_39 Start: 27285, Stop: 26170, Start Num: 63

Candidate Starts for TZGordon_39:

(Start: 63 @27285 has 12 MA's), (192, 26946), (213, 26913), (349, 26619), (361, 26607), (442, 26427), (514, 26256), (519, 26229),

Gene: TarsusIV_33 Start: 26409, Stop: 25285, Start Num: 76

Candidate Starts for TarsusIV_33:

(48, 26469), (Start: 56 @26451 has 4 MA's), (Start: 76 @26409 has 118 MA's), (Start: 108 @26286 has 6 MA's), (121, 26241), (178, 26085), (191, 26058), (209, 26022), (246, 25965), (276, 25887), (289, 25854), (299, 25842), (311, 25824), (359, 25734), (361, 25731), (365, 25722), (402, 25647), (412, 25620), (420, 25605), (431, 25587), (498, 25449), (511, 25401), (512, 25398), (517, 25371), (519, 25365), (522, 25353), (538, 25314),

Gene: Taurus_36 Start: 26750, Stop: 25644, Start Num: 90

Candidate Starts for Taurus_36:

(Start: 76 @26789 has 118 MA's), (Start: 90 @26750 has 10 MA's), (99, 26702), (Start: 108 @26666 has 6 MA's), (121, 26621), (178, 26465), (191, 26438), (209, 26402), (246, 26345), (276, 26267), (285, 26243), (311, 26204), (348, 26132), (354, 26120), (359, 26114), (365, 26102), (402, 26027), (405, 26021), (412, 26000), (420, 25985), (431, 25967), (440, 25943), (498, 25829), (510, 25784), (511, 25781), (514, 25772), (517, 25751), (519, 25745), (522, 25733), (538, 25694),

Gene: TaylorSipt_34 Start: 24061, Stop: 22877, Start Num: 38

Candidate Starts for TaylorSipt_34:

(Start: 38 @24061 has 31 MA's), (172, 23707), (201, 23644), (208, 23632), (218, 23617), (290, 23464), (358, 23323), (369, 23302), (411, 23209), (416, 23197), (499, 23035), (501, 23026),

Gene: Thibault_69 Start: 48145, Stop: 49374, Start Num: 23

Candidate Starts for Thibault_69:

(Start: 23 @48145 has 29 MA's), (Start: 26 @48163 has 1 MA's), (Start: 43 @48202 has 1 MA's), (128, 48439), (168, 48547), (241, 48667), (242, 48670), (245, 48679), (250, 48694), (265, 48733), (299, 48811), (366, 48928), (377, 48931), (381, 48940), (399, 48991), (401, 48994), (407, 49012), (455, 49108), (483, 49165), (516, 49285), (517, 49288), (523, 49312), (534, 49336), (535, 49339),

Gene: ThreeRngTarjay_79 Start: 53224, Stop: 54453, Start Num: 23

Candidate Starts for ThreeRngTarjay_79:

(Start: 23 @53224 has 29 MA's), (Start: 26 @53242 has 1 MA's), (Start: 43 @53281 has 1 MA's), (128, 53518), (168, 53626), (241, 53746), (242, 53749), (245, 53758), (250, 53773), (265, 53812), (299, 53890), (360, 53995), (366, 54007), (377, 54010), (381, 54019), (399, 54070), (401, 54073), (407, 54091), (455, 54187), (483, 54244), (516, 54364), (517, 54367), (523, 54391), (534, 54415), (535, 54418),

Gene: ThulaThula_35 Start: 29873, Stop: 28671, Start Num: 36

Candidate Starts for ThulaThula_35:

(Start: 36 @29873 has 7 MA's), (75, 29798), (87, 29768), (Start: 92 @29744 has 14 MA's), (114, 29663), (154, 29549), (180, 29486), (254, 29351), (289, 29270), (328, 29207), (364, 29141), (452, 28964), (454, 28961), (456, 28958), (464, 28937), (482, 28901), (484, 28898), (495, 28868), (502, 28835), (505, 28820), (522, 28754), (530, 28733),

Gene: Tiffany_36 Start: 26675, Stop: 25530, Start Num: 76

Candidate Starts for Tiffany_36:

(Start: 76 @26675 has 118 MA's), (Start: 90 @26636 has 10 MA's), (99, 26588), (Start: 108 @26552 has 6 MA's), (121, 26507), (178, 26351), (191, 26324), (209, 26288), (246, 26231), (276, 26153), (285, 26129), (311, 26090), (348, 26018), (354, 26006), (359, 26000), (365, 25988), (402, 25913), (405, 25907), (412, 25886), (420, 25871), (431, 25853), (440, 25829), (498, 25715), (510, 25670), (511, 25667), (514, 25658), (517, 25637), (519, 25631), (522, 25619), (538, 25580),

Gene: TinaFeyge_33 Start: 26292, Stop: 25126, Start Num: 55

Candidate Starts for TinaFeyge_33:

(Start: 55 @26292 has 3 MA's), (68, 26265), (Start: 76 @26247 has 118 MA's), (Start: 95 @26178 has 8 MA's), (Start: 108 @26124 has 6 MA's), (186, 25905), (191, 25896), (209, 25860), (241, 25818), (245, 25806), (246, 25803), (276, 25725), (348, 25590), (359, 25572), (402, 25485), (412, 25458), (420, 25443), (431, 25425), (498, 25287), (511, 25239), (517, 25209), (519, 25203), (522, 25191), (538, 25152),

Gene: TinaLin_36 Start: 26813, Stop: 25707, Start Num: 63

Candidate Starts for TinaLin_36:

(Start: 63 @26813 has 12 MA's), (98, 26726), (187, 26492), (224, 26429), (234, 26417), (256, 26366), (326, 26204), (349, 26156), (412, 26027), (437, 25979), (480, 25883), (514, 25793), (519, 25766),

Gene: TopsytheTRex_33 Start: 25948, Stop: 24836, Start Num: 76

Candidate Starts for TopsytheTRex_33:

(Start: 76 @25948 has 118 MA's), (96, 25870), (Start: 108 @25825 has 6 MA's), (121, 25780), (141, 25720), (191, 25597), (209, 25561), (245, 25507), (246, 25504), (299, 25381), (301, 25378), (311, 25363), (354, 25279), (359, 25273), (402, 25198), (412, 25171), (420, 25156), (431, 25138), (441, 25111), (498, 25000), (511, 24952), (512, 24949), (514, 24943), (517, 24922), (519, 24916), (522, 24904), (538, 24865), (541, 24856),

Gene: Tomathan_37 Start: 26420, Stop: 25350, Start Num: 92

Candidate Starts for Tomathan_37:

(Start: 76 @26474 has 118 MA's), (Start: 92 @26420 has 14 MA's), (Start: 108 @26351 has 6 MA's), (178, 26150), (191, 26123), (209, 26087), (245, 26033), (246, 26030), (256, 26003), (276, 25952), (289, 25919), (299, 25907), (311, 25889), (359, 25799), (365, 25787), (390, 25748), (402, 25712), (405, 25706), (412, 25685), (420, 25670), (431, 25652), (441, 25625), (498, 25514), (511, 25466), (512, 25463), (517, 25436), (519, 25430), (522, 25418), (538, 25379),

Gene: Toniann_84 Start: 51286, Stop: 52584, Start Num: 51

Candidate Starts for Toniann_84:

(Start: 51 @51286 has 12 MA's), (Start: 82 @51352 has 1 MA's), (105, 51454), (111, 51481), (114, 51493), (125, 51523), (138, 51562), (144, 51580), (177, 51646), (189, 51655), (243, 51739), (275, 51829), (344, 51988), (347, 51994), (348, 51997), (398, 52123), (431, 52192), (465, 52270), (488, 52321), (494, 52348), (501, 52384), (502, 52387), (503, 52390), (504, 52396), (507, 52408), (509, 52414), (510, 52417), (511, 52420), (517, 52450), (533, 52498), (537, 52507), (552, 52537),

Gene: Tortellini_32 Start: 30878, Stop: 29682, Start Num: 38

Candidate Starts for Tortellini_32:

(Start: 38 @30878 has 31 MA's), (121, 30632), (133, 30599), (194, 30461), (197, 30455), (208, 30446), (216, 30434), (238, 30404), (279, 30305), (306, 30233), (317, 30212), (335, 30179), (358, 30128), (362, 30122), (405, 30029), (441, 29954), (451, 29933), (492, 29876), (494, 29867), (499, 29840), (502, 29828), (514, 29789), (526, 29735), (538, 29714),

Gene: TouchMeNot_32 Start: 30114, Stop: 28903, Start Num: 39

Candidate Starts for TouchMeNot_32:

(Start: 39 @30114 has 4 MA's), (107, 29940), (155, 29799), (232, 29640), (293, 29490), (336, 29400), (459, 29136), (475, 29100), (478, 29094), (534, 28929), (540, 28914), (542, 28911),

Gene: Travvers_37 Start: 26420, Stop: 25350, Start Num: 92

Candidate Starts for Travvers_37:

(Start: 76 @26474 has 118 MA's), (Start: 92 @26420 has 14 MA's), (Start: 108 @26351 has 6 MA's), (178, 26150), (179, 26147), (191, 26123), (209, 26087), (246, 26030), (256, 26003), (276, 25952), (289, 25919), (299, 25907), (311, 25889), (348, 25817), (359, 25799), (365, 25787), (402, 25712), (405, 25706), (412, 25685), (420, 25670), (431, 25652), (441, 25625), (498, 25514), (511, 25466), (512, 25463), (517, 25436), (519, 25430), (522, 25418), (538, 25379),

Gene: Trax_8 Start: 3425, Stop: 2322, Start Num: 63

Candidate Starts for Trax_8:

(49, 3452), (Start: 63 @3425 has 12 MA's), (Start: 69 @3413 has 7 MA's), (91, 3359), (96, 3344), (104, 3320), (110, 3293), (159, 3167), (195, 3095), (234, 3032), (242, 3020), (256, 2981), (290, 2897), (296, 2876), (338, 2789), (384, 2720), (388, 2708), (431, 2612), (440, 2588), (466, 2528), (486, 2492), (497, 2477), (505, 2438), (515, 2396),

Gene: TripleJ_37 Start: 28096, Stop: 26960, Start Num: 93

Candidate Starts for TripleJ_37:

(Start: 93 @28096 has 2 MA's), (109, 28030), (134, 27955), (140, 27934), (144, 27925), (157, 27889), (165, 27868), (198, 27805), (229, 27748), (242, 27730), (255, 27694), (266, 27664), (272, 27649), (278, 27637), (289, 27616), (303, 27580), (305, 27577), (316, 27556), (340, 27514), (342, 27511), (352, 27487), (374, 27448), (382, 27430), (427, 27322), (448, 27271), (505, 27130), (508, 27121), (523, 27058), (556, 26989), (561, 26983),

Gene: Trixie_35 Start: 27323, Stop: 26259, Start Num: 92

Candidate Starts for Trixie_35:

(Start: 76 @27377 has 118 MA's), (Start: 92 @27323 has 14 MA's), (Start: 108 @27254 has 6 MA's), (121, 27209), (178, 27053), (183, 27041), (191, 27026), (209, 26990), (241, 26948), (245, 26936), (246, 26933), (250, 26921), (276, 26855), (289, 26822), (311, 26792), (359, 26702), (361, 26699), (365, 26690), (384, 26669), (402, 26615), (412, 26588), (420, 26573), (431, 26555), (498, 26417), (511, 26369), (512, 26366), (517, 26339), (519, 26333), (522, 26321), (538, 26282),

Gene: Trooper_35 Start: 26605, Stop: 25538, Start Num: 92

Candidate Starts for Trooper_35:

(Start: 45 @26722 has 2 MA's), (Start: 76 @26659 has 118 MA's), (Start: 92 @26605 has 14 MA's), (Start: 108 @26536 has 6 MA's), (121, 26491), (178, 26335), (209, 26272), (250, 26203), (266, 26161), (276, 26137), (311, 26074), (359, 25984), (365, 25972), (402, 25897), (405, 25891), (412, 25870), (420, 25855), (431, 25837), (441, 25810), (498, 25699), (510, 25654), (511, 25651), (512, 25648), (517, 25621), (519, 25615), (522, 25603), (538, 25564),

Gene: Troy_27 Start: 25228, Stop: 23900, Start Num: 19

Candidate Starts for Troy_27:

(Start: 19 @25228 has 3 MA's), (27, 25192), (30, 25183), (Start: 56 @25126 has 4 MA's), (134, 24916), (135, 24913), (172, 24814), (182, 24796), (219, 24730), (222, 24724), (232, 24712), (301, 24547), (325, 24502), (334, 24481), (342, 24469), (352, 24445), (364, 24421), (367, 24415), (387, 24379), (429, 24283), (453, 24226), (471, 24181), (487, 24157), (494, 24142), (509, 24076), (510, 24073), (515, 24046), (521, 24028), (546, 23968), (570, 23914),

Gene: TroyPia_33 Start: 26250, Stop: 25129, Start Num: 76

Candidate Starts for TroyPia_33:

(Start: 55 @26295 has 3 MA's), (68, 26268), (Start: 76 @26250 has 118 MA's), (Start: 95 @26181 has 8 MA's), (Start: 108 @26127 has 6 MA's), (186, 25908), (191, 25899), (209, 25863), (241, 25821), (245, 25809), (246, 25806), (276, 25728), (348, 25593), (359, 25575), (402, 25488), (412, 25461), (420, 25446), (431, 25428), (498, 25290), (511, 25242), (517, 25212), (519, 25206), (522, 25194), (538, 25155),

Gene: Turbido_34 Start: 26644, Stop: 25511, Start Num: 69

Candidate Starts for Turbido_34:

(Start: 60 @26662 has 7 MA's), (Start: 69 @26644 has 7 MA's), (Start: 95 @26560 has 8 MA's), (Start: 108 @26512 has 6 MA's), (121, 26467), (191, 26284), (209, 26248), (246, 26191), (250, 26179), (256, 26164), (289, 26080), (299, 26068), (311, 26050), (359, 25960), (365, 25948), (402, 25873), (405, 25867), (412, 25846), (420, 25831), (431, 25813), (441, 25786), (498, 25675), (511, 25627), (512, 25624), (517, 25597), (519, 25591), (522, 25579), (538, 25540),

Gene: TurkishDelight_52 Start: 44050, Stop: 45588, Start Num: 6

Candidate Starts for TurkishDelight_52:

(1, 43657), (4, 43954), (Start: 6 @44050 has 1 MA's), (8, 44173), (30, 44323), (40, 44344), (77, 44425), (115, 44578), (127, 44611), (128, 44614), (173, 44731), (240, 44851), (252, 44884), (261, 44905), (279, 44947), (336, 45058), (364, 45106), (379, 45124), (389, 45142), (400, 45172), (470, 45325), (487, 45358), (498, 45400), (514, 45457), (528, 45514), (545, 45550), (555, 45568),

Gene: Ubuntu_29 Start: 26478, Stop: 25285, Start Num: 47

Candidate Starts for Ubuntu_29:

(Start: 29 @26520 has 2 MA's), (Start: 47 @26478 has 20 MA's), (84, 26412), (100, 26331), (109, 26292), (114, 26277), (115, 26271), (118, 26259), (130, 26232), (142, 26199), (164, 26142), (179, 26109), (180, 26106), (205, 26058), (233, 26016), (236, 26013), (248, 25989), (252, 25974), (263, 25950), (270, 25935), (286, 25896), (297, 25884), (316, 25845), (336, 25806), (364, 25758), (366, 25755), (403, 25683), (406, 25677), (409, 25665), (411, 25662), (413, 25656), (442, 25602), (450, 25584), (452, 25581), (464, 25554), (472, 25536), (473, 25530), (476, 25527), (495, 25485), (500, 25458), (502, 25452), (515, 25395), (536, 25332), (538, 25329),

Gene: Updawg_35 Start: 26811, Stop: 25678, Start Num: 76

Candidate Starts for Updawg_35:

(Start: 76 @26811 has 118 MA's), (Start: 92 @26757 has 14 MA's), (Start: 108 @26688 has 6 MA's), (121, 26643), (178, 26487), (191, 26460), (209, 26424), (246, 26367), (299, 26244), (311, 26226), (359, 26136), (365, 26124), (402, 26049), (405, 26043), (412, 26022), (420, 26007), (431, 25989), (441, 25962), (445, 25953), (498, 25851), (511, 25803), (517, 25773), (519, 25767), (522, 25755), (538, 25716),

Gene: VA6_33 Start: 26411, Stop: 25287, Start Num: 76

Candidate Starts for VA6_33:

(49, 26465), (Start: 76 @26411 has 118 MA's), (Start: 92 @26357 has 14 MA's), (Start: 108 @26288 has 6 MA's), (178, 26087), (191, 26060), (209, 26024), (245, 25970), (246, 25967), (256, 25940), (276, 25889), (289, 25856), (299, 25844), (311, 25826), (348, 25754), (359, 25736), (365, 25724), (390, 25685), (402, 25649), (405, 25643), (412, 25622), (420, 25607), (431, 25589), (441, 25562), (498, 25451), (511, 25403), (512, 25400), (517, 25373), (519, 25367), (522, 25355), (538, 25316),

Gene: VC3_36 Start: 26399, Stop: 25275, Start Num: 76

Candidate Starts for VC3_36:

(49, 26453), (Start: 76 @26399 has 118 MA's), (Start: 92 @26345 has 14 MA's), (Start: 108 @26276 has 6 MA's), (178, 26075), (191, 26048), (209, 26012), (245, 25958), (246, 25955), (256, 25928), (276, 25877), (289, 25844), (299, 25832), (311, 25814), (348, 25742), (359, 25724), (365, 25712), (390, 25673), (402, 25637), (405, 25631), (412, 25610), (420, 25595), (431, 25577), (441, 25550), (498, 25439), (511, 25391), (512, 25388), (517, 25361), (519, 25355), (522, 25343), (538, 25304),

Gene: VWB_31 Start: 27412, Stop: 26129, Start Num: 22

Candidate Starts for VWB_31:

(Start: 22 @27412 has 1 MA's), (31, 27379), (Start: 46 @27346 has 1 MA's), (174, 27001), (191, 26962), (210, 26926), (217, 26914), (267, 26815), (288, 26767), (337, 26659), (343, 26650), (393, 26542), (432, 26464), (469, 26371), (486, 26347), (495, 26329), (498, 26311), (504, 26287), (513, 26257), (514, 26254), (518, 26230), (521, 26221), (527, 26197), (534, 26185), (539, 26173), (560, 26134),

Gene: VanLee_32 Start: 27924, Stop: 26788, Start Num: 38

Candidate Starts for VanLee_32:

(Start: 38 @27924 has 31 MA's), (61, 27870), (73, 27852), (115, 27702), (139, 27630), (208, 27489), (216, 27477), (218, 27474), (225, 27462), (260, 27393), (317, 27291), (320, 27288), (335, 27258), (459, 27015), (461, 27012), (493, 26976), (497, 26955), (541, 26808),

Gene: Vasanti_37 Start: 29057, Stop: 27888, Start Num: 37

Candidate Starts for Vasanti_37:

(Start: 37 @29057 has 32 MA's), (121, 28814), (152, 28733), (169, 28697), (176, 28685), (199, 28643), (201, 28637), (208, 28625), (216, 28613), (260, 28529), (264, 28520), (266, 28514), (279,

28484), (317, 28415), (320, 28412), (335, 28382), (364, 28331), (403, 28259), (414, 28229), (494, 28097), (496, 28085), (517, 27998), (520, 27989), (538, 27944), (557, 27905),

Gene: Vendetta_37 Start: 27965, Stop: 26850, Start Num: 63

Candidate Starts for Vendetta_37:

(32, 28034), (Start: 63 @27965 has 12 MA's), (192, 27626), (213, 27593), (349, 27299), (361, 27287), (381, 27254), (442, 27107), (514, 26936), (519, 26909),

Gene: Vix_36 Start: 26872, Stop: 25727, Start Num: 76

Candidate Starts for Vix_36:

(Start: 76 @26872 has 118 MA's), (Start: 90 @26833 has 10 MA's), (99, 26785), (Start: 108 @26749 has 6 MA's), (121, 26704), (178, 26548), (191, 26521), (209, 26485), (246, 26428), (276, 26350), (285, 26326), (311, 26287), (348, 26215), (354, 26203), (359, 26197), (365, 26185), (402, 26110), (405, 26104), (412, 26083), (420, 26068), (431, 26050), (440, 26026), (498, 25912), (510, 25867), (511, 25864), (514, 25855), (517, 25834), (519, 25828), (522, 25816), (538, 25777),

Gene: Vulpecula_33 Start: 24379, Stop: 23195, Start Num: 38

Candidate Starts for Vulpecula_33:

(Start: 38 @24379 has 31 MA's), (116, 24160), (172, 24025), (208, 23950), (218, 23935), (310, 23734), (411, 23527), (416, 23515), (428, 23497), (434, 23482), (494, 23380), (499, 23353), (501, 23344),

Gene: Wanda_85 Start: 52091, Stop: 53320, Start Num: 23

Candidate Starts for Wanda_85:

(Start: 23 @52091 has 29 MA's), (Start: 26 @52109 has 1 MA's), (Start: 43 @52148 has 1 MA's), (128, 52385), (168, 52493), (241, 52613), (242, 52616), (245, 52625), (250, 52640), (265, 52679), (299, 52757), (360, 52862), (366, 52874), (377, 52877), (381, 52886), (399, 52937), (401, 52940), (407, 52958), (455, 53054), (483, 53111), (516, 53231), (517, 53234), (523, 53258), (534, 53282), (535, 53285),

Gene: Watson_36 Start: 26782, Stop: 25637, Start Num: 76

Candidate Starts for Watson_36:

(Start: 76 @26782 has 118 MA's), (Start: 90 @26743 has 10 MA's), (Start: 108 @26659 has 6 MA's), (121, 26614), (178, 26458), (191, 26431), (209, 26395), (246, 26338), (276, 26260), (285, 26236), (311, 26197), (348, 26125), (354, 26113), (359, 26107), (365, 26095), (402, 26020), (405, 26014), (412, 25993), (420, 25978), (431, 25960), (440, 25936), (498, 25822), (510, 25777), (511, 25774), (514, 25765), (517, 25744), (519, 25738), (522, 25726), (538, 25687),

Gene: Webster2_29 Start: 26478, Stop: 25285, Start Num: 47

Candidate Starts for Webster2_29:

(Start: 29 @26520 has 2 MA's), (Start: 47 @26478 has 20 MA's), (84, 26412), (100, 26331), (109, 26292), (114, 26277), (115, 26271), (118, 26259), (130, 26232), (142, 26199), (164, 26142), (179, 26109), (180, 26106), (205, 26058), (233, 26016), (236, 26013), (248, 25989), (252, 25974), (263, 25950), (270, 25935), (286, 25896), (297, 25884), (316, 25845), (336, 25806), (364, 25758), (366, 25755), (403, 25683), (406, 25677), (409, 25665), (411, 25662), (413, 25656), (442, 25602), (450, 25584), (452, 25581), (464, 25554), (472, 25536), (473, 25530), (476, 25527), (495, 25485), (500, 25458), (502, 25452), (515, 25395), (536, 25332), (538, 25329),

Gene: WeiHuaDA_38 Start: 28048, Stop: 26930, Start Num: 76

Candidate Starts for WeiHuaDA_38:

(Start: 76 @28048 has 118 MA's), (Start: 108 @27925 has 6 MA's), (121, 27880), (178, 27724), (191, 27697), (209, 27661), (246, 27604), (276, 27526), (289, 27493), (311, 27463), (359, 27373), (365, 27361), (388, 27328), (402, 27286), (412, 27259), (420, 27244), (431, 27226), (498, 27088), (511,

27040), (512, 27037), (517, 27010), (519, 27004), (522, 26992), (538, 26953),

Gene: Whabigail7_34 Start: 26650, Stop: 25499, Start Num: 60

Candidate Starts for Whabigail7_34:

(Start: 60 @26650 has 7 MA's), (Start: 69 @26632 has 7 MA's), (Start: 95 @26548 has 8 MA's), (Start: 108 @26500 has 6 MA's), (121, 26455), (191, 26272), (209, 26236), (246, 26179), (250, 26167), (256, 26152), (289, 26068), (299, 26056), (311, 26038), (359, 25948), (365, 25936), (402, 25861), (405, 25855), (412, 25834), (420, 25819), (431, 25801), (441, 25774), (498, 25663), (511, 25615), (512, 25612), (517, 25585), (519, 25579), (522, 25567), (538, 25528),

Gene: WheatThin_39 Start: 31322, Stop: 30051, Start Num: 37

Candidate Starts for WheatThin_39:

(Start: 37 @31322 has 32 MA's), (44, 31307), (88, 31205), (97, 31163), (101, 31151), (121, 31076), (149, 31001), (154, 30992), (161, 30974), (216, 30875), (218, 30872), (264, 30782), (317, 30677), (363, 30581), (366, 30575), (439, 30413), (496, 30272), (507, 30227), (520, 30176), (522, 30167), (527, 30152), (534, 30140), (539, 30128), (563, 30089),

Gene: WideWale_35 Start: 26811, Stop: 25678, Start Num: 76

Candidate Starts for WideWale_35:

(Start: 76 @26811 has 118 MA's), (Start: 92 @26757 has 14 MA's), (Start: 108 @26688 has 6 MA's), (121, 26643), (178, 26487), (191, 26460), (209, 26424), (246, 26367), (299, 26244), (311, 26226), (359, 26136), (365, 26124), (402, 26049), (405, 26043), (412, 26022), (420, 26007), (431, 25989), (441, 25962), (445, 25953), (498, 25851), (511, 25803), (517, 25773), (519, 25767), (522, 25755), (538, 25716),

Gene: WilliamBoone_83 Start: 50036, Stop: 51334, Start Num: 51

Candidate Starts for WilliamBoone_83:

(Start: 51 @50036 has 12 MA's), (102, 50195), (114, 50243), (125, 50273), (138, 50312), (144, 50330), (145, 50336), (189, 50405), (275, 50579), (308, 50660), (344, 50738), (347, 50744), (348, 50747), (431, 50942), (460, 51008), (474, 51047), (488, 51071), (494, 51098), (501, 51134), (502, 51137), (503, 51140), (504, 51146), (507, 51158), (509, 51164), (510, 51167), (511, 51170), (517, 51200), (533, 51248), (537, 51257), (550, 51284), (552, 51287),

Gene: Wishmaker_29 Start: 26478, Stop: 25285, Start Num: 47

Candidate Starts for Wishmaker_29:

(Start: 29 @26520 has 2 MA's), (Start: 47 @26478 has 20 MA's), (84, 26412), (100, 26331), (109, 26292), (114, 26277), (115, 26271), (118, 26259), (130, 26232), (142, 26199), (164, 26142), (179, 26109), (180, 26106), (205, 26058), (233, 26016), (236, 26013), (248, 25989), (252, 25974), (263, 25950), (270, 25935), (286, 25896), (297, 25884), (316, 25845), (336, 25806), (364, 25758), (366, 25755), (403, 25683), (406, 25677), (409, 25665), (411, 25662), (413, 25656), (442, 25602), (450, 25584), (452, 25581), (464, 25554), (472, 25536), (473, 25530), (476, 25527), (495, 25485), (500, 25458), (502, 25452), (515, 25395), (536, 25332), (538, 25329),

Gene: Wooldri_38 Start: 26701, Stop: 25556, Start Num: 76

Candidate Starts for Wooldri_38:

(Start: 76 @26701 has 118 MA's), (Start: 90 @26662 has 10 MA's), (Start: 108 @26578 has 6 MA's), (121, 26533), (178, 26377), (191, 26350), (209, 26314), (246, 26257), (276, 26179), (285, 26155), (311, 26116), (348, 26044), (354, 26032), (359, 26026), (365, 26014), (402, 25939), (405, 25933), (412, 25912), (420, 25897), (431, 25879), (440, 25855), (498, 25741), (510, 25696), (511, 25693), (514, 25684), (517, 25663), (519, 25657), (522, 25645), (538, 25606),

Gene: Xavia_34 Start: 31565, Stop: 30369, Start Num: 38

Candidate Starts for Xavia_34:

(Start: 38 @31565 has 31 MA's), (121, 31319), (133, 31286), (194, 31148), (197, 31142), (208, 31133), (216, 31121), (238, 31091), (279, 30992), (306, 30920), (335, 30866), (358, 30815), (362, 30809), (405, 30716), (413, 30692), (441, 30641), (451, 30620), (492, 30563), (494, 30554), (499, 30527), (502, 30515), (514, 30476), (526, 30422), (538, 30401),

Gene: XianYue_35 Start: 26639, Stop: 25515, Start Num: 79

Candidate Starts for XianYue_35:

(59, 26681), (Start: 79 @26639 has 2 MA's), (Start: 90 @26600 has 10 MA's), (99, 26552), (Start: 108 @26516 has 6 MA's), (121, 26471), (183, 26303), (209, 26252), (276, 26117), (285, 26093), (359, 25964), (365, 25952), (402, 25877), (405, 25871), (412, 25850), (420, 25835), (431, 25817), (498, 25679), (511, 25631), (517, 25601), (519, 25595), (522, 25583), (529, 25562), (538, 25544),

Gene: Yecey3_35 Start: 26339, Stop: 25209, Start Num: 69

Candidate Starts for Yecey3_35:

(21, 26456), (Start: 23 @26450 has 29 MA's), (34, 26414), (Start: 51 @26375 has 12 MA's), (Start: 53 @26372 has 2 MA's), (Start: 69 @26339 has 7 MA's), (Start: 95 @26258 has 8 MA's), (Start: 108 @26204 has 6 MA's), (121, 26159), (141, 26099), (191, 25976), (245, 25886), (246, 25883), (276, 25805), (285, 25781), (299, 25760), (311, 25742), (357, 25655), (359, 25652), (365, 25640), (402, 25565), (405, 25559), (412, 25538), (420, 25523), (431, 25505), (498, 25367), (511, 25319), (517, 25289), (519, 25283), (522, 25271), (538, 25232),

Gene: Yeet_76 Start: 51441, Stop: 52670, Start Num: 23

Candidate Starts for Yeet_76:

(Start: 23 @51441 has 29 MA's), (Start: 26 @51459 has 1 MA's), (Start: 43 @51498 has 1 MA's), (128, 51735), (168, 51843), (241, 51963), (242, 51966), (245, 51975), (250, 51990), (265, 52029), (299, 52107), (360, 52212), (366, 52224), (377, 52227), (381, 52236), (399, 52287), (401, 52290), (407, 52308), (455, 52404), (483, 52461), (516, 52581), (517, 52584), (523, 52608), (534, 52632), (535, 52635),

Gene: Yeezy_36 Start: 30168, Stop: 28906, Start Num: 37

Candidate Starts for Yeezy_36:

(Start: 37 @30168 has 32 MA's), (96, 30012), (158, 29829), (176, 29793), (208, 29733), (216, 29721), (245, 29676), (258, 29643), (274, 29601), (366, 29433), (368, 29430), (373, 29424), (403, 29355), (409, 29337), (411, 29334), (439, 29277), (491, 29160), (494, 29148), (507, 29091), (522, 29031), (527, 29016), (534, 29004), (538, 28995), (557, 28956), (569, 28926),

Gene: Yvonnetastic_95 Start: 55831, Stop: 57078, Start Num: 53

Candidate Starts for Yvonnetastic_95:

(11, 55705), (Start: 53 @55831 has 2 MA's), (105, 55996), (114, 56035), (132, 56086), (144, 56122), (157, 56140), (189, 56191), (207, 56227), (245, 56281), (251, 56302), (295, 56413), (305, 56437), (308, 56446), (315, 56461), (339, 56512), (382, 56596), (408, 56665), (460, 56773), (474, 56815), (494, 56866), (504, 56914), (510, 56935), (517, 56968), (523, 56989), (535, 57016), (552, 57049),

Gene: Zelink_79 Start: 53554, Stop: 54765, Start Num: 26

Candidate Starts for Zelink_79:

(Start: 23 @53536 has 29 MA's), (Start: 26 @53554 has 1 MA's), (Start: 43 @53593 has 1 MA's), (128, 53830), (168, 53938), (241, 54058), (242, 54061), (245, 54070), (250, 54085), (265, 54124), (299, 54202), (360, 54307), (366, 54319), (377, 54322), (381, 54331), (399, 54382), (401, 54385), (407, 54403), (455, 54499), (483, 54556), (516, 54676), (517, 54679), (523, 54703), (534, 54727), (535, 54730),

Gene: Zetzy_35 Start: 26308, Stop: 25202, Start Num: 90

Candidate Starts for Zetzy_35:

(Start: 56 @26389 has 4 MA's), (Start: 76 @26347 has 118 MA's), (Start: 90 @26308 has 10 MA's), (99, 26260), (Start: 108 @26224 has 6 MA's), (121, 26179), (191, 25996), (209, 25960), (246, 25903), (276, 25825), (299, 25780), (359, 25672), (365, 25660), (402, 25585), (405, 25579), (412, 25558), (420, 25543), (440, 25501), (498, 25387), (510, 25342), (511, 25339), (517, 25309), (519, 25303), (522, 25291), (538, 25252),

Gene: Zimmer_35 Start: 28186, Stop: 27065, Start Num: 76

Candidate Starts for Zimmer_35:

(52, 28237), (54, 28234), (61, 28216), (Start: 76 @28186 has 118 MA's), (Start: 108 @28066 has 6 MA's), (121, 28021), (134, 27985), (179, 27862), (191, 27838), (199, 27823), (246, 27745), (276, 27667), (285, 27643), (299, 27622), (311, 27604), (335, 27559), (348, 27532), (359, 27514), (365, 27502), (402, 27427), (405, 27421), (412, 27400), (420, 27385), (431, 27367), (441, 27340), (498, 27229), (511, 27181), (517, 27151), (519, 27145), (522, 27133), (538, 27094),