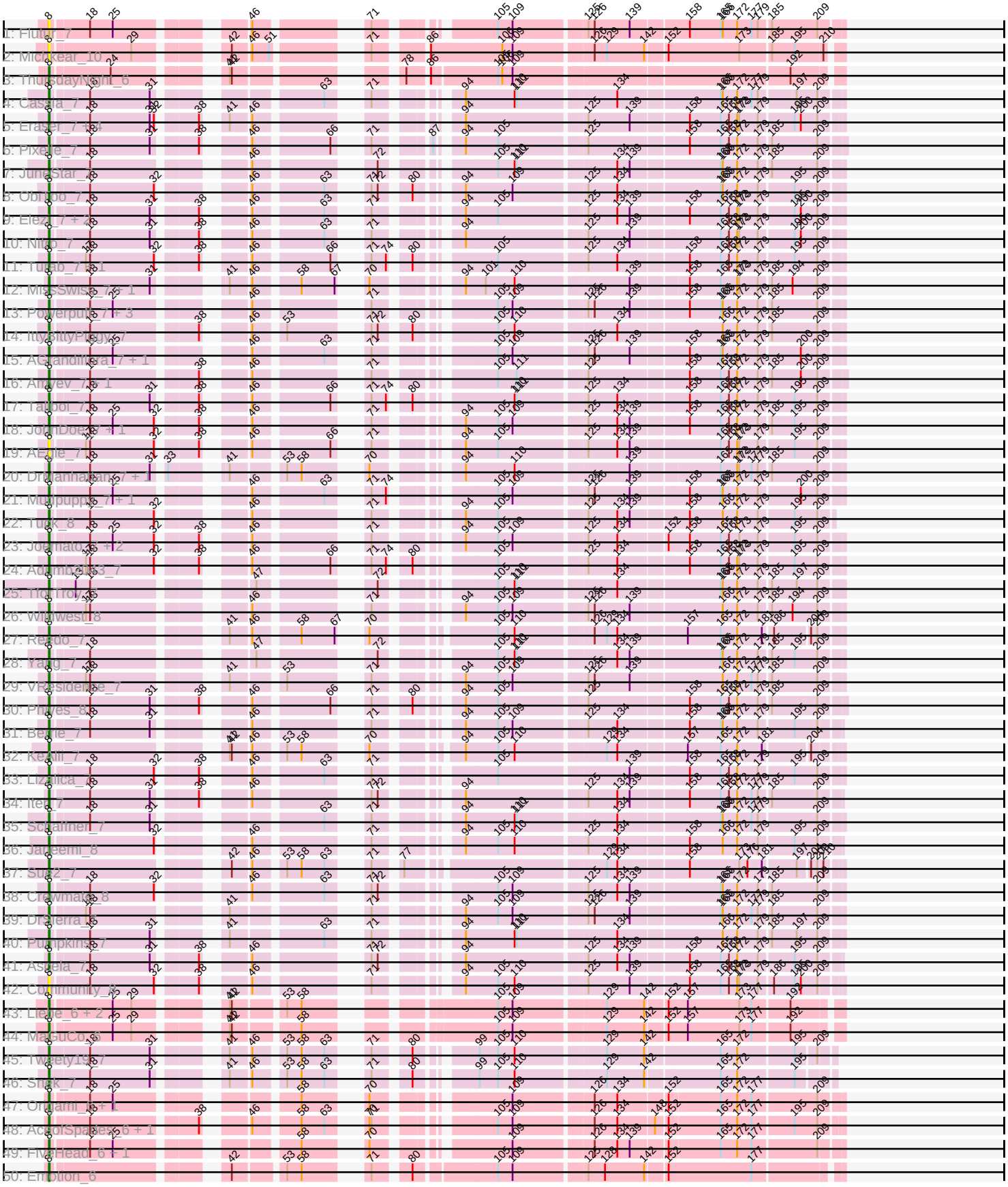
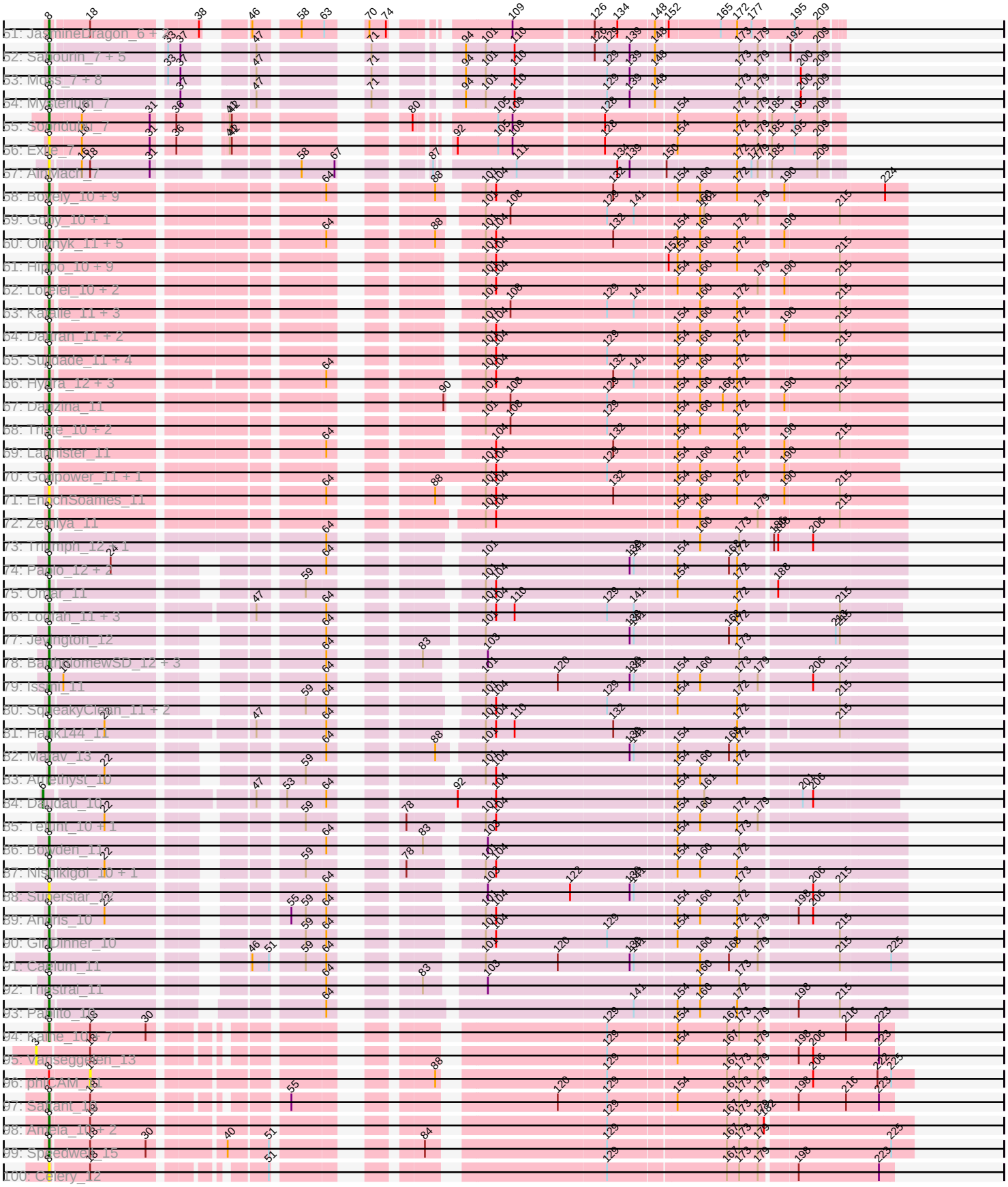
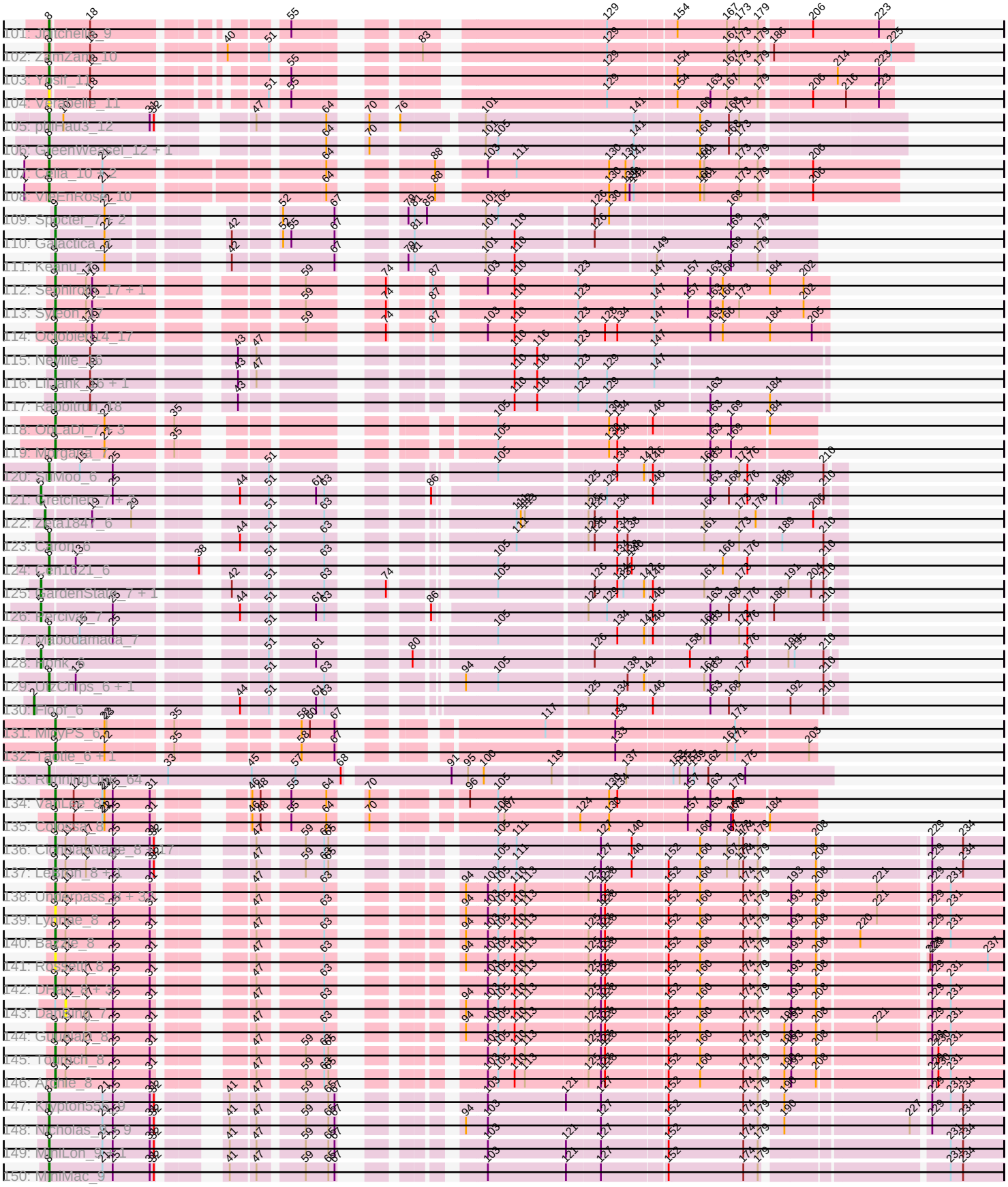
Pham 347118



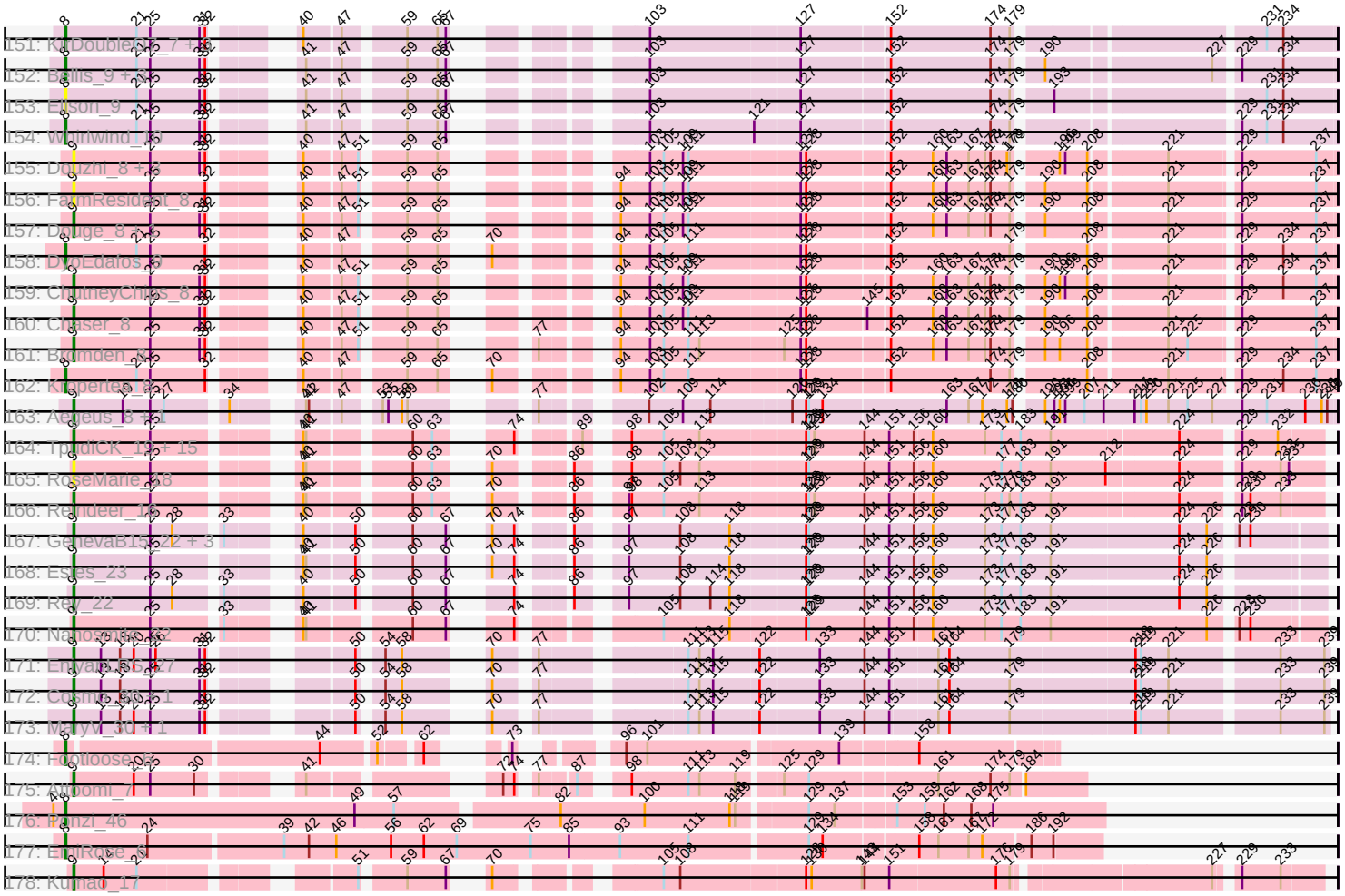
Pham 347118



Pham 347118



Pham 347118



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 347118 Report

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

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 347118 has 388 members, 48 are drafts.

Phages represented in each track:
- Track 1 : Flutur_7
- Track 2 : Michkear_10
- Track 3 : ThursdayNight_6
- Track 4 : Cassia_7
- Track 5 : Eraser_7, Jstan_7, Asa16_7, London_7, Niobe_7
- Track 6 : Pixelle_7
- Track 7 : JuneStar_7
- Track 8 : ObiToo_7
- Track 9 : Elezi_7, Skelbel_7, Subaru_7
- Track 10 : Nitro_7
- Track 11 : Turab_7, Amploria_7
- Track 12 : MissSwiss_7, PandaPo_7
- Track 13 : Powerpuff_7, Tutumahutu_7, Lego_7, YesChef_7
- Track 14 : IttyBittyPiggy_7
- Track 15 : AGrandiflora_7, Warda_7
- Track 16 : Amyev_7, Tian_7
- Track 17 : Tallboi_7
- Track 18 : JohnDoe_7, Cyan_7
- Track 19 : AEgle_7
- Track 20 : DrManhattan_7, Adolin_7
- Track 21 : Mudpuppy_7, Tbone_7
- Track 22 : Tuck_8
- Track 23 : Joemato_7, Kaylissa_7, Simpson_7
- Track 24 : Adumb2043_7
- Track 25 : TforTroy_7
- Track 26 : Wildwest_8
- Track 27 : Reedo_7
- Track 28 : Yang_7
- Track 29 : VResidence_7
- Track 30 : Phives_8
- Track 31 : Berrie_7
- Track 32 : KeAlii_7
- Track 33 : Lizalica_7

• Track 34 : Iter_7
• Track 35 : Schaffner_7
• Track 36 : Janeemi_8
• Track 37 : Sue2_7
• Track 38 : Crewmate_8
• Track 39 : DrSierra_7
• Track 40 : Pumpkins_7
• Track 41 : Ascela_7
• Track 42 : Community_8
• Track 43 : Liebe_6, Maureen_6, IUFootball_6
• Track 44 : MaGuCo_6
• Track 45 : Tweety19_7
• Track 46 : Snek_7
• Track 47 : Origami_6, LadyAstra_6
• Track 48 : AceofSpades_6, VroomVroom_6
• Track 49 : FiveHead_6, JohnThicc_6
• Track 50 : Emotion_6
• Track 51 : JasmineDragon_6, ShakeItOph_6, MiniMommy_6
• Track 52 : Sabourin_7, Sooty_7, Gambol_7, Donkey_7, Kalimba_7, Cappuccino_7
• Track 53 : Moss_7, Halsey_7, Stuu_7, Ashes_7, RockScotty_7, Giorgio_7, SpecialK_7, Beaupre_7, Gumpizza_7
• Track 54 : Mysterium_7
• Track 55 : Soondubu_7
• Track 56 : Exile_7
• Track 57 : AinMach_7
• Track 58 : Bovely_10, Nerdos_10, Ozzie_10, Aaronocolus_10, Leviticus_10, BeardedLady_11, Esperer_10, Indigo_10, Phettuccine_10, Caliburn_10
• Track 59 : Goby_10, Toma_10
• Track 60 : Oliynyk_11, Rusticus_11, Jash_11, Eddasa_11, BryanRecycles_11, Izzy_11
• Track 61 : Hippo_10, Snorlax_10, SarahRose_10, Dwayne_10, Whatever_10, Chucky_10, BarryBee_12, Emaanora_12, Werner_10, TagePhighter_11
• Track 62 : Lorelei_10, Rana_10, Nabi_10
• Track 63 : Katalie_11, RedBear_12, Nanodon_12, South40_11
• Track 64 : Dattran_11, Brataylor_11, Celeste_10
• Track 65 : Sujidade_11, Maneekul_10, TuanPN_10, Ejemplo_10, Yasdnil_10
• Track 66 : Hydra_12, SunsetPointe_10, Unstoppable_10, Legacy_10
• Track 67 : Danzina_11
• Track 68 : Triste_10, Asten_10, OzzyJ_11
• Track 69 : Lannister_11
• Track 70 : Godpower_11, Lika_10
• Track 71 : EnochSoames_11
• Track 72 : Zemlya_11
• Track 73 : Triumph_12, Axiom_11
• Track 74 : Paolo_12, Zainub_12, Puginator_12
• Track 75 : Omar_11
• Track 76 : Loofah_11, R4_10, ELB20_09, Paedore_10
• Track 77 : Jevington_12
• Track 78 : BartholomewSD_12, Alvy_12, TrvxScott_9, TinaBelcher_10
• Track 79 : Issmi_11
• Track 80 : SqueakyClean_11, Janus_11, Animus_11
• Track 81 : Hank144_11
• Track 82 : Marav_13

• Track 83 : Amethyst_10
• Track 84 : Daudau_10
• Track 85 : Tefunt_10, Haizum_10
• Track 86 : Bowden_11
• Track 87 : Nishikigoi_10, Diane_10
• Track 88 : Superstar_12
• Track 89 : Andris_10
• Track 90 : GirlDinner_10
• Track 91 : Caelum_11
• Track 92 : Thestral_11
• Track 93 : Pablito_10
• Track 94 : Kaine_10, Conan_11, Dexers_9, ElGato_11, Provolone_11, Alsaber_11, Sudan_10, Pavo_11
• Track 95 : Vanseggelen_13
• Track 96 : phiCAM_11
• Track 97 : Saftant_10
• Track 98 : Amela_10, Verse_10, SunkenRoot_10
• Track 99 : Speedwell_15
• Track 100 : Celery_12
• Track 101 : Jhitchelle_9
• Track 102 : ZamZam_10
• Track 103 : Yosif_11
• Track 104 : Verabelle_11
• Track 105 : phiHau3_12
• Track 106 : GreenWeasel_12, BroPlease_11
• Track 107 : Celia_10, Itza_10, Urza_10
• Track 108 : VieEnRose_10
• Track 109 : Spocter_7, Hiyaa_7, Kokushibo_7
• Track 110 : Galactica_7
• Track 111 : Keanu_7
• Track 112 : Sephiroth_17, Kudefre_16
• Track 113 : Syleon_17
• Track 114 : Octobien14_17
• Track 115 : Neville_16
• Track 116 : LilJank_16, Trax_16
• Track 117 : Rabbitrun_18
• Track 118 : ObLaDi_7, ModicumRichard_7, Cafasso_7, Aleemily_7
• Track 119 : Morgana_7
• Track 120 : SuMoo_6
• Track 121 : Gretchen_7, Forester_7, SuperHands_7
• Track 122 : Zeta1847_6
• Track 123 : Caron_6
• Track 124 : Cen1621_6
• Track 125 : GardenState_7, IAmGroot_7
• Track 126 : Percival_7
• Track 127 : Mabodamaca_7
• Track 128 : Honk_6
• Track 129 : UtzChips_6, Barnstormer_6
• Track 130 : Floof_6
• Track 131 : MicyPS_6
• Track 132 : Taotie_6, PSonyx_6
• Track 133 : RunningOnE_64
• Track 134 : VanLee_8

• Track 135 : Colossa_8
• Track 136 : CicholasNage_8, DirkDirk_8, Calm_8, OhShagHennessy_8, Zaria_8, AvadaKedavra_8, JoeDirt_8, Wamburgrxpress_8, UPIE_8, Silverleaf_8, Acquire49_8, Tyson_8, Wyatt2_8, Rose5_8, Enceladus_8, Halena_8, MAckerman_8, Poochiewood_8
• Track 137 : LeBron_8, Appletree2_8
• Track 138 : Underpass_8, Nicholasp3_8, BobsGarage_8, OverPar_8, Miley16_8, Zakai_8, Loadrie_8, Gardann_8, SoJulia_8, MkaliMitinis3_8, BigCheese_8, Faith1_8, Breezona_8, ChengKai98_8, Hiraya_8, Itos_8, Netyap_8, LilDestine_8, Gabriela_8, Winky_8, Sarshaun_8, Lewan_8, DrSeegs_8, Rumpelstiltskin_8, Vetrix_8, Soap141_8, Finemlucis_8, Kahlid_8, Molivier_8, Wilder_8, Crossroads_8, Hafay_8, Wigglewiggle_8
• Track 139 : Lynnae_8
• Track 140 : Bazzle_8
• Track 141 : Rossetti_8
• Track 142 : DHan_8, Claus_8, Baoshan_7, ZhongYanYuan_7
• Track 143 : DanBing_7
• Track 144 : GuuelaD_8
• Track 145 : Tourach_8
• Track 146 : Archie_8
• Track 147 : Krypton555_9
• Track 148 : Nicholas_9, Red305_9, Clautastrophe_9, Jobypre_9, Lumos_9, Jubie_9, TriFive_9, Kingsolomon_9, Snenia_9, MsGreen_9
• Track 149 : MiniLon_9, Lolly9_9
• Track 150 : MiniMac_9
• Track 151 : KirDoubleO7_7, BourbonZero_8, LiyuLake_9, DuncansLeg_9
• Track 152 : Bellis_9, Moostard_9, Samty_9, Finnry_9
• Track 153 : Ellson_9
• Track 154 : Whirlwind_10
• Track 155 : Douzhi_8, PYPDinur_8, Sheng711_8, BrainDrainer_9
• Track 156 : FarmResident_8
• Track 157 : Douge_8, Quby_8
• Track 158 : DyoEdafos_9
• Track 159 : ChutneyChips_8
• Track 160 : Chaser_8
• Track 161 : Bromden_8
• Track 162 : Kropertea_8
• Track 163 : Aegeus_8, Baudelaire_8
• Track 164 : TpudiCK_19, Izel_19, Glaske16_19, Bricole_18, IPhane7_18, KleverKiS_18, PegLeg_18, FreakyGoo_19, TyDawg_18, Auspice_18, Dulcita_19, Diminimus_19, Skinny_19, LilhomieP_17, Bongo_18, SlimJimmy_17
• Track 165 : RoseMarie_18
• Track 166 : Reindeer_16
• Track 167 : GenevaB15_22, Aziz_22, GardenSalsa_22, MrMagoo_22
• Track 168 : Estes_23
• Track 169 : Rey_22
• Track 170 : Nanosmite_22
• Track 171 : EniyanLRS_27
• Track 172 : Cosmo_30, Azrael100_29
• Track 173 : MaryV_30, Wildcat_30
• Track 174 : Footloose_6
• Track 175 : Attoomi_7
• Track 176 : Ponzi_46

• Track 177 : EmiRose_6
• Track 178 : Kumao_17

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

The start number called the most often in the published annotations is 8, it was called in 222 of the 340 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AEgle_7, AGrandiflora_7, Aaronocolus_10, AceofSpades_6, Adolin_7, Adumb2043_7, AinMach_7, Alsaber_11, Alvy_12, Amela_10, Amethyst_10, Amploria_7, Amyev_7, Andris_10, Animus_11, Asa16_7, Ascela_7, Ashes_7, Asten_10, Axiom_11, Barnstormer_6, BarryBee_12, BartholomewSD_12, BeardedLady_11, Beaupre_7, Bellis_9, Berrie_7, BourbonZero_8, Bovely_10, Bowden_11, Brataylor_11, BroPlease_11, BryanRecycles_11, Caelum_11, Caliburn_10, Cappuccino_7, Caron_6, Cassia_7, Celery_12, Celeste_10, Celia_10, Cen1621_6, Chucky_10, Clautastrophe_9, Community_8, Conan_11, Crewmate_8, Cyan_7, Danzina_11, Dattran_11, Dexers_9, Diane_10, Donkey_7, DrManhattan_7, DrSierra_7, DuncansLeg_9, Dwayne_10, DyoEdafos_9, ELB20_09, Eddasa_11, Ejemplo_10, ElGato_11, Elezi_7, Ellson_9, Emaanora_12, EmiRose_6, Emotion_6, EnochSoames_11, Eraser_7, Esperer_10, Exile_7, Finnry_9, FiveHead_6, Flutur_7, Footloose_6, Gambol_7, Giorgio_7, GirlDinner_10, Goby_10, Godpower_11, GreenWeasel_12, Gumpizza_7, Haizum_10, Halsey_7, Hank144_11, Hippo_10, Hydra_12, IUFootball_6, Indigo_10, Issmi_11, Iter_7, IttyBittyPiggy_7, Itza_10, Izzy_11, Janeemi_8, Janus_11, Jash_11, JasmineDragon_6, Jevington_12, Jhitchelle_9, Jobypre_9, Joemato_7, JohnDoe_7, JohnThicc_6, Jstan_7, Jubie_9, JuneStar_7, Kaine_10, Kalimba_7, Katalie_11, Kaylissa_7, KeAlii_7, Kingsolomon_9, KirDoubleO7_7, Kropertea_8, Krypton555_9, LadyAstra_6, Lannister_11, Legacy_10, Lego_7, Leviticus_10, Liebe_6, Lika_10, LiyuLake_9, Lizalica_7, Lolly9_9, London_7, Loofah_11, Lorelei_10, Lumos_9, MaGuCo_6, Mabodamaca_7, Maneekul_10, Marav_13, Maureen_6, Michkear_10, MiniLon_9, MiniMac_9, MiniMommy_6, MissSwiss_7, Moostard_9, Moss_7, MsGreen_9, Mudpuppy_7, Mysterium_7, Nabi_10, Nanodon_12, Nerdos_10, Nicholas_9, Niobe_7, Nishikigoi_10, Nitro_7, ObiToo_7, Oliynyk_11, Omar_11, Origami_6, Ozzie_10, OzzyJ_11, Pablito_10, Paedore_10, PandaPo_7, Paolo_12, Pavo_11, Phettuccine_10, Phives_8, Pixelle_7, Ponzi_46, Powerpuff_7, Provolone_11, Puginator_12, Pumpkins_7, R4_10, Rana_10, Red305_9, RedBear_12, Reedo_7, RockScotty_7, RunningOnE_64, Rusticus_11, Sabourin_7, Saftant_10, Samty_9, SarahRose_10, Schaffner_7, ShakeItOph_6, Simpson_7, Skelbel_7, Snek_7, Snenia_9, Snorlax_10, Soondubu_7, Sooty_7, South40_11, SpecialK_7, Speedwell_15, SqueakyClean_11, Stuu_7, SuMoo_6, Subaru_7, Sudan_10, Sue2_7, Sujidade_11, SunkenRoot_10, SunsetPointe_10, Superstar_12, TagePhighter_11, Tallboi_7, Tbone_7, Tefunt_10, TforTroy_7, Thestral_11, ThursdayNight_6, Tian_7, TinaBelcher_10, Toma_10, TriFive_9, Triste_10, Triumph_12, TrvxScott_9, TuanPN_10, Tuck_8, Turab_7, Tutumahutu_7, Tweety19_7, Unstoppable_10, Urza_10, UtzChips_6, VResidence_7, Verabelle_11, Verse_10, VieEnRose_10, VroomVroom_6, Warda_7, Werner_10, Whatever_10, Whirlwind_10, Wildwest_8, Yang_7, Yasdnil_10, YesChef_7, Yosif_11, Zainub_12, ZamZam_10, Zemlya_11, phiHau3_12,

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

• phiCAM_11,

Genes that do not have the "Most Annotated" start:
• Acquire49_8, Aegeus_8, Aleemily_7, Appletree2_8, Archie_8, Attoomi_7, Auspice_18, AvadaKedavra_8, Aziz_22, Azrael100_29, Baoshan_7, Baudelaire_8, Bazzle_8, BigCheese_8, BobsGarage_8, Bongo_18, BrainDrainer_9, Breezona_8, Bricole_18, Bromden_8, Cafasso_7, Calm_8, Chaser_8, ChengKai98_8, ChutneyChips_8, CicholasNage_8, Claus_8, Colossa_8, Cosmo_30, Crossroads_8, DHan_8, DanBing_7, Daudau_10, Diminimus_19, DirkDirk_8, Douge_8, Douzhi_8, DrSeegs_8, Dulcita_19, Enceladus_8, EniyanLRS_27, Estes_23, Faith1_8, FarmResident_8, Finemlucis_8, Floof_6, Forester_7, FreakyGoo_19, Gabriela_8, Galactica_7, Gardann_8, GardenSalsa_22, GardenState_7, GenevaB15_22, Glaske16_19, Gretchen_7, GuuelaD_8, Hafay_8, Halena_8, Hiraya_8, Hiyaa_7, Honk_6, IAmGroot_7, IPhane7_18, Itos_8, Izel_19, JoeDirt_8, Kahlid_8, Keanu_7, KleverKiS_18, Kokushibo_7, Kudefre_16, Kumao_17, LeBron_8, Lewan_8, LilDestine_8, LilJank_16, LilhomieP_17, Loadrie_8, Lynnae_8, MAckerman_8, MaryV_30, MicyPS_6, Miley16_8, MkaliMitinis3_8, ModicumRichard_7, Molivier_8, Morgana_7, MrMagoo_22, Nanosmite_22, Netyap_8, Neville_16, Nicholasp3_8, ObLaDi_7, Octobien14_17, OhShagHennessy_8, OverPar_8, PSonyx_6, PYPDinur_8, PegLeg_18, Percival_7, Poochiewood_8, Quby_8, Rabbitrun_18, Reindeer_16, Rey_22, Rose5_8, RoseMarie_18, Rossetti_8, Rumpelstiltskin_8, Sarshaun_8, Sephiroth_17, Sheng711_8, Silverleaf_8, Skinny_19, SlimJimmy_17, SoJulia_8, Soap141_8, Spocter_7, SuperHands_7, Syleon_17, Taotie_6, Tourach_8, TpudiCK_19, Trax_16, TyDawg_18, Tyson_8, UPIE_8, Underpass_8, VanLee_8, Vanseggelen_13, Vetrix_8, Wamburgrxpress_8, Wigglewiggle_8, Wildcat_30, Wilder_8, Winky_8, Wyatt2_8, Zakai_8, Zaria_8, Zeta1847_6, ZhongYanYuan_7,

Summary by start number:

Start 2:
• Found in 1 of 388 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Floof_6 (EH),

Start 3:
• Found in 1 of 388 (0.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Vanseggelen_13 (BD3),

Start 5:
• Found in 7 of 388 (1.8%) of genes in pham
• Manual Annotations of this start: 7 of 340
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Forester_7 (EH), GardenState_7 (EH), Gretchen_7 (EH), Honk_6 (EH), IAmGroot_7 (EH), Percival_7 (EH), SuperHands_7 (EH),

Start 6:
• Found in 1 of 388 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Daudau_10 (BD2),

Start 7:
• Found in 1 of 388 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zeta1847_6 (EH),

Start 8:
• Found in 246 of 388 (63.4%) of genes in pham
• Manual Annotations of this start: 222 of 340
• Called 99.6% of time when present
• Phage (with cluster) where this start called: AEgle_7 (AZ1), AGrandiflora_7 (AZ1), Aaronocolus_10 (BD1), AceofSpades_6 (AZ4), Adolin_7 (AZ1), Adumb2043_7 (AZ1), AinMach_7 (AZ7), Alsaber_11 (BD3), Alvy_12 (BD2), Amela_10 (BD3), Amethyst_10 (BD2), Amploria_7 (AZ1), Amyev_7 (AZ1), Andris_10 (BD2), Animus_11 (BD2), Asa16_7 (AZ1), Ascela_7 (AZ1), Ashes_7 (AZ5), Asten_10 (BD1), Axiom_11 (BD2), Barnstormer_6 (EH), BarryBee_12 (BD1), BartholomewSD_12 (BD2), BeardedLady_11 (BD1), Beaupre_7 (AZ5), Bellis_9 (L3), Berrie_7 (AZ1), BourbonZero_8 (L3), Bovely_10 (BD1), Bowden_11 (BD2), Brataylor_11 (BD1), BroPlease_11 (BD4), BryanRecycles_11 (BD1), Caelum_11 (BD2), Caliburn_10 (BD1), Cappuccino_7 (AZ5), Caron_6 (EH), Cassia_7 (AZ1), Celery_12 (BD3), Celeste_10 (BD1), Celia_10 (BD6), Cen1621_6 (EH), Chucky_10 (BD1), Clautastrophe_9 (L3), Community_8 (AZ1), Conan_11 (BD3), Crewmate_8 (AZ1), Cyan_7 (AZ1), Danzina_11 (BD1), Dattran_11 (BD1), Dexers_9 (BD3), Diane_10 (BD2), Donkey_7 (AZ5), DrManhattan_7 (AZ1), DrSierra_7 (AZ1), DuncansLeg_9 (L3), Dwayne_10 (BD1), DyoEdafos_9 (L4), ELB20_09 (BD2), Eddasa_11 (BD1), Ejemplo_10 (BD1), ElGato_11 (BD3), Elezi_7 (AZ1), Ellson_9 (L3), Emaanora_12 (BD1), EmiRose_6 (singleton), Emotion_6 (AZ4), EnochSoames_11 (BD1), Eraser_7 (AZ1), Esperer_10 (BD1), Exile_7 (AZ6), Finnry_9 (L3), FiveHead_6 (AZ4), Flutur_7 (AZ), Footloose_6 (singleton), Gambol_7 (AZ5), Giorgio_7 (AZ5), GirlDinner_10 (BD2), Goby_10 (BD1), Godpower_11 (BD1), GreenWeasel_12 (BD4), Gumpizza_7 (AZ5), Haizum_10 (BD2), Halsey_7 (AZ5), Hank144_11 (BD2), Hippo_10 (BD1), Hydra_12 (BD1), IUFootball_6 (AZ2), Indigo_10 (BD1), Issmi_11 (BD2), Iter_7 (AZ1), IttyBittyPiggy_7 (AZ1), Itza_10 (BD6), Izzy_11 (BD1), Janeemi_8 (AZ1), Janus_11 (BD2), Jash_11 (BD1), JasmineDragon_6 (AZ4), Jevington_12 (BD2), Jhitchelle_9 (BD3), Jobypre_9 (L3), Joemato_7 (AZ1), JohnDoe_7 (AZ1), JohnThicc_6 (AZ4), Jstan_7 (AZ1), Jubie_9 (L3), JuneStar_7 (AZ1), Kaine_10 (BD3), Kalimba_7 (AZ5), Katalie_11 (BD1), Kaylissa_7 (AZ1), KeAlii_7 (AZ1), Kingsolomon_9 (L3), KirDoubleO7_7 (L3), Kropertea_8 (L4), Krypton555_9 (L3), LadyAstra_6 (AZ4), Lannister_11 (BD1), Legacy_10 (BD1), Lego_7 (AZ1), Leviticus_10 (BD1), Liebe_6 (AZ2), Lika_10 (BD1), LiyuLake_9 (L3), Lizalica_7 (AZ1), Lolly9_9 (L3), London_7 (AZ1), Loofah_11 (BD2), Lorelei_10 (BD1), Lumos_9 (L3), MaGuCo_6 (AZ2), Mabodamaca_7 (EH), Maneekul_10 (BD1), Marav_13 (BD2), Maureen_6 (AZ2), Michkear_10 (AZ), MiniLon_9 (L3), MiniMac_9 (L3), MiniMommy_6 (AZ4), MissSwiss_7 (AZ1), Moostard_9 (L3), Moss_7 (AZ5), MsGreen_9 (L3), Mudpuppy_7 (AZ1), Mysterium_7 (AZ5), Nabi_10 (BD1), Nanodon_12 (BD1), Nerdos_10 (BD1), Nicholas_9 (L3), Niobe_7 (AZ1), Nishikigoi_10 (BD2), Nitro_7 (AZ1), ObiToo_7 (AZ1), Oliynyk_11 (BD1), Omar_11 (BD2), Origami_6 (AZ4), Ozzie_10 (BD1), OzzyJ_11 (BD1), Pablito_10 (BD2), Paedore_10 (BD2), PandaPo_7 (AZ1), Paolo_12 (BD2), Pavo_11 (BD3), Phettuccine_10 (BD1), Phives_8 (AZ1), Pixelle_7 (AZ1), Ponzi_46 (singleton), Powerpuff_7 (AZ1), Provolone_11 (BD3), Puginator_12 (BD2), Pumpkins_7 (AZ1), R4_10 (BD2), Rana_10 (BD1), Red305_9 (L3), RedBear_12

(BD1), Reedo_7 (AZ1), RockScotty_7 (AZ5), RunningOnE_64 (JN), Rusticus_11 (BD1), Sabourin_7 (AZ5), Saftant_10 (BD3), Samty_9 (L3), SarahRose_10 (BD1), Schaffner_7 (AZ1), ShakeItOph_6 (AZ4), Simpson_7 (AZ1), Skelbel_7 (AZ1), Snek_7 (AZ3), Snenia_9 (L3), Snorlax_10 (BD1), Soondubu_7 (AZ6), Sooty_7 (AZ5), South40_11 (BD1), SpecialK_7 (AZ5), Speedwell_15 (BD3), SqueakyClean_11 (BD2), Stuu_7 (AZ5), SuMoo_6 (EH), Subaru_7 (AZ1), Sudan_10 (BD3), Sue2_7 (AZ1), Sujidade_11 (BD1), SunkenRoot_10 (BD3), SunsetPointe_10 (BD1), Superstar_12 (BD2), TagePhighter_11 (BD1), Tallboi_7 (AZ1), Tbone_7 (AZ1), Tefunt_10 (BD2), TforTroy_7 (AZ1), Thestral_11 (BD2), ThursdayNight_6 (AZ), Tian_7 (AZ1), TinaBelcher_10 (BD2), Toma_10 (BD1), TriFive_9 (L3), Triste_10 (BD1), Triumph_12 (BD2), TrvxScott_9 (BD2), TuanPN_10 (BD1), Tuck_8 (AZ1), Turab_7 (AZ1), Tutumahutu_7 (AZ1), Tweety19_7 (AZ3), Unstoppable_10 (BD1), Urza_10 (BD6), UtzChips_6 (EH), VResidence_7 (AZ1), Verabelle_11 (BD3), Verse_10 (BD3), VieEnRose_10 (BD6), VroomVroom_6 (AZ4), Warda_7 (AZ1), Werner_10 (BD1), Whatever_10 (BD1), Whirlwind_10 (L3), Wildwest_8 (AZ1), Yang_7 (AZ1), Yasdnil_10 (BD1), YesChef_7 (AZ1), Yosif_11 (BD3), Zainub_12 (BD2), ZamZam_10 (BD3), Zemlya_11 (BD1), phiHau3_12 (BD4),

Start 9:
• Found in 131 of 388 (33.8%) of genes in pham
• Manual Annotations of this start: 108 of 340
• Called 99.2% of time when present
• Phage (with cluster) where this start called: Acquire49_8 (L1), Aegeus_8 (L5), Aleemily_7 (DZ), Appletree2_8 (L1), Archie_8 (L2), Attoomi_7 (singleton), Auspice_18 (M1), AvadaKedavra_8 (L1), Aziz_22 (M2), Azrael100_29 (V), Baoshan_7 (L2), Baudelaire_8 (L5), Bazzle_8 (L2), BigCheese_8 (L2), BobsGarage_8 (L2), Bongo_18 (M1), BrainDrainer_9 (L4), Breezona_8 (L2), Bricole_18 (M1), Bromden_8 (L4), Cafasso_7 (DZ), Calm_8 (L1), Chaser_8 (L4), ChengKai98_8 (L2), ChutneyChips_8 (L4), CicholasNage_8 (L1), Claus_8 (L2), Colossa_8 (KA), Cosmo_30 (V), Crossroads_8 (L2), DHan_8 (L2), Diminimus_19 (M1), DirkDirk_8 (L1), Douge_8 (L4), Douzhi_8 (L4), DrSeegs_8 (L2), Dulcita_19 (M1), Enceladus_8 (L1), EniyanLRS_27 (V), Estes_23 (M2), Faith1_8 (L2), FarmResident_8 (L4), Finemlucis_8 (L2), FreakyGoo_19 (M1), Gabriela_8 (L2), Galactica_7 (BQ), Gardann_8 (L2), GardenSalsa_22 (M2), GenevaB15_22 (M2), Glaske16_19 (M1), GuuelaD_8 (L2), Hafay_8 (L2), Halena_8 (L1), Hiraya_8 (L2), Hiyaa_7 (BQ), IPhane7_18 (M1), Itos_8 (L2), Izel_19 (M1), JoeDirt_8 (L1), Kahlid_8 (L2), Keanu_7 (BQ), KleverKiS_18 (M1), Kokushibo_7 (BQ), Kudefre_16 (DU1), Kumao_17 (singleton), LeBron_8 (L1), Lewan_8 (L2), LilDestine_8 (L2), LilJank_16 (DU2), LilhomieP_17 (M1), Loadrie_8 (L2), Lynnae_8 (L2), MAckerman_8 (L1), MaryV_30 (V), MicyPS_6 (EQ), Miley16_8 (L2), MkaliMitinis3_8 (L2), ModicumRichard_7 (DZ), Molivier_8 (L2), Morgana_7 (DZ), MrMagoo_22 (M2), Nanosmite_22 (M3), Netyap_8 (L2), Neville_16 (DU2), Nicholasp3_8 (L2), ObLaDi_7 (DZ), Octobien14_17 (DU1), OhShagHennessy_8 (L1), OverPar_8 (L2), PSonyx_6 (EQ), PYPDinur_8 (L4), PegLeg_18 (M1), Poochiewood_8 (L1), Quby_8 (L4), Rabbitrun_18 (DU2), Reindeer_16 (M1), Rey_22 (M2), Rose5_8 (L1), RoseMarie_18 (M1), Rossetti_8 (L2), Rumpelstiltskin_8 (L2), Sarshaun_8 (L2), Sephiroth_17 (DU1), Sheng711_8 (L4), Silverleaf_8 (L1), Skinny_19 (M1), SlimJimmy_17 (M1), SoJulia_8 (L2), Soap141_8 (L2), Spocter_7 (BQ), Syleon_17 (DU1), Taotie_6 (EQ), Tourach_8 (L2), TpudiCK_19 (M1), Trax_16 (DU2), TyDawg_18 (M1), Tyson_8 (L1), UPIE_8 (L1), Underpass_8 (L2), VanLee_8 (KA), Vetrix_8 (L2), Wamburgrxpress_8 (L1), Wigglewiggle_8 (L2), Wildcat_30 (V), Wilder_8 (L2), Winky_8 (L2), Wyatt2_8 (L1), Zakai_8 (L2), Zaria_8 (L1), ZhongYanYuan_7 (L2),

Start 11:
• Found in 64 of 388 (16.5%) of genes in pham
• No Manual Annotations of this start.
• Called 1.6% of time when present
• Phage (with cluster) where this start called: DanBing_7 (L2),

Start 18:
• Found in 95 of 388 (24.5%) of genes in pham
• No Manual Annotations of this start.
• Called 1.1% of time when present
• Phage (with cluster) where this start called: phiCAM_11 (BD3),

Summary by clusters:

There are 31 clusters represented in this pham: singleton, L1, JN, M1, BQ, M3, M2, BD4, BD6, BD1, BD3, BD2, DU1, DZ, EH, L4, L5, L2, L3, V, AZ, EQ, DU2, KA, AZ1, AZ2, AZ3, AZ4, AZ5, AZ6, AZ7,

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

Info for manual annotations of cluster AZ1:
•Start number 8 was manually annotated 49 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 8 was manually annotated 4 times for cluster AZ2.

Info for manual annotations of cluster AZ3:
•Start number 8 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:
•Start number 8 was manually annotated 8 times for cluster AZ4.

Info for manual annotations of cluster AZ5:
•Start number 8 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster AZ6:
•Start number 8 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster BD1:
•Start number 8 was manually annotated 55 times for cluster BD1.

Info for manual annotations of cluster BD2:
•Start number 6 was manually annotated 1 time for cluster BD2.
•Start number 8 was manually annotated 32 times for cluster BD2.

Info for manual annotations of cluster BD3:
•Start number 8 was manually annotated 16 times for cluster BD3.

Info for manual annotations of cluster BD4:
•Start number 8 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:
•Start number 8 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster BQ:
•Start number 9 was manually annotated 5 times for cluster BQ.

Info for manual annotations of cluster DU1:
•Start number 9 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 9 was manually annotated 4 times for cluster DU2.

Info for manual annotations of cluster DZ:
•Start number 9 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster EH:
•Start number 2 was manually annotated 1 time for cluster EH.
•Start number 5 was manually annotated 7 times for cluster EH.
•Start number 7 was manually annotated 1 time for cluster EH.
•Start number 8 was manually annotated 6 times for cluster EH.

Info for manual annotations of cluster EQ:
•Start number 9 was manually annotated 2 times for cluster EQ.

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

Info for manual annotations of cluster KA:
•Start number 9 was manually annotated 2 times for cluster KA.

Info for manual annotations of cluster L1:
•Start number 9 was manually annotated 19 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 9 was manually annotated 32 times for cluster L2.

Info for manual annotations of cluster L3:
•Start number 8 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 8 was manually annotated 2 times for cluster L4.
•Start number 9 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:
•Start number 9 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:
•Start number 9 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 9 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

•Start number 9 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster V:
•Start number 9 was manually annotated 5 times for cluster V.

Gene Information:

Gene: AEgle_7 Start: 6836, Stop: 7783, Start Num: 8
Candidate Starts for AEgle_7:
(Start: 8 @6836 has 222 MA's), (17, 6881), (18, 6887), (32, 6980), (38, 7028), (46, 7070), (66, 7169), (71, 7187), (94, 7271), (105, 7316), (125, 7436), (134, 7478), (139, 7496), (165, 7619), (168, 7631), (172, 7643), (173, 7646), (179, 7673), (195, 7721), (209, 7754),

Gene: AGrandiflora_7 Start: 6817, Stop: 7764, Start Num: 8
Candidate Starts for AGrandiflora_7:
(Start: 8 @6817 has 222 MA's), (18, 6868), (25, 6901), (46, 7051), (63, 7141), (71, 7168), (105, 7297), (109, 7318), (125, 7417), (126, 7426), (139, 7477), (158, 7555), (165, 7600), (166, 7603), (172, 7624), (179, 7654), (200, 7711), (209, 7735),

Gene: Aaronocolus_10 Start: 7251, Stop: 8324, Start Num: 8
Candidate Starts for Aaronocolus_10:
(Start: 8 @7251 has 222 MA's), (64, 7602), (88, 7698), (101, 7743), (104, 7758), (132, 7926), (154, 8010), (160, 8040), (172, 8094), (190, 8154), (224, 8292),

Gene: AceofSpades_6 Start: 5167, Stop: 6108, Start Num: 8
Candidate Starts for AceofSpades_6:
(Start: 8 @5167 has 222 MA's), (18, 5218), (38, 5359), (46, 5401), (58, 5458), (63, 5491), (70, 5515), (71, 5518), (105, 5647), (109, 5668), (126, 5776), (134, 5809), (148, 5860), (152, 5875), (165, 5947), (172, 5971), (177, 5992), (195, 6049), (209, 6082),

Gene: Acquire49_8 Start: 6084, Stop: 7235, Start Num: 9
Candidate Starts for Acquire49_8:
(Start: 9 @6084 has 108 MA's), (11, 6099), (17, 6129), (25, 6168), (31, 6222), (32, 6228), (47, 6318), (59, 6375), (63, 6402), (65, 6408), (105, 6558), (111, 6585), (127, 6702), (140, 6747), (160, 6837), (167, 6876), (173, 6894), (174, 6900), (179, 6921), (208, 6990), (229, 7131), (234, 7176),

Gene: Adolin_7 Start: 6839, Stop: 7780, Start Num: 8
Candidate Starts for Adolin_7:
(Start: 8 @6839 has 222 MA's), (18, 6890), (31, 6977), (33, 6989), (41, 7043), (53, 7106), (58, 7127), (70, 7184), (94, 7271), (110, 7340), (139, 7496), (165, 7616), (172, 7640), (173, 7643), (177, 7661), (179, 7670), (185, 7685), (209, 7751),

Gene: Adumb2043_7 Start: 6835, Stop: 7782, Start Num: 8
Candidate Starts for Adumb2043_7:
(Start: 8 @6835 has 222 MA's), (17, 6880), (18, 6886), (32, 6979), (38, 7027), (46, 7069), (66, 7168), (71, 7186), (74, 7207), (80, 7228), (105, 7315), (125, 7435), (134, 7477), (158, 7573), (165, 7618), (168, 7630), (172, 7642), (173, 7645), (179, 7672), (195, 7720), (209, 7753),

Gene: Aegeus_8 Start: 5659, Stop: 6843, Start Num: 9
Candidate Starts for Aegeus_8:

(Start: 9 @5659 has 108 MA's), (19, 5713), (25, 5743), (27, 5758), (34, 5815), (41, 5866), (42, 5869), (47, 5899), (53, 5929), (55, 5935), (58, 5950), (59, 5956), (77, 6040), (102, 6124), (109, 6160), (114, 6190), (126, 6274), (128, 6289), (129, 6292), (134, 6307), (163, 6439), (167, 6463), (172, 6478), (178, 6505), (180, 6511), (190, 6532), (193, 6541), (196, 6547), (199, 6553), (207, 6574), (211, 6595), (217, 6625), (219, 6631), (220, 6637), (221, 6661), (225, 6682), (227, 6709), (229, 6742), (231, 6769), (236, 6811), (238, 6829), (240, 6835),

Gene: AinMach_7 Start: 6051, Stop: 6995, Start Num: 8
Candidate Starts for AinMach_7:
(Start: 8 @6051 has 222 MA's), (16, 6090), (18, 6102), (31, 6189), (58, 6342), (67, 6390), (87, 6462), (111, 6558), (134, 6693), (139, 6711), (150, 6756), (172, 6855), (177, 6876), (179, 6885), (185, 6900), (209, 6966),

Gene: Aleemily_7 Start: 5963, Stop: 6880, Start Num: 9
Candidate Starts for Aleemily_7:
(Start: 9 @5963 has 108 MA's), (22, 6035), (35, 6122), (105, 6440), (130, 6593), (134, 6605), (146, 6653), (163, 6731), (169, 6761), (184, 6812),

Gene: Alsaber_11 Start: 7357, Stop: 8385, Start Num: 8
Candidate Starts for Alsaber_11:
(Start: 8 @7357 has 222 MA's), (18, 7411), (30, 7492), (129, 7990), (154, 8083), (167, 8155), (173, 8173), (179, 8200), (216, 8317), (223, 8365),

Gene: Alvy_12 Start: 7187, Stop: 8245, Start Num: 8
Candidate Starts for Alvy_12:
(Start: 8 @7187 has 222 MA's), (64, 7517), (83, 7595), (103, 7661), (173, 8015),

Gene: Amela_10 Start: 7412, Stop: 8494, Start Num: 8
Candidate Starts for Amela_10:
(Start: 8 @7412 has 222 MA's), (18, 7469), (129, 8072), (167, 8237), (173, 8255), (179, 8282), (182, 8291),

Gene: Amethyst_10 Start: 7012, Stop: 8058, Start Num: 8
Candidate Starts for Amethyst_10:
(Start: 8 @7012 has 222 MA's), (22, 7087), (59, 7309), (101, 7477), (104, 7492), (154, 7744), (160, 7774), (172, 7828),

Gene: Amploria_7 Start: 6835, Stop: 7782, Start Num: 8
Candidate Starts for Amploria_7:
(Start: 8 @6835 has 222 MA's), (17, 6880), (18, 6886), (32, 6979), (38, 7027), (46, 7069), (66, 7168), (71, 7186), (74, 7207), (80, 7228), (105, 7315), (125, 7435), (134, 7477), (158, 7573), (165, 7618), (168, 7630), (172, 7642), (179, 7672), (195, 7720), (209, 7753),

Gene: Amyev_7 Start: 6849, Stop: 7799, Start Num: 8
Candidate Starts for Amyev_7:
(Start: 8 @6849 has 222 MA's), (18, 6900), (38, 7041), (46, 7083), (71, 7200), (105, 7329), (111, 7356), (125, 7449), (158, 7587), (165, 7632), (168, 7644), (172, 7656), (179, 7686), (185, 7701), (200, 7743), (209, 7767),

Gene: Andris_10 Start: 7074, Stop: 8120, Start Num: 8
Candidate Starts for Andris_10:
(Start: 8 @7074 has 222 MA's), (22, 7149), (55, 7350), (59, 7371), (64, 7398), (101, 7539), (104, 7554), (154, 7806), (160, 7836), (172, 7890), (198, 7968), (206, 7989),

Gene: Animus_11 Start: 7423, Stop: 8469, Start Num: 8
Candidate Starts for Animus_11:
(Start: 8 @7423 has 222 MA's), (59, 7720), (64, 7747), (101, 7888), (104, 7903), (129, 8062), (154, 8155), (172, 8239), (215, 8377),

Gene: Appletree2_8 Start: 6058, Stop: 7209, Start Num: 9
Candidate Starts for Appletree2_8:
(Start: 9 @6058 has 108 MA's), (11, 6073), (17, 6103), (25, 6142), (31, 6196), (32, 6202), (47, 6292), (59, 6349), (63, 6376), (65, 6382), (105, 6532), (111, 6559), (127, 6676), (140, 6721), (152, 6766), (160, 6811), (167, 6850), (173, 6868), (174, 6874), (179, 6895), (208, 6964), (229, 7105), (234, 7150),

Gene: Archie_8 Start: 6044, Stop: 7192, Start Num: 9
Candidate Starts for Archie_8:
(Start: 9 @6044 has 108 MA's), (11, 6059), (25, 6128), (31, 6182), (47, 6278), (59, 6335), (63, 6362), (65, 6368), (103, 6503), (105, 6518), (110, 6542), (113, 6557), (125, 6644), (127, 6662), (128, 6668), (152, 6752), (160, 6797), (174, 6860), (179, 6881), (190, 6905), (193, 6914), (208, 6950), (229, 7091), (230, 7100), (231, 7118),

Gene: Asa16_7 Start: 6808, Stop: 7752, Start Num: 8
Candidate Starts for Asa16_7:
(Start: 8 @6808 has 222 MA's), (18, 6859), (31, 6946), (32, 6952), (38, 7000), (41, 7015), (46, 7042), (94, 7243), (125, 7408), (139, 7468), (158, 7546), (165, 7591), (168, 7603), (172, 7615), (173, 7618), (179, 7645), (195, 7693), (200, 7702), (209, 7726),

Gene: Ascela_7 Start: 6834, Stop: 7778, Start Num: 8
Candidate Starts for Ascela_7:
(Start: 8 @6834 has 222 MA's), (18, 6885), (31, 6972), (38, 7026), (46, 7068), (71, 7185), (72, 7194), (94, 7269), (125, 7434), (134, 7476), (139, 7494), (158, 7572), (165, 7617), (168, 7629), (172, 7641), (179, 7671), (195, 7719), (209, 7752),

Gene: Ashes_7 Start: 6333, Stop: 7259, Start Num: 8
Candidate Starts for Ashes_7:
(Start: 8 @6333 has 222 MA's), (33, 6483), (37, 6498), (47, 6570), (71, 6681), (94, 6765), (101, 6792), (110, 6834), (129, 6957), (139, 6990), (148, 7023), (173, 7140), (179, 7167), (200, 7212), (209, 7236),

Gene: Asten_10 Start: 7217, Stop: 8287, Start Num: 8
Candidate Starts for Asten_10:
(Start: 8 @7217 has 222 MA's), (101, 7709), (108, 7745), (129, 7883), (154, 7976), (160, 8006), (172, 8060),

Gene: Attoomi_7 Start: 5662, Stop: 6576, Start Num: 9
Candidate Starts for Attoomi_7:
(Start: 9 @5662 has 108 MA's), (20, 5728), (25, 5746), (30, 5794), (41, 5866), (72, 6019), (74, 6031), (77, 6040), (87, 6073), (98, 6109), (111, 6169), (113, 6181), (119, 6220), (125, 6262), (129, 6289), (161, 6421), (174, 6478), (179, 6499), (184, 6511),

Gene: Auspice_18 Start: 9854, Stop: 11017, Start Num: 9
Candidate Starts for Auspice_18:
(Start: 9 @9854 has 108 MA's), (25, 9938), (40, 10058), (41, 10061), (60, 10157), (63, 10178), (74, 10226), (89, 10271), (98, 10301), (105, 10334), (113, 10373), (128, 10484), (129, 10487), (131, 10493), (144, 10547), (151, 10574), (156, 10601), (160, 10619), (173, 10676), (177, 10694), (183, 10715), (191, 10748), (224, 10877), (229, 10931), (232, 10970),

Gene: AvadaKedavra_8 Start: 6084, Stop: 7235, Start Num: 9
Candidate Starts for AvadaKedavra_8:
(Start: 9 @6084 has 108 MA's), (11, 6099), (17, 6129), (25, 6168), (31, 6222), (32, 6228), (47, 6318), (59, 6375), (63, 6402), (65, 6408), (105, 6558), (111, 6585), (127, 6702), (140, 6747), (160, 6837), (167, 6876), (173, 6894), (174, 6900), (179, 6921), (208, 6990), (229, 7131), (234, 7176),

Gene: Axiom_11 Start: 7081, Stop: 8154, Start Num: 8
Candidate Starts for Axiom_11:
(Start: 8 @7081 has 222 MA's), (64, 7432), (160, 7870), (173, 7927), (186, 7969), (188, 7975), (206, 8023),

Gene: Aziz_22 Start: 10415, Stop: 11581, Start Num: 9
Candidate Starts for Aziz_22:
(Start: 9 @10415 has 108 MA's), (25, 10499), (28, 10523), (33, 10565), (40, 10619), (50, 10670), (60, 10718), (67, 10754), (70, 10763), (74, 10787), (86, 10823), (97, 10859), (108, 10913), (118, 10967), (128, 11045), (129, 11048), (144, 11108), (151, 11135), (156, 11162), (160, 11180), (173, 11237), (177, 11255), (183, 11276), (191, 11309), (224, 11444), (226, 11474), (228, 11495), (230, 11507),

Gene: Azrael100_29 Start: 12971, Stop: 14149, Start Num: 9
Candidate Starts for Azrael100_29:
(Start: 9 @12971 has 108 MA's), (13, 13001), (18, 13022), (25, 13055), (31, 13109), (32, 13115), (50, 13226), (54, 13244), (58, 13262), (70, 13319), (77, 13352), (111, 13484), (113, 13496), (115, 13511), (122, 13559), (133, 13622), (144, 13670), (151, 13697), (161, 13745), (164, 13757), (179, 13823), (218, 13952), (219, 13958), (221, 13988), (233, 14096), (239, 14144),

Gene: Baoshan_7 Start: 5899, Stop: 7047, Start Num: 9
Candidate Starts for Baoshan_7:
(Start: 9 @5899 has 108 MA's), (11, 5914), (17, 5944), (25, 5983), (31, 6037), (47, 6133), (63, 6217), (103, 6358), (105, 6373), (110, 6397), (113, 6412), (125, 6499), (127, 6517), (128, 6523), (152, 6607), (160, 6652), (174, 6715), (179, 6736), (193, 6769), (208, 6805), (229, 6946), (231, 6973),

Gene: Barnstormer_6 Start: 6067, Stop: 7035, Start Num: 8
Candidate Starts for Barnstormer_6:
(Start: 8 @6067 has 222 MA's), (13, 6100), (51, 6328), (63, 6397), (94, 6514), (105, 6559), (138, 6736), (142, 6760), (161, 6838), (163, 6847), (173, 6889), (210, 7006),

Gene: BarryBee_12 Start: 7220, Stop: 8293, Start Num: 8
Candidate Starts for BarryBee_12:
(Start: 8 @7220 has 222 MA's), (101, 7712), (104, 7727), (152, 7967), (154, 7979), (160, 8009), (172, 8063), (215, 8201),

Gene: BartholomewSD_12 Start: 7187, Stop: 8245, Start Num: 8
Candidate Starts for BartholomewSD_12:
(Start: 8 @7187 has 222 MA's), (64, 7517), (83, 7595), (103, 7661), (173, 8015),

Gene: Baudelaire_8 Start: 5659, Stop: 6843, Start Num: 9
Candidate Starts for Baudelaire_8:
(Start: 9 @5659 has 108 MA's), (19, 5713), (25, 5743), (27, 5758), (34, 5815), (41, 5866), (42, 5869), (47, 5899), (53, 5929), (55, 5935), (58, 5950), (59, 5956), (77, 6040), (102, 6124), (109, 6160), (114, 6190), (126, 6274), (128, 6289), (129, 6292), (134, 6307), (163, 6439), (167, 6463), (172, 6478), (178, 6505), (180, 6511), (190, 6532), (193, 6541), (196, 6547), (199, 6553), (207, 6574), (211, 6595), (217, 6625), (219, 6631), (220, 6637), (221, 6661), (225, 6682), (227, 6709), (229, 6742), (231, 6769), (236,

6811), (238, 6829), (240, 6835),

Gene: Bazzle_8 Start: 6020, Stop: 7168, Start Num: 9
Candidate Starts for Bazzle_8:
(Start: 9 @6020 has 108 MA's), (11, 6035), (25, 6104), (31, 6158), (47, 6254), (63, 6338), (94, 6449), (103, 6479), (105, 6494), (110, 6518), (113, 6533), (125, 6620), (127, 6638), (128, 6644), (152, 6728), (160, 6773), (174, 6836), (179, 6857), (193, 6890), (208, 6926), (220, 6977), (229, 7067), (231, 7094),

Gene: BeardedLady_11 Start: 7498, Stop: 8571, Start Num: 8
Candidate Starts for BeardedLady_11:
(Start: 8 @7498 has 222 MA's), (64, 7849), (88, 7945), (101, 7990), (104, 8005), (132, 8173), (154, 8257), (160, 8287), (172, 8341), (190, 8401), (224, 8539),

Gene: Beaupre_7 Start: 6334, Stop: 7260, Start Num: 8
Candidate Starts for Beaupre_7:
(Start: 8 @6334 has 222 MA's), (33, 6484), (37, 6499), (47, 6571), (71, 6682), (94, 6766), (101, 6793), (110, 6835), (129, 6958), (139, 6991), (148, 7024), (173, 7141), (179, 7168), (200, 7213), (209, 7237),

Gene: Bellis_9 Start: 6196, Stop: 7356, Start Num: 8
Candidate Starts for Bellis_9:
(Start: 8 @6196 has 222 MA's), (21, 6274), (25, 6289), (31, 6343), (32, 6349), (41, 6406), (47, 6439), (59, 6496), (65, 6529), (67, 6538), (103, 6664), (127, 6823), (152, 6913), (174, 7021), (179, 7042), (190, 7066), (227, 7234), (229, 7255), (234, 7300),

Gene: Berrie_7 Start: 6813, Stop: 7757, Start Num: 8
Candidate Starts for Berrie_7:
(Start: 8 @6813 has 222 MA's), (18, 6864), (31, 6951), (46, 7047), (71, 7164), (94, 7248), (105, 7293), (109, 7314), (125, 7413), (134, 7455), (158, 7551), (165, 7596), (166, 7599), (172, 7620), (179, 7650), (195, 7698), (209, 7731),

Gene: BigCheese_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for BigCheese_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: BobsGarage_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for BobsGarage_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: Bongo_18 Start: 9854, Stop: 11017, Start Num: 9
Candidate Starts for Bongo_18:
(Start: 9 @9854 has 108 MA's), (25, 9938), (40, 10058), (41, 10061), (60, 10157), (63, 10178), (74, 10226), (89, 10271), (98, 10301), (105, 10334), (113, 10373), (128, 10484), (129, 10487), (131, 10493), (144, 10547), (151, 10574), (156, 10601), (160, 10619), (173, 10676), (177, 10694), (183, 10715), (191, 10748), (224, 10877), (229, 10931), (232, 10970),

Gene: BourbonZero_8 Start: 6202, Stop: 7362, Start Num: 8
Candidate Starts for BourbonZero_8:
(Start: 8 @6202 has 222 MA's), (21, 6280), (25, 6295), (31, 6349), (32, 6355), (40, 6409), (47, 6445), (59, 6502), (65, 6535), (67, 6544), (103, 6670), (127, 6829), (152, 6919), (174, 7027), (179, 7048),

(231, 7288), (234, 7306),

Gene: Bovely_10 Start: 7257, Stop: 8330, Start Num: 8
Candidate Starts for Bovely_10:
(Start: 8 @7257 has 222 MA's), (64, 7608), (88, 7704), (101, 7749), (104, 7764), (132, 7932), (154, 8016), (160, 8046), (172, 8100), (190, 8160), (224, 8298),

Gene: Bowden_11 Start: 7101, Stop: 8159, Start Num: 8
Candidate Starts for Bowden_11:
(Start: 8 @7101 has 222 MA's), (64, 7431), (83, 7509), (103, 7575), (154, 7839), (173, 7929),

Gene: BrainDrainer_9 Start: 5889, Stop: 7037, Start Num: 9
Candidate Starts for BrainDrainer_9:
(Start: 9 @5889 has 108 MA's), (25, 5973), (31, 6027), (32, 6033), (40, 6087), (47, 6123), (51, 6141), (59, 6180), (65, 6213), (103, 6348), (105, 6363), (109, 6384), (111, 6390), (127, 6507), (128, 6513), (152, 6597), (160, 6642), (163, 6657), (167, 6681), (173, 6699), (174, 6705), (178, 6723), (179, 6726), (196, 6765), (199, 6771), (208, 6795), (221, 6870), (229, 6936), (237, 7017),

Gene: Brataylor_11 Start: 7223, Stop: 8296, Start Num: 8
Candidate Starts for Brataylor_11:
(Start: 8 @7223 has 222 MA's), (101, 7715), (104, 7730), (154, 7982), (160, 8012), (172, 8066), (190, 8126), (215, 8204),

Gene: Breezona_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Breezona_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: Bricole_18 Start: 9853, Stop: 11016, Start Num: 9
Candidate Starts for Bricole_18:
(Start: 9 @9853 has 108 MA's), (25, 9937), (40, 10057), (41, 10060), (60, 10156), (63, 10177), (74, 10225), (89, 10270), (98, 10300), (105, 10333), (113, 10372), (128, 10483), (129, 10486), (131, 10492), (144, 10546), (151, 10573), (156, 10600), (160, 10618), (173, 10675), (177, 10693), (183, 10714), (191, 10747), (224, 10876), (229, 10930), (232, 10969),

Gene: BroPlease_11 Start: 7315, Stop: 8370, Start Num: 8
Candidate Starts for BroPlease_11:
(Start: 8 @7315 has 222 MA's), (64, 7645), (70, 7666), (101, 7786), (105, 7804), (141, 7999), (160, 8086), (168, 8128), (173, 8143),

Gene: Bromden_8 Start: 5799, Stop: 6947, Start Num: 9
Candidate Starts for Bromden_8:
(Start: 9 @5799 has 108 MA's), (25, 5883), (31, 5937), (32, 5943), (40, 5997), (47, 6033), (51, 6051), (59, 6090), (65, 6123), (77, 6174), (94, 6228), (103, 6258), (105, 6273), (111, 6300), (113, 6312), (125, 6399), (127, 6417), (128, 6423), (152, 6507), (160, 6552), (163, 6567), (167, 6591), (173, 6609), (174, 6615), (179, 6636), (190, 6660), (196, 6675), (208, 6705), (221, 6780), (225, 6801), (229, 6846), (237, 6927),

Gene: BryanRecycles_11 Start: 7414, Stop: 8487, Start Num: 8
Candidate Starts for BryanRecycles_11:
(Start: 8 @7414 has 222 MA's), (64, 7765), (88, 7861), (101, 7906), (104, 7921), (132, 8089), (154, 8173), (160, 8203), (172, 8257), (190, 8317),

Gene: Caelum_11 Start: 6956, Stop: 8014, Start Num: 8
Candidate Starts for Caelum_11:
(Start: 8 @6956 has 222 MA's), (46, 7196), (51, 7220), (59, 7259), (64, 7286), (101, 7427), (120, 7532), (139, 7634), (141, 7640), (160, 7727), (168, 7769), (179, 7811), (215, 7922), (225, 7991),

Gene: Cafasso_7 Start: 5963, Stop: 6880, Start Num: 9
Candidate Starts for Cafasso_7:
(Start: 9 @5963 has 108 MA's), (22, 6035), (35, 6122), (105, 6440), (130, 6593), (134, 6605), (146, 6653), (163, 6731), (169, 6761), (184, 6812),

Gene: Caliburn_10 Start: 7231, Stop: 8304, Start Num: 8
Candidate Starts for Caliburn_10:
(Start: 8 @7231 has 222 MA's), (64, 7582), (88, 7678), (101, 7723), (104, 7738), (132, 7906), (154, 7990), (160, 8020), (172, 8074), (190, 8134), (224, 8272),

Gene: Calm_8 Start: 6085, Stop: 7236, Start Num: 9
Candidate Starts for Calm_8:
(Start: 9 @6085 has 108 MA's), (11, 6100), (17, 6130), (25, 6169), (31, 6223), (32, 6229), (47, 6319), (59, 6376), (63, 6403), (65, 6409), (105, 6559), (111, 6586), (127, 6703), (140, 6748), (160, 6838), (167, 6877), (173, 6895), (174, 6901), (179, 6922), (208, 6991), (229, 7132), (234, 7177),

Gene: Cappuccino_7 Start: 6242, Stop: 7168, Start Num: 8
Candidate Starts for Cappuccino_7:
(Start: 8 @6242 has 222 MA's), (33, 6392), (37, 6407), (47, 6479), (71, 6590), (94, 6674), (101, 6701), (110, 6743), (126, 6848), (129, 6866), (139, 6899), (148, 6932), (173, 7049), (179, 7076), (192, 7112), (209, 7145),

Gene: Caron_6 Start: 6094, Stop: 7068, Start Num: 8
Candidate Starts for Caron_6:
(Start: 8 @6094 has 222 MA's), (44, 6319), (51, 6355), (63, 6424), (111, 6613), (125, 6706), (126, 6715), (134, 6748), (138, 6763), (161, 6865), (173, 6916), (189, 6973), (210, 7033),

Gene: Cassia_7 Start: 6932, Stop: 7879, Start Num: 8
Candidate Starts for Cassia_7:
(Start: 8 @6932 has 222 MA's), (18, 6983), (31, 7070), (63, 7256), (71, 7283), (94, 7367), (110, 7436), (111, 7439), (134, 7574), (165, 7715), (166, 7718), (172, 7739), (177, 7760), (179, 7769), (197, 7820), (209, 7850),

Gene: Celery_12 Start: 7316, Stop: 8344, Start Num: 8
Candidate Starts for Celery_12:
(Start: 8 @7316 has 222 MA's), (18, 7370), (51, 7574), (129, 7949), (167, 8114), (173, 8132), (179, 8159), (198, 8207), (223, 8324),

Gene: Celeste_10 Start: 7222, Stop: 8295, Start Num: 8
Candidate Starts for Celeste_10:
(Start: 8 @7222 has 222 MA's), (101, 7714), (104, 7729), (154, 7981), (160, 8011), (172, 8065), (190, 8125), (215, 8203),

Gene: Celia_10 Start: 7515, Stop: 8588, Start Num: 8
Candidate Starts for Celia_10:
(1, 7479), (Start: 8 @7515 has 222 MA's), (21, 7593), (64, 7869), (88, 7965), (103, 8013), (111, 8055), (130, 8187), (136, 8211), (141, 8223), (160, 8310), (161, 8316), (173, 8367), (179, 8394), (206, 8463),

Gene: Cen1621_6 Start: 5215, Stop: 6177, Start Num: 8
Candidate Starts for Cen1621_6:
(Start: 8 @5215 has 222 MA's), (13, 5248), (38, 5410), (51, 5476), (63, 5545), (105, 5707), (134, 5869), (138, 5884), (140, 5890), (166, 6013), (176, 6049), (210, 6154),

Gene: Chaser_8 Start: 5804, Stop: 6952, Start Num: 9
Candidate Starts for Chaser_8:
(Start: 9 @5804 has 108 MA's), (25, 5888), (31, 5942), (32, 5948), (40, 6002), (47, 6038), (51, 6056), (59, 6095), (65, 6128), (94, 6233), (103, 6263), (105, 6278), (109, 6299), (111, 6305), (127, 6422), (128, 6428), (145, 6491), (152, 6512), (160, 6557), (163, 6572), (167, 6596), (173, 6614), (174, 6620), (179, 6641), (190, 6665), (208, 6710), (221, 6785), (229, 6851), (237, 6932),

Gene: ChengKai98_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for ChengKai98_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: Chucky_10 Start: 7221, Stop: 8294, Start Num: 8
Candidate Starts for Chucky_10:
(Start: 8 @7221 has 222 MA's), (101, 7713), (104, 7728), (152, 7968), (154, 7980), (160, 8010), (172, 8064), (215, 8202),

Gene: ChutneyChips_8 Start: 5792, Stop: 6940, Start Num: 9
Candidate Starts for ChutneyChips_8:
(Start: 9 @5792 has 108 MA's), (25, 5876), (31, 5930), (32, 5936), (40, 5990), (47, 6026), (51, 6044), (59, 6083), (65, 6116), (94, 6221), (103, 6251), (105, 6266), (109, 6287), (111, 6293), (127, 6410), (128, 6416), (152, 6500), (160, 6545), (163, 6560), (167, 6584), (173, 6602), (174, 6608), (179, 6629), (190, 6653), (196, 6668), (199, 6674), (208, 6698), (221, 6773), (229, 6839), (234, 6884), (237, 6920),

Gene: CicholasNage_8 Start: 6085, Stop: 7236, Start Num: 9
Candidate Starts for CicholasNage_8:
(Start: 9 @6085 has 108 MA's), (11, 6100), (17, 6130), (25, 6169), (31, 6223), (32, 6229), (47, 6319), (59, 6376), (63, 6403), (65, 6409), (105, 6559), (111, 6586), (127, 6703), (140, 6748), (160, 6838), (167, 6877), (173, 6895), (174, 6901), (179, 6922), (208, 6991), (229, 7132), (234, 7177),

Gene: Claus_8 Start: 6079, Stop: 7227, Start Num: 9
Candidate Starts for Claus_8:
(Start: 9 @6079 has 108 MA's), (11, 6094), (17, 6124), (25, 6163), (31, 6217), (47, 6313), (63, 6397), (103, 6538), (105, 6553), (110, 6577), (113, 6592), (125, 6679), (127, 6697), (128, 6703), (152, 6787), (160, 6832), (174, 6895), (179, 6916), (193, 6949), (208, 6985), (229, 7126), (231, 7153),

Gene: Clautastrophe_9 Start: 6200, Stop: 7360, Start Num: 8
Candidate Starts for Clautastrophe_9:
(Start: 8 @6200 has 222 MA's), (21, 6278), (25, 6293), (31, 6347), (32, 6353), (41, 6410), (47, 6443), (59, 6500), (65, 6533), (67, 6542), (94, 6638), (103, 6668), (127, 6827), (152, 6917), (174, 7025), (179, 7046), (190, 7070), (227, 7238), (229, 7259), (234, 7304),

Gene: Colossa_8 Start: 5922, Stop: 6839, Start Num: 9
Candidate Starts for Colossa_8:
(Start: 9 @5922 has 108 MA's), (12, 5949), (21, 5991), (22, 5994), (25, 6006), (31, 6060), (46, 6147), (48, 6159), (55, 6189), (64, 6240), (70, 6261), (105, 6399), (107, 6408), (124, 6510), (130, 6552), (157,

6660), (163, 6690), (169, 6720), (170, 6723), (184, 6771),

Gene: Community_8 Start: 7890, Stop: 8834, Start Num: 8
Candidate Starts for Community_8:
(Start: 8 @7890 has 222 MA's), (18, 7941), (32, 8034), (38, 8082), (46, 8124), (71, 8241), (94, 8325), (105, 8370), (110, 8394), (125, 8490), (139, 8550), (158, 8628), (165, 8673), (168, 8685), (172, 8697), (173, 8700), (179, 8727), (186, 8745), (195, 8775), (200, 8784), (209, 8808),

Gene: Conan_11 Start: 7067, Stop: 8095, Start Num: 8
Candidate Starts for Conan_11:
(Start: 8 @7067 has 222 MA's), (18, 7121), (30, 7202), (129, 7700), (154, 7793), (167, 7865), (173, 7883), (179, 7910), (216, 8027), (223, 8075),

Gene: Cosmo_30 Start: 12978, Stop: 14156, Start Num: 9
Candidate Starts for Cosmo_30:
(Start: 9 @12978 has 108 MA's), (13, 13008), (18, 13029), (25, 13062), (31, 13116), (32, 13122), (50, 13233), (54, 13251), (58, 13269), (70, 13326), (77, 13359), (111, 13491), (113, 13503), (115, 13518), (122, 13566), (133, 13629), (144, 13677), (151, 13704), (161, 13752), (164, 13764), (179, 13830), (218, 13959), (219, 13965), (221, 13995), (233, 14103), (239, 14151),

Gene: Crewmate_8 Start: 7269, Stop: 8216, Start Num: 8
Candidate Starts for Crewmate_8:
(Start: 8 @7269 has 222 MA's), (18, 7320), (32, 7413), (46, 7503), (63, 7593), (71, 7620), (72, 7629), (105, 7749), (109, 7770), (125, 7869), (134, 7911), (139, 7929), (165, 8052), (166, 8055), (172, 8076), (179, 8106), (185, 8121), (209, 8187),

Gene: Crossroads_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Crossroads_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: Cyan_7 Start: 6821, Stop: 7768, Start Num: 8
Candidate Starts for Cyan_7:
(Start: 8 @6821 has 222 MA's), (18, 6872), (25, 6905), (32, 6965), (38, 7013), (46, 7055), (71, 7172), (94, 7256), (105, 7301), (109, 7322), (125, 7421), (134, 7463), (139, 7481), (158, 7559), (165, 7604), (168, 7616), (172, 7628), (179, 7658), (185, 7673), (195, 7706), (209, 7739),

Gene: DHan_8 Start: 6015, Stop: 7163, Start Num: 9
Candidate Starts for DHan_8:
(Start: 9 @6015 has 108 MA's), (11, 6030), (17, 6060), (25, 6099), (31, 6153), (47, 6249), (63, 6333), (103, 6474), (105, 6489), (110, 6513), (113, 6528), (125, 6615), (127, 6633), (128, 6639), (152, 6723), (160, 6768), (174, 6831), (179, 6852), (193, 6885), (208, 6921), (229, 7062), (231, 7089),

Gene: DanBing_7 Start: 5913, Stop: 7046, Start Num: 11
Candidate Starts for DanBing_7:
(Start: 9 @5898 has 108 MA's), (11, 5913), (17, 5943), (25, 5982), (31, 6036), (47, 6132), (63, 6216), (94, 6327), (103, 6357), (105, 6372), (110, 6396), (113, 6411), (125, 6498), (127, 6516), (128, 6522), (152, 6606), (160, 6651), (174, 6714), (179, 6735), (193, 6768), (208, 6804), (229, 6945), (231, 6972),

Gene: Danzina_11 Start: 7420, Stop: 8499, Start Num: 8
Candidate Starts for Danzina_11:

(Start: 8 @7420 has 222 MA's), (90, 7879), (101, 7918), (108, 7954), (129, 8092), (154, 8185), (160, 8215), (166, 8248), (172, 8269), (190, 8329), (215, 8407),

Gene: Dattran_11 Start: 7221, Stop: 8294, Start Num: 8
Candidate Starts for Dattran_11:
(Start: 8 @7221 has 222 MA's), (101, 7713), (104, 7728), (154, 7980), (160, 8010), (172, 8064), (190, 8124), (215, 8202),

Gene: Daudau_10 Start: 7029, Stop: 8120, Start Num: 6
Candidate Starts for Daudau_10:
(Start: 6 @7029 has 1 MA's), (47, 7299), (53, 7329), (64, 7383), (92, 7512), (104, 7566), (154, 7818), (161, 7854), (201, 7986), (206, 8001),

Gene: Dexers_9 Start: 7060, Stop: 8088, Start Num: 8
Candidate Starts for Dexers_9:
(Start: 8 @7060 has 222 MA's), (18, 7114), (30, 7195), (129, 7693), (154, 7786), (167, 7858), (173, 7876), (179, 7903), (216, 8020), (223, 8068),

Gene: Diane_10 Start: 7012, Stop: 8058, Start Num: 8
Candidate Starts for Diane_10:
(Start: 8 @7012 has 222 MA's), (22, 7087), (59, 7309), (78, 7393), (101, 7477), (104, 7492), (154, 7744), (160, 7774), (172, 7828),

Gene: Diminimus_19 Start: 9853, Stop: 11016, Start Num: 9
Candidate Starts for Diminimus_19:
(Start: 9 @9853 has 108 MA's), (25, 9937), (40, 10057), (41, 10060), (60, 10156), (63, 10177), (74, 10225), (89, 10270), (98, 10300), (105, 10333), (113, 10372), (128, 10483), (129, 10486), (131, 10492), (144, 10546), (151, 10573), (156, 10600), (160, 10618), (173, 10675), (177, 10693), (183, 10714), (191, 10747), (224, 10876), (229, 10930), (232, 10969),

Gene: DirkDirk_8 Start: 6086, Stop: 7237, Start Num: 9
Candidate Starts for DirkDirk_8:
(Start: 9 @6086 has 108 MA's), (11, 6101), (17, 6131), (25, 6170), (31, 6224), (32, 6230), (47, 6320), (59, 6377), (63, 6404), (65, 6410), (105, 6560), (111, 6587), (127, 6704), (140, 6749), (160, 6839), (167, 6878), (173, 6896), (174, 6902), (179, 6923), (208, 6992), (229, 7133), (234, 7178),

Gene: Donkey_7 Start: 6242, Stop: 7168, Start Num: 8
Candidate Starts for Donkey_7:
(Start: 8 @6242 has 222 MA's), (33, 6392), (37, 6407), (47, 6479), (71, 6590), (94, 6674), (101, 6701), (110, 6743), (126, 6848), (129, 6866), (139, 6899), (148, 6932), (173, 7049), (179, 7076), (192, 7112), (209, 7145),

Gene: Douge_8 Start: 5750, Stop: 6898, Start Num: 9
Candidate Starts for Douge_8:
(Start: 9 @5750 has 108 MA's), (25, 5834), (31, 5888), (32, 5894), (40, 5948), (47, 5984), (51, 6002), (59, 6041), (65, 6074), (94, 6179), (103, 6209), (105, 6224), (109, 6245), (111, 6251), (127, 6368), (128, 6374), (152, 6458), (160, 6503), (163, 6518), (167, 6542), (173, 6560), (174, 6566), (179, 6587), (190, 6611), (208, 6656), (221, 6731), (229, 6797), (237, 6878),

Gene: Douzhi_8 Start: 5750, Stop: 6898, Start Num: 9
Candidate Starts for Douzhi_8:
(Start: 9 @5750 has 108 MA's), (25, 5834), (31, 5888), (32, 5894), (40, 5948), (47, 5984), (51, 6002), (59, 6041), (65, 6074), (103, 6209), (105, 6224), (109, 6245), (111, 6251), (127, 6368), (128, 6374),

(152, 6458), (160, 6503), (163, 6518), (167, 6542), (173, 6560), (174, 6566), (178, 6584), (179, 6587), (196, 6626), (199, 6632), (208, 6656), (221, 6731), (229, 6797), (237, 6878),

Gene: DrManhattan_7 Start: 6829, Stop: 7770, Start Num: 8
Candidate Starts for DrManhattan_7:
(Start: 8 @6829 has 222 MA's), (18, 6880), (31, 6967), (33, 6979), (41, 7033), (53, 7096), (58, 7117), (70, 7174), (94, 7261), (110, 7330), (139, 7486), (165, 7606), (172, 7630), (173, 7633), (177, 7651), (179, 7660), (185, 7675), (209, 7741),

Gene: DrSeegs_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for DrSeegs_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: DrSierra_7 Start: 6821, Stop: 7768, Start Num: 8
Candidate Starts for DrSierra_7:
(Start: 8 @6821 has 222 MA's), (17, 6866), (18, 6872), (41, 7028), (71, 7172), (94, 7256), (105, 7301), (109, 7322), (125, 7421), (126, 7430), (139, 7481), (165, 7604), (166, 7607), (172, 7628), (177, 7649), (179, 7658), (185, 7673), (209, 7739),

Gene: Dulcita_19 Start: 9853, Stop: 11016, Start Num: 9
Candidate Starts for Dulcita_19:
(Start: 9 @9853 has 108 MA's), (25, 9937), (40, 10057), (41, 10060), (60, 10156), (63, 10177), (74, 10225), (89, 10270), (98, 10300), (105, 10333), (113, 10372), (128, 10483), (129, 10486), (131, 10492), (144, 10546), (151, 10573), (156, 10600), (160, 10618), (173, 10675), (177, 10693), (183, 10714), (191, 10747), (224, 10876), (229, 10930), (232, 10969),

Gene: DuncansLeg_9 Start: 6204, Stop: 7364, Start Num: 8
Candidate Starts for DuncansLeg_9:
(Start: 8 @6204 has 222 MA's), (21, 6282), (25, 6297), (31, 6351), (32, 6357), (40, 6411), (47, 6447), (59, 6504), (65, 6537), (67, 6546), (103, 6672), (127, 6831), (152, 6921), (174, 7029), (179, 7050), (231, 7290), (234, 7308),

Gene: Dwayne_10 Start: 7221, Stop: 8294, Start Num: 8
Candidate Starts for Dwayne_10:
(Start: 8 @7221 has 222 MA's), (101, 7713), (104, 7728), (152, 7968), (154, 7980), (160, 8010), (172, 8064), (215, 8202),

Gene: DyoEdafos_9 Start: 5951, Stop: 7108, Start Num: 8
Candidate Starts for DyoEdafos_9:
(Start: 8 @5951 has 222 MA's), (21, 6029), (25, 6044), (32, 6104), (40, 6158), (47, 6194), (59, 6251), (65, 6284), (70, 6302), (94, 6389), (103, 6419), (105, 6434), (111, 6461), (127, 6578), (128, 6584), (152, 6668), (179, 6797), (208, 6866), (221, 6941), (229, 7007), (234, 7052), (237, 7088),

Gene: ELB20_09 Start: 7068, Stop: 8135, Start Num: 8
Candidate Starts for ELB20_09:
(Start: 8 @7068 has 222 MA's), (47, 7329), (64, 7413), (101, 7566), (104, 7581), (110, 7608), (129, 7740), (141, 7779), (172, 7920), (215, 8055),

Gene: Eddasa_11 Start: 7414, Stop: 8487, Start Num: 8
Candidate Starts for Eddasa_11:

(Start: 8 @7414 has 222 MA's), (64, 7765), (88, 7861), (101, 7906), (104, 7921), (132, 8089), (154, 8173), (160, 8203), (172, 8257), (190, 8317),

Gene: Ejemplo_10 Start: 7224, Stop: 8297, Start Num: 8
Candidate Starts for Ejemplo_10:
(Start: 8 @7224 has 222 MA's), (101, 7716), (104, 7731), (129, 7890), (154, 7983), (160, 8013), (172, 8067), (215, 8205),

Gene: ElGato_11 Start: 7070, Stop: 8098, Start Num: 8
Candidate Starts for ElGato_11:
(Start: 8 @7070 has 222 MA's), (18, 7124), (30, 7205), (129, 7703), (154, 7796), (167, 7868), (173, 7886), (179, 7913), (216, 8030), (223, 8078),

Gene: Elezi_7 Start: 6809, Stop: 7753, Start Num: 8
Candidate Starts for Elezi_7:
(Start: 8 @6809 has 222 MA's), (18, 6860), (31, 6947), (38, 7001), (46, 7043), (63, 7133), (71, 7160), (94, 7244), (105, 7289), (125, 7409), (134, 7451), (139, 7469), (158, 7547), (165, 7592), (168, 7604), (172, 7616), (173, 7619), (179, 7646), (195, 7694), (200, 7703), (209, 7727),

Gene: Ellson_9 Start: 6212, Stop: 7372, Start Num: 8
Candidate Starts for Ellson_9:
(Start: 8 @6212 has 222 MA's), (21, 6290), (25, 6305), (31, 6359), (32, 6365), (41, 6422), (47, 6455), (59, 6512), (65, 6545), (67, 6554), (103, 6680), (127, 6839), (152, 6929), (174, 7037), (179, 7058), (193, 7091), (231, 7298), (234, 7316),

Gene: Emaanora_12 Start: 7220, Stop: 8293, Start Num: 8
Candidate Starts for Emaanora_12:
(Start: 8 @7220 has 222 MA's), (101, 7712), (104, 7727), (152, 7967), (154, 7979), (160, 8009), (172, 8063), (215, 8201),

Gene: EmiRose_6 Start: 5829, Stop: 6923, Start Num: 8
Candidate Starts for EmiRose_6:
(Start: 8 @5829 has 222 MA's), (24, 5916), (39, 6057), (42, 6084), (46, 6114), (56, 6174), (62, 6210), (69, 6246), (75, 6327), (85, 6369), (93, 6423), (111, 6498), (129, 6621), (134, 6636), (158, 6732), (161, 6753), (167, 6786), (172, 6801), (186, 6849), (192, 6873),

Gene: Emotion_6 Start: 5160, Stop: 6125, Start Num: 8
Candidate Starts for Emotion_6:
(Start: 8 @5160 has 222 MA's), (42, 5370), (53, 5433), (58, 5454), (71, 5514), (80, 5556), (105, 5664), (109, 5685), (125, 5784), (128, 5808), (142, 5865), (152, 5892), (177, 6012),

Gene: Enceladus_8 Start: 6086, Stop: 7237, Start Num: 9
Candidate Starts for Enceladus_8:
(Start: 9 @6086 has 108 MA's), (11, 6101), (17, 6131), (25, 6170), (31, 6224), (32, 6230), (47, 6320), (59, 6377), (63, 6404), (65, 6410), (105, 6560), (111, 6587), (127, 6704), (140, 6749), (160, 6839), (167, 6878), (173, 6896), (174, 6902), (179, 6923), (208, 6992), (229, 7133), (234, 7178),

Gene: EniyanLRS_27 Start: 12672, Stop: 13850, Start Num: 9
Candidate Starts for EniyanLRS_27:
(Start: 9 @12672 has 108 MA's), (13, 12702), (18, 12723), (20, 12738), (25, 12756), (26, 12762), (31, 12810), (32, 12816), (50, 12927), (54, 12945), (58, 12963), (70, 13020), (77, 13053), (111, 13185), (113, 13197), (115, 13212), (122, 13260), (133, 13323), (144, 13371), (151, 13398), (161, 13446), (164, 13458), (179, 13524), (218, 13653), (219, 13659), (221, 13689), (233, 13797), (239, 13845),

Gene: EnochSoames_11 Start: 7410, Stop: 8483, Start Num: 8
Candidate Starts for EnochSoames_11:
(Start: 8 @7410 has 222 MA's), (64, 7761), (88, 7857), (101, 7902), (104, 7917), (132, 8085), (154, 8169), (160, 8199), (172, 8253), (190, 8313), (215, 8391),

Gene: Eraser_7 Start: 6809, Stop: 7753, Start Num: 8
Candidate Starts for Eraser_7:
(Start: 8 @6809 has 222 MA's), (18, 6860), (31, 6947), (32, 6953), (38, 7001), (41, 7016), (46, 7043), (94, 7244), (125, 7409), (139, 7469), (158, 7547), (165, 7592), (168, 7604), (172, 7616), (173, 7619), (179, 7646), (195, 7694), (200, 7703), (209, 7727),

Gene: Esperer_10 Start: 7251, Stop: 8324, Start Num: 8
Candidate Starts for Esperer_10:
(Start: 8 @7251 has 222 MA's), (64, 7602), (88, 7698), (101, 7743), (104, 7758), (132, 7926), (154, 8010), (160, 8040), (172, 8094), (190, 8154), (224, 8292),

Gene: Estes_23 Start: 10552, Stop: 11718, Start Num: 9
Candidate Starts for Estes_23:
(Start: 9 @10552 has 108 MA's), (25, 10636), (40, 10756), (41, 10759), (50, 10807), (60, 10855), (67, 10891), (70, 10900), (74, 10924), (86, 10960), (97, 10996), (108, 11050), (118, 11104), (128, 11182), (129, 11185), (144, 11245), (151, 11272), (156, 11299), (160, 11317), (173, 11374), (177, 11392), (183, 11413), (191, 11446), (224, 11581), (226, 11611),

Gene: Exile_7 Start: 6843, Stop: 7796, Start Num: 8
Candidate Starts for Exile_7:
(Start: 8 @6843 has 222 MA's), (16, 6888), (31, 6987), (36, 7011), (41, 7053), (42, 7056), (92, 7269), (105, 7326), (109, 7347), (128, 7470), (154, 7566), (172, 7653), (179, 7683), (185, 7698), (195, 7731), (209, 7764),

Gene: Faith1_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Faith1_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: FarmResident_8 Start: 5795, Stop: 6943, Start Num: 9
Candidate Starts for FarmResident_8:
(Start: 9 @5795 has 108 MA's), (25, 5879), (32, 5939), (40, 5993), (47, 6029), (51, 6047), (59, 6086), (65, 6119), (94, 6224), (103, 6254), (105, 6269), (109, 6290), (111, 6296), (127, 6413), (128, 6419), (152, 6503), (160, 6548), (163, 6563), (167, 6587), (173, 6605), (174, 6611), (179, 6632), (190, 6656), (208, 6701), (221, 6776), (229, 6842), (237, 6923),

Gene: Finemlucis_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Finemlucis_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: Finnry_9 Start: 6197, Stop: 7357, Start Num: 8
Candidate Starts for Finnry_9:
(Start: 8 @6197 has 222 MA's), (21, 6275), (25, 6290), (31, 6344), (32, 6350), (41, 6407), (47, 6440), (59, 6497), (65, 6530), (67, 6539), (103, 6665), (127, 6824), (152, 6914), (174, 7022), (179, 7043),

(190, 7067), (227, 7235), (229, 7256), (234, 7301),

Gene: FiveHead_6 Start: 5146, Stop: 6090, Start Num: 8
Candidate Starts for FiveHead_6:
(Start: 8 @5146 has 222 MA's), (18, 5197), (25, 5230), (58, 5437), (70, 5494), (109, 5647), (126, 5755), (134, 5788), (139, 5806), (152, 5854), (165, 5926), (172, 5950), (177, 5971), (209, 6061),

Gene: Floof_6 Start: 5563, Stop: 6561, Start Num: 2
Candidate Starts for Floof_6:
(Start: 2 @5563 has 1 MA's), (44, 5809), (51, 5845), (61, 5902), (63, 5914), (125, 6205), (134, 6247), (146, 6295), (163, 6373), (168, 6400), (192, 6484), (210, 6532),

Gene: Flutur_7 Start: 6820, Stop: 7767, Start Num: 8
Candidate Starts for Flutur_7:
(Start: 8 @6820 has 222 MA's), (18, 6871), (25, 6904), (46, 7054), (71, 7171), (105, 7300), (109, 7321), (125, 7420), (126, 7429), (139, 7480), (158, 7558), (165, 7603), (166, 7606), (172, 7627), (177, 7648), (179, 7657), (185, 7672), (209, 7738),

Gene: Footloose_6 Start: 4869, Stop: 5759, Start Num: 8
Candidate Starts for Footloose_6:
(Start: 8 @4869 has 222 MA's), (44, 5130), (52, 5184), (62, 5220), (73, 5256), (96, 5322), (101, 5343), (139, 5541), (158, 5619),

Gene: Forester_7 Start: 7166, Stop: 8143, Start Num: 5
Candidate Starts for Forester_7:
(Start: 5 @7166 has 7 MA's), (25, 7265), (44, 7403), (51, 7439), (61, 7496), (63, 7508), (86, 7595), (125, 7787), (129, 7814), (146, 7877), (163, 7955), (168, 7982), (176, 8009), (187, 8045), (189, 8054), (210, 8114),

Gene: FreakyGoo_19 Start: 9854, Stop: 11017, Start Num: 9
Candidate Starts for FreakyGoo_19:
(Start: 9 @9854 has 108 MA's), (25, 9938), (40, 10058), (41, 10061), (60, 10157), (63, 10178), (74, 10226), (89, 10271), (98, 10301), (105, 10334), (113, 10373), (128, 10484), (129, 10487), (131, 10493), (144, 10547), (151, 10574), (156, 10601), (160, 10619), (173, 10676), (177, 10694), (183, 10715), (191, 10748), (224, 10877), (229, 10931), (232, 10970),

Gene: Gabriela_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Gabriela_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: Galactica_7 Start: 5830, Stop: 6765, Start Num: 9
Candidate Starts for Galactica_7:
(Start: 9 @5830 has 108 MA's), (22, 5902), (42, 6022), (52, 6076), (55, 6088), (67, 6151), (81, 6208), (101, 6310), (110, 6352), (126, 6460), (169, 6646), (179, 6685),

Gene: Gambol_7 Start: 6242, Stop: 7168, Start Num: 8
Candidate Starts for Gambol_7:
(Start: 8 @6242 has 222 MA's), (33, 6392), (37, 6407), (47, 6479), (71, 6590), (94, 6674), (101, 6701), (110, 6743), (126, 6848), (129, 6866), (139, 6899), (148, 6932), (173, 7049), (179, 7076), (192, 7112), (209, 7145),

Gene: Gardann_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Gardann_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: GardenSalsa_22 Start: 10388, Stop: 11554, Start Num: 9
Candidate Starts for GardenSalsa_22:
(Start: 9 @10388 has 108 MA's), (25, 10472), (28, 10496), (33, 10538), (40, 10592), (50, 10643), (60, 10691), (67, 10727), (70, 10736), (74, 10760), (86, 10796), (97, 10832), (108, 10886), (118, 10940), (128, 11018), (129, 11021), (144, 11081), (151, 11108), (156, 11135), (160, 11153), (173, 11210), (177, 11228), (183, 11249), (191, 11282), (224, 11417), (226, 11447), (228, 11468), (230, 11480),

Gene: GardenState_7 Start: 6286, Stop: 7260, Start Num: 5
Candidate Starts for GardenState_7:
(Start: 5 @6286 has 7 MA's), (42, 6511), (51, 6559), (63, 6628), (74, 6676), (105, 6790), (126, 6919), (134, 6952), (135, 6961), (142, 6991), (146, 7000), (161, 7069), (173, 7120), (191, 7186), (204, 7219), (210, 7237),

Gene: GenevaB15_22 Start: 10415, Stop: 11581, Start Num: 9
Candidate Starts for GenevaB15_22:
(Start: 9 @10415 has 108 MA's), (25, 10499), (28, 10523), (33, 10565), (40, 10619), (50, 10670), (60, 10718), (67, 10754), (70, 10763), (74, 10787), (86, 10823), (97, 10859), (108, 10913), (118, 10967), (128, 11045), (129, 11048), (144, 11108), (151, 11135), (156, 11162), (160, 11180), (173, 11237), (177, 11255), (183, 11276), (191, 11309), (224, 11444), (226, 11474), (228, 11495), (230, 11507),

Gene: Giorgio_7 Start: 6335, Stop: 7261, Start Num: 8
Candidate Starts for Giorgio_7:
(Start: 8 @6335 has 222 MA's), (33, 6485), (37, 6500), (47, 6572), (71, 6683), (94, 6767), (101, 6794), (110, 6836), (129, 6959), (139, 6992), (148, 7025), (173, 7142), (179, 7169), (200, 7214), (209, 7238),

Gene: GirlDinner_10 Start: 7086, Stop: 8132, Start Num: 8
Candidate Starts for GirlDinner_10:
(Start: 8 @7086 has 222 MA's), (59, 7383), (64, 7410), (101, 7551), (104, 7566), (129, 7725), (154, 7818), (172, 7902), (179, 7932), (215, 8040),

Gene: Glaske16_19 Start: 9853, Stop: 11016, Start Num: 9
Candidate Starts for Glaske16_19:
(Start: 9 @9853 has 108 MA's), (25, 9937), (40, 10057), (41, 10060), (60, 10156), (63, 10177), (74, 10225), (89, 10270), (98, 10300), (105, 10333), (113, 10372), (128, 10483), (129, 10486), (131, 10492), (144, 10546), (151, 10573), (156, 10600), (160, 10618), (173, 10675), (177, 10693), (183, 10714), (191, 10747), (224, 10876), (229, 10930), (232, 10969),

Gene: Goby_10 Start: 7221, Stop: 8297, Start Num: 8
Candidate Starts for Goby_10:
(Start: 8 @7221 has 222 MA's), (101, 7719), (108, 7755), (129, 7893), (141, 7932), (160, 8016), (161, 8022), (179, 8100), (215, 8205),

Gene: Godpower_11 Start: 7218, Stop: 8306, Start Num: 8
Candidate Starts for Godpower_11:
(Start: 8 @7218 has 222 MA's), (101, 7737), (104, 7752), (129, 7911), (154, 8004), (160, 8034), (172, 8088), (190, 8148),

Gene: GreenWeasel_12 Start: 7324, Stop: 8379, Start Num: 8
Candidate Starts for GreenWeasel_12:
(Start: 8 @7324 has 222 MA's), (64, 7654), (70, 7675), (101, 7795), (105, 7813), (141, 8008), (160, 8095), (168, 8137), (173, 8152),

Gene: Gretchen_7 Start: 7160, Stop: 8137, Start Num: 5
Candidate Starts for Gretchen_7:
(Start: 5 @7160 has 7 MA's), (25, 7259), (44, 7397), (51, 7433), (61, 7490), (63, 7502), (86, 7589), (125, 7781), (129, 7808), (146, 7871), (163, 7949), (168, 7976), (176, 8003), (187, 8039), (189, 8048), (210, 8108),

Gene: Gumpizza_7 Start: 6334, Stop: 7260, Start Num: 8
Candidate Starts for Gumpizza_7:
(Start: 8 @6334 has 222 MA's), (33, 6484), (37, 6499), (47, 6571), (71, 6682), (94, 6766), (101, 6793), (110, 6835), (129, 6958), (139, 6991), (148, 7024), (173, 7141), (179, 7168), (200, 7213), (209, 7237),

Gene: GuuelaD_8 Start: 6104, Stop: 7252, Start Num: 9
Candidate Starts for GuuelaD_8:
(Start: 9 @6104 has 108 MA's), (11, 6119), (17, 6149), (25, 6188), (31, 6242), (47, 6338), (63, 6422), (94, 6533), (103, 6563), (105, 6578), (110, 6602), (113, 6617), (125, 6704), (127, 6722), (128, 6728), (152, 6812), (160, 6857), (174, 6920), (179, 6941), (190, 6965), (193, 6974), (208, 7010), (221, 7085), (229, 7151), (231, 7178),

Gene: Hafay_8 Start: 6103, Stop: 7251, Start Num: 9
Candidate Starts for Hafay_8:
(Start: 9 @6103 has 108 MA's), (11, 6118), (25, 6187), (31, 6241), (47, 6337), (63, 6421), (94, 6532), (103, 6562), (105, 6577), (110, 6601), (113, 6616), (125, 6703), (127, 6721), (128, 6727), (152, 6811), (160, 6856), (174, 6919), (179, 6940), (193, 6973), (208, 7009), (221, 7084), (229, 7150), (231, 7177),

Gene: Haizum_10 Start: 7041, Stop: 8087, Start Num: 8
Candidate Starts for Haizum_10:
(Start: 8 @7041 has 222 MA's), (22, 7116), (59, 7338), (78, 7422), (101, 7506), (104, 7521), (154, 7773), (160, 7803), (172, 7857), (179, 7887),

Gene: Halena_8 Start: 6085, Stop: 7236, Start Num: 9
Candidate Starts for Halena_8:
(Start: 9 @6085 has 108 MA's), (11, 6100), (17, 6130), (25, 6169), (31, 6223), (32, 6229), (47, 6319), (59, 6376), (63, 6403), (65, 6409), (105, 6559), (111, 6586), (127, 6703), (140, 6748), (160, 6838), (167, 6877), (173, 6895), (174, 6901), (179, 6922), (208, 6991), (229, 7132), (234, 7177),

Gene: Halsey_7 Start: 6333, Stop: 7259, Start Num: 8
Candidate Starts for Halsey_7:
(Start: 8 @6333 has 222 MA's), (33, 6483), (37, 6498), (47, 6570), (71, 6681), (94, 6765), (101, 6792), (110, 6834), (129, 6957), (139, 6990), (148, 7023), (173, 7140), (179, 7167), (200, 7212), (209, 7236),

Gene: Hank144_11 Start: 7359, Stop: 8426, Start Num: 8
Candidate Starts for Hank144_11:
(Start: 8 @7359 has 222 MA's), (22, 7431), (47, 7620), (64, 7704), (101, 7845), (104, 7860), (110, 7887), (132, 8028), (172, 8199), (215, 8334),

Gene: Hippo_10 Start: 7220, Stop: 8293, Start Num: 8
Candidate Starts for Hippo_10:

(Start: 8 @7220 has 222 MA's), (101, 7712), (104, 7727), (152, 7967), (154, 7979), (160, 8009), (172, 8063), (215, 8201),

Gene: Hiraya_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Hiraya_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: Hiyaa_7 Start: 5800, Stop: 6735, Start Num: 9
Candidate Starts for Hiyaa_7:
(Start: 9 @5800 has 108 MA's), (22, 5872), (52, 6046), (67, 6121), (79, 6169), (81, 6178), (85, 6196), (101, 6280), (105, 6298), (126, 6430), (130, 6451), (169, 6616),

Gene: Honk_6 Start: 5188, Stop: 6153, Start Num: 5
Candidate Starts for Honk_6:
(Start: 5 @5188 has 7 MA's), (51, 5461), (61, 5518), (80, 5599), (126, 5821), (158, 5950), (176, 6034), (191, 6088), (195, 6097), (210, 6139),

Gene: Hydra_12 Start: 7788, Stop: 8852, Start Num: 8
Candidate Starts for Hydra_12:
(Start: 8 @7788 has 222 MA's), (64, 8133), (101, 8274), (104, 8289), (132, 8457), (141, 8487), (154, 8541), (160, 8571), (172, 8625), (215, 8760),

Gene: IAmGroot_7 Start: 6930, Stop: 7904, Start Num: 5
Candidate Starts for IAmGroot_7:
(Start: 5 @6930 has 7 MA's), (42, 7155), (51, 7203), (63, 7272), (74, 7320), (105, 7434), (126, 7563), (134, 7596), (135, 7605), (142, 7635), (146, 7644), (161, 7713), (173, 7764), (191, 7830), (204, 7863), (210, 7881),

Gene: IPhane7_18 Start: 9854, Stop: 11017, Start Num: 9
Candidate Starts for IPhane7_18:
(Start: 9 @9854 has 108 MA's), (25, 9938), (40, 10058), (41, 10061), (60, 10157), (63, 10178), (74, 10226), (89, 10271), (98, 10301), (105, 10334), (113, 10373), (128, 10484), (129, 10487), (131, 10493), (144, 10547), (151, 10574), (156, 10601), (160, 10619), (173, 10676), (177, 10694), (183, 10715), (191, 10748), (224, 10877), (229, 10931), (232, 10970),

Gene: IUFootball_6 Start: 5287, Stop: 6255, Start Num: 8
Candidate Starts for IUFootball_6:
(Start: 8 @5287 has 222 MA's), (25, 5371), (29, 5398), (41, 5494), (42, 5497), (53, 5560), (58, 5581), (105, 5791), (109, 5812), (129, 5938), (142, 5992), (152, 6019), (157, 6046), (173, 6121), (177, 6139), (192, 6190),

Gene: Indigo_10 Start: 7251, Stop: 8324, Start Num: 8
Candidate Starts for Indigo_10:
(Start: 8 @7251 has 222 MA's), (64, 7602), (88, 7698), (101, 7743), (104, 7758), (132, 7926), (154, 8010), (160, 8040), (172, 8094), (190, 8154), (224, 8292),

Gene: Issmi_11 Start: 7309, Stop: 8367, Start Num: 8
Candidate Starts for Issmi_11:
(Start: 8 @7309 has 222 MA's), (10, 7330), (64, 7639), (101, 7780), (120, 7885), (139, 7987), (141, 7993), (154, 8047), (160, 8080), (173, 8137), (179, 8164), (206, 8236), (215, 8275),

Gene: Iter_7 Start: 6834, Stop: 7778, Start Num: 8
Candidate Starts for Iter_7:
(Start: 8 @6834 has 222 MA's), (18, 6885), (31, 6972), (38, 7026), (46, 7068), (71, 7185), (72, 7194), (94, 7269), (125, 7434), (134, 7476), (139, 7494), (158, 7572), (165, 7617), (168, 7629), (172, 7641), (177, 7662), (179, 7671), (185, 7686), (209, 7752),

Gene: Itos_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Itos_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: IttyBittyPiggy_7 Start: 6819, Stop: 7766, Start Num: 8
Candidate Starts for IttyBittyPiggy_7:
(Start: 8 @6819 has 222 MA's), (18, 6870), (38, 7011), (46, 7053), (53, 7089), (71, 7170), (72, 7179), (80, 7212), (105, 7299), (110, 7323), (134, 7461), (166, 7605), (172, 7626), (179, 7656), (185, 7671), (209, 7737),

Gene: Itza_10 Start: 7438, Stop: 8511, Start Num: 8
Candidate Starts for Itza_10:
(1, 7402), (Start: 8 @7438 has 222 MA's), (21, 7516), (64, 7792), (88, 7888), (103, 7936), (111, 7978), (130, 8110), (136, 8134), (141, 8146), (160, 8233), (161, 8239), (173, 8290), (179, 8317), (206, 8386),

Gene: Izel_19 Start: 9853, Stop: 11016, Start Num: 9
Candidate Starts for Izel_19:
(Start: 9 @9853 has 108 MA's), (25, 9937), (40, 10057), (41, 10060), (60, 10156), (63, 10177), (74, 10225), (89, 10270), (98, 10300), (105, 10333), (113, 10372), (128, 10483), (129, 10486), (131, 10492), (144, 10546), (151, 10573), (156, 10600), (160, 10618), (173, 10675), (177, 10693), (183, 10714), (191, 10747), (224, 10876), (229, 10930), (232, 10969),

Gene: Izzy_11 Start: 7461, Stop: 8534, Start Num: 8
Candidate Starts for Izzy_11:
(Start: 8 @7461 has 222 MA's), (64, 7812), (88, 7908), (101, 7953), (104, 7968), (132, 8136), (154, 8220), (160, 8250), (172, 8304), (190, 8364),

Gene: Janeemi_8 Start: 7920, Stop: 8864, Start Num: 8
Candidate Starts for Janeemi_8:
(Start: 8 @7920 has 222 MA's), (32, 8064), (46, 8154), (71, 8271), (94, 8355), (105, 8400), (110, 8424), (125, 8520), (134, 8562), (158, 8658), (166, 8706), (172, 8727), (179, 8757), (195, 8805), (209, 8838),

Gene: Janus_11 Start: 7423, Stop: 8469, Start Num: 8
Candidate Starts for Janus_11:
(Start: 8 @7423 has 222 MA's), (59, 7720), (64, 7747), (101, 7888), (104, 7903), (129, 8062), (154, 8155), (172, 8239), (215, 8377),

Gene: Jash_11 Start: 7414, Stop: 8487, Start Num: 8
Candidate Starts for Jash_11:
(Start: 8 @7414 has 222 MA's), (64, 7765), (88, 7861), (101, 7906), (104, 7921), (132, 8089), (154, 8173), (160, 8203), (172, 8257), (190, 8317),

Gene: JasmineDragon_6 Start: 5155, Stop: 6096, Start Num: 8
Candidate Starts for JasmineDragon_6:

(Start: 8 @5155 has 222 MA's), (18, 5206), (38, 5347), (46, 5389), (58, 5446), (63, 5479), (70, 5503), (74, 5527), (109, 5656), (126, 5764), (134, 5797), (148, 5848), (152, 5863), (165, 5935), (172, 5959), (177, 5980), (195, 6037), (209, 6070),

Gene: Jevington_12 Start: 7599, Stop: 8669, Start Num: 8
Candidate Starts for Jevington_12:
(Start: 8 @7599 has 222 MA's), (64, 7929), (101, 8082), (139, 8289), (141, 8295), (168, 8424), (172, 8436), (213, 8571), (215, 8577),

Gene: Jhitchelle_9 Start: 6997, Stop: 8025, Start Num: 8
Candidate Starts for Jhitchelle_9:
(Start: 8 @6997 has 222 MA's), (18, 7051), (55, 7273), (129, 7630), (154, 7723), (167, 7795), (173, 7813), (179, 7840), (206, 7909), (223, 8005),

Gene: Jobypre_9 Start: 6200, Stop: 7360, Start Num: 8
Candidate Starts for Jobypre_9:
(Start: 8 @6200 has 222 MA's), (21, 6278), (25, 6293), (31, 6347), (32, 6353), (41, 6410), (47, 6443), (59, 6500), (65, 6533), (67, 6542), (94, 6638), (103, 6668), (127, 6827), (152, 6917), (174, 7025), (179, 7046), (190, 7070), (227, 7238), (229, 7259), (234, 7304),

Gene: JoeDirt_8 Start: 6085, Stop: 7236, Start Num: 9
Candidate Starts for JoeDirt_8:
(Start: 9 @6085 has 108 MA's), (11, 6100), (17, 6130), (25, 6169), (31, 6223), (32, 6229), (47, 6319), (59, 6376), (63, 6403), (65, 6409), (105, 6559), (111, 6586), (127, 6703), (140, 6748), (160, 6838), (167, 6877), (173, 6895), (174, 6901), (179, 6922), (208, 6991), (229, 7132), (234, 7177),

Gene: Joemato_7 Start: 6821, Stop: 7768, Start Num: 8
Candidate Starts for Joemato_7:
(Start: 8 @6821 has 222 MA's), (18, 6872), (25, 6905), (32, 6965), (38, 7013), (46, 7055), (71, 7172), (94, 7256), (105, 7301), (109, 7322), (125, 7421), (134, 7463), (152, 7529), (158, 7559), (165, 7604), (168, 7616), (173, 7631), (179, 7658), (195, 7706), (209, 7739),

Gene: JohnDoe_7 Start: 6819, Stop: 7766, Start Num: 8
Candidate Starts for JohnDoe_7:
(Start: 8 @6819 has 222 MA's), (18, 6870), (25, 6903), (32, 6963), (38, 7011), (46, 7053), (71, 7170), (94, 7254), (105, 7299), (109, 7320), (125, 7419), (134, 7461), (139, 7479), (158, 7557), (165, 7602), (168, 7614), (172, 7626), (179, 7656), (185, 7671), (195, 7704), (209, 7737),

Gene: JohnThicc_6 Start: 5146, Stop: 6090, Start Num: 8
Candidate Starts for JohnThicc_6:
(Start: 8 @5146 has 222 MA's), (18, 5197), (25, 5230), (58, 5437), (70, 5494), (109, 5647), (126, 5755), (134, 5788), (139, 5806), (152, 5854), (165, 5926), (172, 5950), (177, 5971), (209, 6061),

Gene: Jstan_7 Start: 6809, Stop: 7753, Start Num: 8
Candidate Starts for Jstan_7:
(Start: 8 @6809 has 222 MA's), (18, 6860), (31, 6947), (32, 6953), (38, 7001), (41, 7016), (46, 7043), (94, 7244), (125, 7409), (139, 7469), (158, 7547), (165, 7592), (168, 7604), (172, 7616), (173, 7619), (179, 7646), (195, 7694), (200, 7703), (209, 7727),

Gene: Jubie_9 Start: 6200, Stop: 7360, Start Num: 8
Candidate Starts for Jubie_9:
(Start: 8 @6200 has 222 MA's), (21, 6278), (25, 6293), (31, 6347), (32, 6353), (41, 6410), (47, 6443), (59, 6500), (65, 6533), (67, 6542), (94, 6638), (103, 6668), (127, 6827), (152, 6917), (174, 7025), (179,

7046), (190, 7070), (227, 7238), (229, 7259), (234, 7304),

Gene: JuneStar_7 Start: 6936, Stop: 7883, Start Num: 8
Candidate Starts for JuneStar_7:
(Start: 8 @6936 has 222 MA's), (18, 6987), (46, 7170), (72, 7296), (105, 7416), (110, 7440), (111, 7443), (134, 7578), (139, 7596), (165, 7719), (166, 7722), (172, 7743), (179, 7773), (185, 7788), (209, 7854),

Gene: Kahlid_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Kahlid_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: Kaine_10 Start: 7060, Stop: 8088, Start Num: 8
Candidate Starts for Kaine_10:
(Start: 8 @7060 has 222 MA's), (18, 7114), (30, 7195), (129, 7693), (154, 7786), (167, 7858), (173, 7876), (179, 7903), (216, 8020), (223, 8068),

Gene: Kalimba_7 Start: 6242, Stop: 7168, Start Num: 8
Candidate Starts for Kalimba_7:
(Start: 8 @6242 has 222 MA's), (33, 6392), (37, 6407), (47, 6479), (71, 6590), (94, 6674), (101, 6701), (110, 6743), (126, 6848), (129, 6866), (139, 6899), (148, 6932), (173, 7049), (179, 7076), (192, 7112), (209, 7145),

Gene: Katalie_11 Start: 7494, Stop: 8567, Start Num: 8
Candidate Starts for Katalie_11:
(Start: 8 @7494 has 222 MA's), (101, 7986), (108, 8022), (129, 8160), (141, 8199), (160, 8283), (172, 8337), (215, 8475),

Gene: Kaylissa_7 Start: 6821, Stop: 7768, Start Num: 8
Candidate Starts for Kaylissa_7:
(Start: 8 @6821 has 222 MA's), (18, 6872), (25, 6905), (32, 6965), (38, 7013), (46, 7055), (71, 7172), (94, 7256), (105, 7301), (109, 7322), (125, 7421), (134, 7463), (152, 7529), (158, 7559), (165, 7604), (168, 7616), (173, 7631), (179, 7658), (195, 7706), (209, 7739),

Gene: KeAlii_7 Start: 6837, Stop: 7790, Start Num: 8
Candidate Starts for KeAlii_7:
(Start: 8 @6837 has 222 MA's), (41, 7050), (42, 7053), (46, 7077), (53, 7113), (58, 7134), (70, 7191), (94, 7287), (105, 7332), (110, 7356), (129, 7479), (134, 7494), (157, 7587), (165, 7635), (172, 7659), (181, 7695), (204, 7755),

Gene: Keanu_7 Start: 5860, Stop: 6795, Start Num: 9
Candidate Starts for Keanu_7:
(Start: 9 @5860 has 108 MA's), (22, 5932), (42, 6052), (67, 6181), (79, 6229), (81, 6238), (101, 6340), (110, 6382), (149, 6571), (169, 6676), (179, 6715),

Gene: Kingsolomon_9 Start: 6200, Stop: 7360, Start Num: 8
Candidate Starts for Kingsolomon_9:
(Start: 8 @6200 has 222 MA's), (21, 6278), (25, 6293), (31, 6347), (32, 6353), (41, 6410), (47, 6443), (59, 6500), (65, 6533), (67, 6542), (94, 6638), (103, 6668), (127, 6827), (152, 6917), (174, 7025), (179, 7046), (190, 7070), (227, 7238), (229, 7259), (234, 7304),

Gene: KirDoubleO7_7 Start: 6213, Stop: 7373, Start Num: 8
Candidate Starts for KirDoubleO7_7:
(Start: 8 @6213 has 222 MA's), (21, 6291), (25, 6306), (31, 6360), (32, 6366), (40, 6420), (47, 6456), (59, 6513), (65, 6546), (67, 6555), (103, 6681), (127, 6840), (152, 6930), (174, 7038), (179, 7059), (231, 7299), (234, 7317),

Gene: KleverKiS_18 Start: 9850, Stop: 11013, Start Num: 9
Candidate Starts for KleverKiS_18:
(Start: 9 @9850 has 108 MA's), (25, 9934), (40, 10054), (41, 10057), (60, 10153), (63, 10174), (74, 10222), (89, 10267), (98, 10297), (105, 10330), (113, 10369), (128, 10480), (129, 10483), (131, 10489), (144, 10543), (151, 10570), (156, 10597), (160, 10615), (173, 10672), (177, 10690), (183, 10711), (191, 10744), (224, 10873), (229, 10927), (232, 10966),

Gene: Kokushibo_7 Start: 5809, Stop: 6744, Start Num: 9
Candidate Starts for Kokushibo_7:
(Start: 9 @5809 has 108 MA's), (22, 5881), (52, 6055), (67, 6130), (79, 6178), (81, 6187), (85, 6205), (101, 6289), (105, 6307), (126, 6439), (130, 6460), (169, 6625),

Gene: Kropertea_8 Start: 5757, Stop: 6914, Start Num: 8
Candidate Starts for Kropertea_8:
(Start: 8 @5757 has 222 MA's), (21, 5835), (25, 5850), (32, 5910), (40, 5964), (47, 6000), (59, 6057), (65, 6090), (70, 6108), (94, 6195), (103, 6225), (105, 6240), (111, 6267), (127, 6384), (128, 6390), (152, 6474), (174, 6582), (179, 6603), (208, 6672), (221, 6747), (229, 6813), (234, 6858), (237, 6894),

Gene: Krypton555_9 Start: 6192, Stop: 7349, Start Num: 8
Candidate Starts for Krypton555_9:
(Start: 8 @6192 has 222 MA's), (21, 6270), (25, 6285), (31, 6339), (32, 6345), (41, 6402), (47, 6435), (59, 6492), (65, 6525), (67, 6534), (103, 6660), (121, 6771), (127, 6819), (152, 6909), (174, 7017), (179, 7038), (190, 7062), (229, 7248), (231, 7275), (234, 7293),

Gene: Kudefre_16 Start: 9659, Stop: 10618, Start Num: 9
Candidate Starts for Kudefre_16:
(Start: 9 @9659 has 108 MA's), (17, 9704), (19, 9713), (59, 9959), (74, 10034), (87, 10073), (103, 10127), (110, 10166), (123, 10256), (147, 10367), (157, 10415), (163, 10448), (166, 10466), (184, 10535), (202, 10583),

Gene: Kumao_17 Start: 9206, Stop: 10348, Start Num: 9
Candidate Starts for Kumao_17:
(Start: 9 @9206 has 108 MA's), (14, 9239), (21, 9275), (51, 9461), (59, 9500), (67, 9542), (70, 9551), (105, 9683), (108, 9701), (128, 9833), (130, 9839), (143, 9893), (144, 9896), (151, 9923), (176, 10037), (179, 10052), (227, 10247), (229, 10262), (233, 10304),

Gene: LadyAstra_6 Start: 5146, Stop: 6090, Start Num: 8
Candidate Starts for LadyAstra_6:
(Start: 8 @5146 has 222 MA's), (18, 5197), (25, 5230), (58, 5437), (70, 5494), (109, 5647), (126, 5755), (134, 5788), (152, 5854), (165, 5926), (172, 5950), (177, 5971), (209, 6061),

Gene: Lannister_11 Start: 7235, Stop: 8308, Start Num: 8
Candidate Starts for Lannister_11:
(Start: 8 @7235 has 222 MA's), (64, 7586), (104, 7742), (132, 7910), (154, 7994), (172, 8078), (190, 8138), (215, 8216),

Gene: LeBron_8 Start: 6085, Stop: 7236, Start Num: 9

Candidate Starts for LeBron_8:
(Start: 9 @6085 has 108 MA's), (11, 6100), (17, 6130), (25, 6169), (31, 6223), (32, 6229), (47, 6319), (59, 6376), (63, 6403), (65, 6409), (105, 6559), (111, 6586), (127, 6703), (140, 6748), (152, 6793), (160, 6838), (167, 6877), (173, 6895), (174, 6901), (179, 6922), (208, 6991), (229, 7132), (234, 7177),

Gene: Legacy_10 Start: 7231, Stop: 8295, Start Num: 8
Candidate Starts for Legacy_10:
(Start: 8 @7231 has 222 MA's), (64, 7576), (101, 7717), (104, 7732), (132, 7900), (141, 7930), (154, 7984), (160, 8014), (172, 8068), (215, 8203),

Gene: Lego_7 Start: 6820, Stop: 7767, Start Num: 8
Candidate Starts for Lego_7:
(Start: 8 @6820 has 222 MA's), (18, 6871), (25, 6904), (46, 7054), (71, 7171), (105, 7300), (109, 7321), (125, 7420), (126, 7429), (139, 7480), (158, 7558), (165, 7603), (166, 7606), (172, 7627), (179, 7657), (185, 7672), (209, 7738),

Gene: Leviticus_10 Start: 7251, Stop: 8324, Start Num: 8
Candidate Starts for Leviticus_10:
(Start: 8 @7251 has 222 MA's), (64, 7602), (88, 7698), (101, 7743), (104, 7758), (132, 7926), (154, 8010), (160, 8040), (172, 8094), (190, 8154), (224, 8292),

Gene: Lewan_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Lewan_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: Liebe_6 Start: 5287, Stop: 6255, Start Num: 8
Candidate Starts for Liebe_6:
(Start: 8 @5287 has 222 MA's), (25, 5371), (29, 5398), (41, 5494), (42, 5497), (53, 5560), (58, 5581), (105, 5791), (109, 5812), (129, 5938), (142, 5992), (152, 6019), (157, 6046), (173, 6121), (177, 6139), (192, 6190),

Gene: Lika_10 Start: 7219, Stop: 8307, Start Num: 8
Candidate Starts for Lika_10:
(Start: 8 @7219 has 222 MA's), (101, 7738), (104, 7753), (129, 7912), (154, 8005), (160, 8035), (172, 8089), (190, 8149),

Gene: LilDestine_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for LilDestine_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: LilJank_16 Start: 9534, Stop: 10481, Start Num: 9
Candidate Starts for LilJank_16:
(Start: 9 @9534 has 108 MA's), (18, 9585), (43, 9756), (47, 9777), (110, 10041), (116, 10074), (123, 10131), (129, 10173), (147, 10242),

Gene: LilhomieP_17 Start: 9854, Stop: 11017, Start Num: 9
Candidate Starts for LilhomieP_17:
(Start: 9 @9854 has 108 MA's), (25, 9938), (40, 10058), (41, 10061), (60, 10157), (63, 10178), (74, 10226), (89, 10271), (98, 10301), (105, 10334), (113, 10373), (128, 10484), (129, 10487), (131,

10493), (144, 10547), (151, 10574), (156, 10601), (160, 10619), (173, 10676), (177, 10694), (183, 10715), (191, 10748), (224, 10877), (229, 10931), (232, 10970),

Gene: LiyuLake_9 Start: 6204, Stop: 7364, Start Num: 8
Candidate Starts for LiyuLake_9:
(Start: 8 @6204 has 222 MA's), (21, 6282), (25, 6297), (31, 6351), (32, 6357), (40, 6411), (47, 6447), (59, 6504), (65, 6537), (67, 6546), (103, 6672), (127, 6831), (152, 6921), (174, 7029), (179, 7050), (231, 7290), (234, 7308),

Gene: Lizalica_7 Start: 6812, Stop: 7759, Start Num: 8
Candidate Starts for Lizalica_7:
(Start: 8 @6812 has 222 MA's), (18, 6863), (32, 6956), (38, 7004), (46, 7046), (63, 7136), (71, 7163), (105, 7292), (139, 7472), (158, 7550), (165, 7595), (168, 7607), (172, 7619), (179, 7649), (195, 7697), (209, 7730),

Gene: Loadrie_8 Start: 6103, Stop: 7251, Start Num: 9
Candidate Starts for Loadrie_8:
(Start: 9 @6103 has 108 MA's), (11, 6118), (25, 6187), (31, 6241), (47, 6337), (63, 6421), (94, 6532), (103, 6562), (105, 6577), (110, 6601), (113, 6616), (125, 6703), (127, 6721), (128, 6727), (152, 6811), (160, 6856), (174, 6919), (179, 6940), (193, 6973), (208, 7009), (221, 7084), (229, 7150), (231, 7177),

Gene: Lolly9_9 Start: 6207, Stop: 7367, Start Num: 8
Candidate Starts for Lolly9_9:
(Start: 8 @6207 has 222 MA's), (21, 6285), (25, 6300), (31, 6354), (32, 6360), (41, 6417), (47, 6450), (59, 6507), (65, 6540), (67, 6549), (103, 6675), (121, 6786), (127, 6834), (152, 6924), (174, 7032), (179, 7053), (231, 7293), (234, 7311),

Gene: London_7 Start: 6809, Stop: 7753, Start Num: 8
Candidate Starts for London_7:
(Start: 8 @6809 has 222 MA's), (18, 6860), (31, 6947), (32, 6953), (38, 7001), (41, 7016), (46, 7043), (94, 7244), (125, 7409), (139, 7469), (158, 7547), (165, 7592), (168, 7604), (172, 7616), (173, 7619), (179, 7646), (195, 7694), (200, 7703), (209, 7727),

Gene: Loofah_11 Start: 7111, Stop: 8178, Start Num: 8
Candidate Starts for Loofah_11:
(Start: 8 @7111 has 222 MA's), (47, 7372), (64, 7456), (101, 7609), (104, 7624), (110, 7651), (129, 7783), (141, 7822), (172, 7963), (215, 8098),

Gene: Lorelei_10 Start: 7218, Stop: 8291, Start Num: 8
Candidate Starts for Lorelei_10:
(Start: 8 @7218 has 222 MA's), (101, 7710), (104, 7725), (154, 7977), (160, 8007), (179, 8091), (190, 8121), (215, 8199),

Gene: Lumos_9 Start: 6200, Stop: 7360, Start Num: 8
Candidate Starts for Lumos_9:
(Start: 8 @6200 has 222 MA's), (21, 6278), (25, 6293), (31, 6347), (32, 6353), (41, 6410), (47, 6443), (59, 6500), (65, 6533), (67, 6542), (94, 6638), (103, 6668), (127, 6827), (152, 6917), (174, 7025), (179, 7046), (190, 7070), (227, 7238), (229, 7259), (234, 7304),

Gene: Lynnae_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Lynnae_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (127, 6688), (128, 6694), (152, 6778), (160, 6823),

(174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: MAckerman_8 Start: 6084, Stop: 7235, Start Num: 9
Candidate Starts for MAckerman_8:
(Start: 9 @6084 has 108 MA's), (11, 6099), (17, 6129), (25, 6168), (31, 6222), (32, 6228), (47, 6318), (59, 6375), (63, 6402), (65, 6408), (105, 6558), (111, 6585), (127, 6702), (140, 6747), (160, 6837), (167, 6876), (173, 6894), (174, 6900), (179, 6921), (208, 6990), (229, 7131), (234, 7176),

Gene: MaGuCo_6 Start: 5146, Stop: 6114, Start Num: 8
Candidate Starts for MaGuCo_6:
(Start: 8 @5146 has 222 MA's), (25, 5230), (29, 5257), (41, 5353), (42, 5356), (58, 5440), (105, 5650), (109, 5671), (129, 5797), (142, 5851), (152, 5878), (157, 5905), (173, 5980), (177, 5998), (192, 6049),

Gene: Mabodamaca_7 Start: 6365, Stop: 7327, Start Num: 8
Candidate Starts for Mabodamaca_7:
(Start: 8 @6365 has 222 MA's), (15, 6404), (25, 6452), (51, 6626), (105, 6857), (134, 7019), (142, 7058), (146, 7067), (161, 7136), (163, 7145), (173, 7187), (176, 7199),

Gene: Maneekul_10 Start: 7223, Stop: 8296, Start Num: 8
Candidate Starts for Maneekul_10:
(Start: 8 @7223 has 222 MA's), (101, 7715), (104, 7730), (129, 7889), (154, 7982), (160, 8012), (172, 8066), (215, 8204),

Gene: Marav_13 Start: 7949, Stop: 9019, Start Num: 8
Candidate Starts for Marav_13:
(Start: 8 @7949 has 222 MA's), (64, 8279), (88, 8375), (101, 8432), (139, 8639), (141, 8645), (154, 8699), (168, 8774), (172, 8786),

Gene: MaryV_30 Start: 12944, Stop: 14122, Start Num: 9
Candidate Starts for MaryV_30:
(Start: 9 @12944 has 108 MA's), (13, 12974), (18, 12995), (20, 13010), (25, 13028), (31, 13082), (32, 13088), (50, 13199), (54, 13217), (58, 13235), (70, 13292), (77, 13325), (111, 13457), (113, 13469), (115, 13484), (122, 13532), (133, 13595), (144, 13643), (151, 13670), (161, 13718), (164, 13730), (179, 13796), (218, 13925), (219, 13931), (221, 13961), (233, 14069), (239, 14117),

Gene: Maureen_6 Start: 5287, Stop: 6255, Start Num: 8
Candidate Starts for Maureen_6:
(Start: 8 @5287 has 222 MA's), (25, 5371), (29, 5398), (41, 5494), (42, 5497), (53, 5560), (58, 5581), (105, 5791), (109, 5812), (129, 5938), (142, 5992), (152, 6019), (157, 6046), (173, 6121), (177, 6139), (192, 6190),

Gene: Michkear_10 Start: 8803, Stop: 9777, Start Num: 8
Candidate Starts for Michkear_10:
(Start: 8 @8803 has 222 MA's), (29, 8914), (42, 9013), (46, 9037), (51, 9061), (71, 9157), (86, 9217), (106, 9319), (109, 9334), (126, 9442), (129, 9460), (142, 9514), (152, 9541), (173, 9643), (185, 9685), (195, 9718), (210, 9757),

Gene: MicyPS_6 Start: 5936, Stop: 6847, Start Num: 9
Candidate Starts for MicyPS_6:
(Start: 9 @5936 has 108 MA's), (22, 6008), (23, 6011), (35, 6092), (58, 6215), (60, 6227), (67, 6263), (117, 6476), (133, 6569), (171, 6734),

Gene: Miley16_8 Start: 6070, Stop: 7218, Start Num: 9

Candidate Starts for Miley16_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: MiniLon_9 Start: 6207, Stop: 7367, Start Num: 8
Candidate Starts for MiniLon_9:
(Start: 8 @6207 has 222 MA's), (21, 6285), (25, 6300), (31, 6354), (32, 6360), (41, 6417), (47, 6450), (59, 6507), (65, 6540), (67, 6549), (103, 6675), (121, 6786), (127, 6834), (152, 6924), (174, 7032), (179, 7053), (231, 7293), (234, 7311),

Gene: MiniMac_9 Start: 6208, Stop: 7368, Start Num: 8
Candidate Starts for MiniMac_9:
(Start: 8 @6208 has 222 MA's), (21, 6286), (25, 6301), (31, 6355), (32, 6361), (41, 6418), (47, 6451), (59, 6508), (65, 6541), (67, 6550), (103, 6676), (121, 6787), (127, 6835), (152, 6925), (174, 7033), (179, 7054), (231, 7294), (234, 7312),

Gene: MiniMommy_6 Start: 5155, Stop: 6096, Start Num: 8
Candidate Starts for MiniMommy_6:
(Start: 8 @5155 has 222 MA's), (18, 5206), (38, 5347), (46, 5389), (58, 5446), (63, 5479), (70, 5503), (74, 5527), (109, 5656), (126, 5764), (134, 5797), (148, 5848), (152, 5863), (165, 5935), (172, 5959), (177, 5980), (195, 6037), (209, 6070),

Gene: MissSwiss_7 Start: 6842, Stop: 7783, Start Num: 8
Candidate Starts for MissSwiss_7:
(Start: 8 @6842 has 222 MA's), (18, 6893), (31, 6980), (41, 7046), (46, 7073), (58, 7130), (67, 7178), (70, 7187), (94, 7274), (101, 7301), (110, 7343), (139, 7499), (158, 7574), (165, 7619), (172, 7643), (173, 7646), (179, 7673), (185, 7688), (194, 7718), (209, 7754),

Gene: MkaliMitinis3_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for MkaliMitinis3_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: ModicumRichard_7 Start: 5963, Stop: 6880, Start Num: 9
Candidate Starts for ModicumRichard_7:
(Start: 9 @5963 has 108 MA's), (22, 6035), (35, 6122), (105, 6440), (130, 6593), (134, 6605), (146, 6653), (163, 6731), (169, 6761), (184, 6812),

Gene: Molivier_8 Start: 6076, Stop: 7224, Start Num: 9
Candidate Starts for Molivier_8:
(Start: 9 @6076 has 108 MA's), (11, 6091), (25, 6160), (31, 6214), (47, 6310), (63, 6394), (94, 6505), (103, 6535), (105, 6550), (110, 6574), (113, 6589), (125, 6676), (127, 6694), (128, 6700), (152, 6784), (160, 6829), (174, 6892), (179, 6913), (193, 6946), (208, 6982), (221, 7057), (229, 7123), (231, 7150),

Gene: Moostard_9 Start: 6196, Stop: 7356, Start Num: 8
Candidate Starts for Moostard_9:
(Start: 8 @6196 has 222 MA's), (21, 6274), (25, 6289), (31, 6343), (32, 6349), (41, 6406), (47, 6439), (59, 6496), (65, 6529), (67, 6538), (103, 6664), (127, 6823), (152, 6913), (174, 7021), (179, 7042), (190, 7066), (227, 7234), (229, 7255), (234, 7300),

Gene: Morgana_7 Start: 5968, Stop: 6885, Start Num: 9

Candidate Starts for Morgana_7:
(Start: 9 @5968 has 108 MA's), (22, 6040), (35, 6127), (105, 6445), (130, 6598), (134, 6610), (163, 6736), (169, 6766),

Gene: Moss_7 Start: 6333, Stop: 7259, Start Num: 8
Candidate Starts for Moss_7:
(Start: 8 @6333 has 222 MA's), (33, 6483), (37, 6498), (47, 6570), (71, 6681), (94, 6765), (101, 6792), (110, 6834), (129, 6957), (139, 6990), (148, 7023), (173, 7140), (179, 7167), (200, 7212), (209, 7236),

Gene: MrMagoo_22 Start: 10388, Stop: 11554, Start Num: 9
Candidate Starts for MrMagoo_22:
(Start: 9 @10388 has 108 MA's), (25, 10472), (28, 10496), (33, 10538), (40, 10592), (50, 10643), (60, 10691), (67, 10727), (70, 10736), (74, 10760), (86, 10796), (97, 10832), (108, 10886), (118, 10940), (128, 11018), (129, 11021), (144, 11081), (151, 11108), (156, 11135), (160, 11153), (173, 11210), (177, 11228), (183, 11249), (191, 11282), (224, 11417), (226, 11447), (228, 11468), (230, 11480),

Gene: MsGreen_9 Start: 6200, Stop: 7360, Start Num: 8
Candidate Starts for MsGreen_9:
(Start: 8 @6200 has 222 MA's), (21, 6278), (25, 6293), (31, 6347), (32, 6353), (41, 6410), (47, 6443), (59, 6500), (65, 6533), (67, 6542), (94, 6638), (103, 6668), (127, 6827), (152, 6917), (174, 7025), (179, 7046), (190, 7070), (227, 7238), (229, 7259), (234, 7304),

Gene: Mudpuppy_7 Start: 6820, Stop: 7767, Start Num: 8
Candidate Starts for Mudpuppy_7:
(Start: 8 @6820 has 222 MA's), (18, 6871), (25, 6904), (46, 7054), (63, 7144), (71, 7171), (74, 7192), (105, 7300), (109, 7321), (125, 7420), (126, 7429), (139, 7480), (158, 7558), (165, 7603), (166, 7606), (172, 7627), (179, 7657), (200, 7714), (209, 7738),

Gene: Mysterium_7 Start: 6334, Stop: 7260, Start Num: 8
Candidate Starts for Mysterium_7:
(Start: 8 @6334 has 222 MA's), (37, 6499), (47, 6571), (71, 6682), (94, 6766), (101, 6793), (110, 6835), (129, 6958), (139, 6991), (148, 7024), (173, 7141), (179, 7168), (200, 7213), (209, 7237),

Gene: Nabi_10 Start: 7218, Stop: 8291, Start Num: 8
Candidate Starts for Nabi_10:
(Start: 8 @7218 has 222 MA's), (101, 7710), (104, 7725), (154, 7977), (160, 8007), (179, 8091), (190, 8121), (215, 8199),

Gene: Nanodon_12 Start: 7410, Stop: 8483, Start Num: 8
Candidate Starts for Nanodon_12:
(Start: 8 @7410 has 222 MA's), (101, 7902), (108, 7938), (129, 8076), (141, 8115), (160, 8199), (172, 8253), (215, 8391),

Gene: Nanosmite_22 Start: 10604, Stop: 11770, Start Num: 9
Candidate Starts for Nanosmite_22:
(Start: 9 @10604 has 108 MA's), (25, 10688), (33, 10754), (40, 10808), (41, 10811), (60, 10907), (67, 10943), (74, 10976), (105, 11084), (118, 11156), (128, 11234), (129, 11237), (144, 11297), (151, 11324), (156, 11351), (160, 11369), (173, 11426), (177, 11444), (183, 11465), (191, 11498), (226, 11663), (228, 11684), (230, 11696),

Gene: Nerdos_10 Start: 7251, Stop: 8324, Start Num: 8
Candidate Starts for Nerdos_10:

(Start: 8 @7251 has 222 MA's), (64, 7602), (88, 7698), (101, 7743), (104, 7758), (132, 7926), (154, 8010), (160, 8040), (172, 8094), (190, 8154), (224, 8292),

Gene: Netyap_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Netyap_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: Neville_16 Start: 9483, Stop: 10430, Start Num: 9
Candidate Starts for Neville_16:
(Start: 9 @9483 has 108 MA's), (18, 9534), (43, 9705), (47, 9726), (110, 9990), (116, 10023), (123, 10080), (147, 10191),

Gene: Nicholas_9 Start: 6200, Stop: 7360, Start Num: 8
Candidate Starts for Nicholas_9:
(Start: 8 @6200 has 222 MA's), (21, 6278), (25, 6293), (31, 6347), (32, 6353), (41, 6410), (47, 6443), (59, 6500), (65, 6533), (67, 6542), (94, 6638), (103, 6668), (127, 6827), (152, 6917), (174, 7025), (179, 7046), (190, 7070), (227, 7238), (229, 7259), (234, 7304),

Gene: Nicholasp3_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Nicholasp3_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: Niobe_7 Start: 6809, Stop: 7753, Start Num: 8
Candidate Starts for Niobe_7:
(Start: 8 @6809 has 222 MA's), (18, 6860), (31, 6947), (32, 6953), (38, 7001), (41, 7016), (46, 7043), (94, 7244), (125, 7409), (139, 7469), (158, 7547), (165, 7592), (168, 7604), (172, 7616), (173, 7619), (179, 7646), (195, 7694), (200, 7703), (209, 7727),

Gene: Nishikigoi_10 Start: 7041, Stop: 8087, Start Num: 8
Candidate Starts for Nishikigoi_10:
(Start: 8 @7041 has 222 MA's), (22, 7116), (59, 7338), (78, 7422), (101, 7506), (104, 7521), (154, 7773), (160, 7803), (172, 7857),

Gene: Nitro_7 Start: 6826, Stop: 7770, Start Num: 8
Candidate Starts for Nitro_7:
(Start: 8 @6826 has 222 MA's), (18, 6877), (31, 6964), (38, 7018), (46, 7060), (63, 7150), (71, 7177), (94, 7261), (125, 7426), (139, 7486), (165, 7609), (168, 7621), (172, 7633), (173, 7636), (179, 7663), (195, 7711), (200, 7720), (209, 7744),

Gene: ObLaDi_7 Start: 5963, Stop: 6880, Start Num: 9
Candidate Starts for ObLaDi_7:
(Start: 9 @5963 has 108 MA's), (22, 6035), (35, 6122), (105, 6440), (130, 6593), (134, 6605), (146, 6653), (163, 6731), (169, 6761), (184, 6812),

Gene: ObiToo_7 Start: 7019, Stop: 7966, Start Num: 8
Candidate Starts for ObiToo_7:
(Start: 8 @7019 has 222 MA's), (18, 7070), (32, 7163), (46, 7253), (63, 7343), (71, 7370), (72, 7379), (80, 7412), (94, 7454), (109, 7520), (125, 7619), (134, 7661), (165, 7802), (166, 7805), (172, 7826), (179, 7856), (195, 7904), (209, 7937),

Gene: Octobien14_17 Start: 10725, Stop: 11681, Start Num: 9
Candidate Starts for Octobien14_17:
(Start: 9 @10725 has 108 MA's), (17, 10770), (19, 10779), (59, 11025), (74, 11100), (87, 11139), (103, 11193), (110, 11232), (123, 11322), (128, 11361), (134, 11379), (147, 11433), (163, 11514), (166, 11532), (184, 11601), (205, 11661),

Gene: OhShagHennessy_8 Start: 6058, Stop: 7209, Start Num: 9
Candidate Starts for OhShagHennessy_8:
(Start: 9 @6058 has 108 MA's), (11, 6073), (17, 6103), (25, 6142), (31, 6196), (32, 6202), (47, 6292), (59, 6349), (63, 6376), (65, 6382), (105, 6532), (111, 6559), (127, 6676), (140, 6721), (160, 6811), (167, 6850), (173, 6868), (174, 6874), (179, 6895), (208, 6964), (229, 7105), (234, 7150),

Gene: Oliynyk_11 Start: 7414, Stop: 8487, Start Num: 8
Candidate Starts for Oliynyk_11:
(Start: 8 @7414 has 222 MA's), (64, 7765), (88, 7861), (101, 7906), (104, 7921), (132, 8089), (154, 8173), (160, 8203), (172, 8257), (190, 8317),

Gene: Omar_11 Start: 7265, Stop: 8311, Start Num: 8
Candidate Starts for Omar_11:
(Start: 8 @7265 has 222 MA's), (59, 7562), (101, 7730), (104, 7745), (154, 7997), (172, 8081), (188, 8132),

Gene: Origami_6 Start: 5146, Stop: 6090, Start Num: 8
Candidate Starts for Origami_6:
(Start: 8 @5146 has 222 MA's), (18, 5197), (25, 5230), (58, 5437), (70, 5494), (109, 5647), (126, 5755), (134, 5788), (152, 5854), (165, 5926), (172, 5950), (177, 5971), (209, 6061),

Gene: OverPar_8 Start: 6103, Stop: 7251, Start Num: 9
Candidate Starts for OverPar_8:
(Start: 9 @6103 has 108 MA's), (11, 6118), (25, 6187), (31, 6241), (47, 6337), (63, 6421), (94, 6532), (103, 6562), (105, 6577), (110, 6601), (113, 6616), (125, 6703), (127, 6721), (128, 6727), (152, 6811), (160, 6856), (174, 6919), (179, 6940), (193, 6973), (208, 7009), (221, 7084), (229, 7150), (231, 7177),

Gene: Ozzie_10 Start: 7231, Stop: 8304, Start Num: 8
Candidate Starts for Ozzie_10:
(Start: 8 @7231 has 222 MA's), (64, 7582), (88, 7678), (101, 7723), (104, 7738), (132, 7906), (154, 7990), (160, 8020), (172, 8074), (190, 8134), (224, 8272),

Gene: OzzyJ_11 Start: 7218, Stop: 8288, Start Num: 8
Candidate Starts for OzzyJ_11:
(Start: 8 @7218 has 222 MA's), (101, 7710), (108, 7746), (129, 7884), (154, 7977), (160, 8007), (172, 8061),

Gene: PSonyx_6 Start: 6028, Stop: 6939, Start Num: 9
Candidate Starts for PSonyx_6:
(Start: 9 @6028 has 108 MA's), (22, 6100), (35, 6184), (58, 6307), (67, 6355), (133, 6661), (167, 6814), (171, 6826), (203, 6928),

Gene: PYPDinur_8 Start: 5750, Stop: 6898, Start Num: 9
Candidate Starts for PYPDinur_8:
(Start: 9 @5750 has 108 MA's), (25, 5834), (31, 5888), (32, 5894), (40, 5948), (47, 5984), (51, 6002), (59, 6041), (65, 6074), (103, 6209), (105, 6224), (109, 6245), (111, 6251), (127, 6368), (128, 6374),

(152, 6458), (160, 6503), (163, 6518), (167, 6542), (173, 6560), (174, 6566), (178, 6584), (179, 6587), (196, 6626), (199, 6632), (208, 6656), (221, 6731), (229, 6797), (237, 6878),

Gene: Pablito_10 Start: 7102, Stop: 8154, Start Num: 8
Candidate Starts for Pablito_10:
(Start: 8 @7102 has 222 MA's), (64, 7426), (141, 7786), (154, 7840), (160, 7870), (172, 7924), (198, 8002), (215, 8062),

Gene: Paedore_10 Start: 7111, Stop: 8178, Start Num: 8
Candidate Starts for Paedore_10:
(Start: 8 @7111 has 222 MA's), (47, 7372), (64, 7456), (101, 7609), (104, 7624), (110, 7651), (129, 7783), (141, 7822), (172, 7963), (215, 8098),

Gene: PandaPo_7 Start: 6842, Stop: 7783, Start Num: 8
Candidate Starts for PandaPo_7:
(Start: 8 @6842 has 222 MA's), (18, 6893), (31, 6980), (41, 7046), (46, 7073), (58, 7130), (67, 7178), (70, 7187), (94, 7274), (101, 7301), (110, 7343), (139, 7499), (158, 7574), (165, 7619), (172, 7643), (173, 7646), (179, 7673), (185, 7688), (194, 7718), (209, 7754),

Gene: Paolo_12 Start: 7638, Stop: 8696, Start Num: 8
Candidate Starts for Paolo_12:
(Start: 8 @7638 has 222 MA's), (24, 7728), (64, 7968), (101, 8109), (139, 8316), (141, 8322), (154, 8376), (168, 8451), (172, 8463),

Gene: Pavo_11 Start: 7340, Stop: 8368, Start Num: 8
Candidate Starts for Pavo_11:
(Start: 8 @7340 has 222 MA's), (18, 7394), (30, 7475), (129, 7973), (154, 8066), (167, 8138), (173, 8156), (179, 8183), (216, 8300), (223, 8348),

Gene: PegLeg_18 Start: 9853, Stop: 11016, Start Num: 9
Candidate Starts for PegLeg_18:
(Start: 9 @9853 has 108 MA's), (25, 9937), (40, 10057), (41, 10060), (60, 10156), (63, 10177), (74, 10225), (89, 10270), (98, 10300), (105, 10333), (113, 10372), (128, 10483), (129, 10486), (131, 10492), (144, 10546), (151, 10573), (156, 10600), (160, 10618), (173, 10675), (177, 10693), (183, 10714), (191, 10747), (224, 10876), (229, 10930), (232, 10969),

Gene: Percival_7 Start: 6994, Stop: 7971, Start Num: 5
Candidate Starts for Percival_7:
(Start: 5 @6994 has 7 MA's), (25, 7093), (44, 7231), (51, 7267), (61, 7324), (63, 7336), (86, 7423), (125, 7615), (129, 7642), (146, 7705), (163, 7783), (168, 7810), (176, 7837), (186, 7870), (210, 7942),

Gene: Phettuccine_10 Start: 7251, Stop: 8324, Start Num: 8
Candidate Starts for Phettuccine_10:
(Start: 8 @7251 has 222 MA's), (64, 7602), (88, 7698), (101, 7743), (104, 7758), (132, 7926), (154, 8010), (160, 8040), (172, 8094), (190, 8154), (224, 8292),

Gene: Phives_8 Start: 7909, Stop: 8859, Start Num: 8
Candidate Starts for Phives_8:
(Start: 8 @7909 has 222 MA's), (18, 7960), (31, 8047), (38, 8101), (46, 8143), (66, 8242), (71, 8260), (80, 8302), (94, 8344), (105, 8389), (125, 8509), (158, 8647), (165, 8692), (168, 8704), (172, 8716), (179, 8746), (185, 8761), (209, 8827),

Gene: Pixelle_7 Start: 6852, Stop: 7802, Start Num: 8

Candidate Starts for Pixelle_7:
(Start: 8 @6852 has 222 MA's), (18, 6903), (31, 6990), (38, 7044), (46, 7086), (66, 7185), (71, 7203), (87, 7263), (94, 7287), (105, 7332), (125, 7452), (158, 7590), (165, 7635), (168, 7647), (172, 7659), (179, 7689), (185, 7704), (209, 7770),

Gene: Ponzi_46 Start: 26481, Stop: 27572, Start Num: 8
Candidate Starts for Ponzi_46:
(4, 26469), (Start: 8 @26481 has 222 MA's), (49, 26796), (57, 26838), (82, 27003), (100, 27093), (118, 27186), (119, 27192), (129, 27261), (137, 27288), (153, 27345), (159, 27375), (162, 27396), (168, 27426), (175, 27450),

Gene: Poochiewood_8 Start: 6084, Stop: 7235, Start Num: 9
Candidate Starts for Poochiewood_8:
(Start: 9 @6084 has 108 MA's), (11, 6099), (17, 6129), (25, 6168), (31, 6222), (32, 6228), (47, 6318), (59, 6375), (63, 6402), (65, 6408), (105, 6558), (111, 6585), (127, 6702), (140, 6747), (160, 6837), (167, 6876), (173, 6894), (174, 6900), (179, 6921), (208, 6990), (229, 7131), (234, 7176),

Gene: Powerpuff_7 Start: 6871, Stop: 7818, Start Num: 8
Candidate Starts for Powerpuff_7:
(Start: 8 @6871 has 222 MA's), (18, 6922), (25, 6955), (46, 7105), (71, 7222), (105, 7351), (109, 7372), (125, 7471), (126, 7480), (139, 7531), (158, 7609), (165, 7654), (166, 7657), (172, 7678), (179, 7708), (185, 7723), (209, 7789),

Gene: Provolone_11 Start: 7070, Stop: 8098, Start Num: 8
Candidate Starts for Provolone_11:
(Start: 8 @7070 has 222 MA's), (18, 7124), (30, 7205), (129, 7703), (154, 7796), (167, 7868), (173, 7886), (179, 7913), (216, 8030), (223, 8078),

Gene: Puginator_12 Start: 7584, Stop: 8642, Start Num: 8
Candidate Starts for Puginator_12:
(Start: 8 @7584 has 222 MA's), (24, 7674), (64, 7914), (101, 8055), (139, 8262), (141, 8268), (154, 8322), (168, 8397), (172, 8409),

Gene: Pumpkins_7 Start: 6934, Stop: 7881, Start Num: 8
Candidate Starts for Pumpkins_7:
(Start: 8 @6934 has 222 MA's), (18, 6985), (31, 7072), (41, 7141), (63, 7258), (71, 7285), (94, 7369), (110, 7438), (111, 7441), (134, 7576), (166, 7720), (172, 7741), (179, 7771), (185, 7786), (197, 7822), (209, 7852),

Gene: Quby_8 Start: 5749, Stop: 6897, Start Num: 9
Candidate Starts for Quby_8:
(Start: 9 @5749 has 108 MA's), (25, 5833), (31, 5887), (32, 5893), (40, 5947), (47, 5983), (51, 6001), (59, 6040), (65, 6073), (94, 6178), (103, 6208), (105, 6223), (109, 6244), (111, 6250), (127, 6367), (128, 6373), (152, 6457), (160, 6502), (163, 6517), (167, 6541), (173, 6559), (174, 6565), (179, 6586), (190, 6610), (208, 6655), (221, 6730), (229, 6796), (237, 6877),

Gene: R4_10 Start: 7079, Stop: 8146, Start Num: 8
Candidate Starts for R4_10:
(Start: 8 @7079 has 222 MA's), (47, 7340), (64, 7424), (101, 7577), (104, 7592), (110, 7619), (129, 7751), (141, 7790), (172, 7931), (215, 8066),

Gene: Rabbitrun_18 Start: 10006, Stop: 10953, Start Num: 9
Candidate Starts for Rabbitrun_18:

(Start: 9 @10006 has 108 MA's), (18, 10057), (43, 10228), (110, 10513), (116, 10546), (123, 10603), (129, 10645), (163, 10789), (184, 10876),

Gene: Rana_10 Start: 7218, Stop: 8291, Start Num: 8
Candidate Starts for Rana_10:
(Start: 8 @7218 has 222 MA's), (101, 7710), (104, 7725), (154, 7977), (160, 8007), (179, 8091), (190, 8121), (215, 8199),

Gene: Red305_9 Start: 6200, Stop: 7360, Start Num: 8
Candidate Starts for Red305_9:
(Start: 8 @6200 has 222 MA's), (21, 6278), (25, 6293), (31, 6347), (32, 6353), (41, 6410), (47, 6443), (59, 6500), (65, 6533), (67, 6542), (94, 6638), (103, 6668), (127, 6827), (152, 6917), (174, 7025), (179, 7046), (190, 7070), (227, 7238), (229, 7259), (234, 7304),

Gene: RedBear_12 Start: 7494, Stop: 8567, Start Num: 8
Candidate Starts for RedBear_12:
(Start: 8 @7494 has 222 MA's), (101, 7986), (108, 8022), (129, 8160), (141, 8199), (160, 8283), (172, 8337), (215, 8475),

Gene: Reedo_7 Start: 6854, Stop: 7810, Start Num: 8
Candidate Starts for Reedo_7:
(Start: 8 @6854 has 222 MA's), (41, 7067), (46, 7094), (58, 7151), (67, 7199), (70, 7208), (105, 7349), (110, 7373), (126, 7478), (129, 7496), (134, 7511), (157, 7604), (165, 7652), (172, 7676), (181, 7712), (186, 7724), (204, 7772), (209, 7781),

Gene: Reindeer_16 Start: 9706, Stop: 10869, Start Num: 9
Candidate Starts for Reindeer_16:
(Start: 9 @9706 has 108 MA's), (25, 9790), (40, 9910), (41, 9913), (60, 10009), (63, 10030), (70, 10054), (86, 10114), (97, 10150), (98, 10153), (105, 10186), (113, 10225), (128, 10336), (129, 10339), (131, 10345), (144, 10399), (151, 10426), (156, 10453), (160, 10471), (173, 10528), (177, 10546), (179, 10555), (183, 10567), (191, 10600), (224, 10729), (229, 10783), (230, 10792), (233, 10825),

Gene: Rey_22 Start: 10623, Stop: 11789, Start Num: 9
Candidate Starts for Rey_22:
(Start: 9 @10623 has 108 MA's), (25, 10707), (28, 10731), (33, 10773), (40, 10827), (50, 10878), (60, 10926), (67, 10962), (74, 10995), (86, 11031), (97, 11067), (108, 11121), (114, 11154), (118, 11175), (128, 11253), (129, 11256), (144, 11316), (151, 11343), (156, 11370), (160, 11388), (173, 11445), (177, 11463), (183, 11484), (191, 11517), (224, 11652), (226, 11682),

Gene: RockScotty_7 Start: 6333, Stop: 7259, Start Num: 8
Candidate Starts for RockScotty_7:
(Start: 8 @6333 has 222 MA's), (33, 6483), (37, 6498), (47, 6570), (71, 6681), (94, 6765), (101, 6792), (110, 6834), (129, 6957), (139, 6990), (148, 7023), (173, 7140), (179, 7167), (200, 7212), (209, 7236),

Gene: Rose5_8 Start: 6084, Stop: 7235, Start Num: 9
Candidate Starts for Rose5_8:
(Start: 9 @6084 has 108 MA's), (11, 6099), (17, 6129), (25, 6168), (31, 6222), (32, 6228), (47, 6318), (59, 6375), (63, 6402), (65, 6408), (105, 6558), (111, 6585), (127, 6702), (140, 6747), (160, 6837), (167, 6876), (173, 6894), (174, 6900), (179, 6921), (208, 6990), (229, 7131), (234, 7176),

Gene: RoseMarie_18 Start: 10097, Stop: 11260, Start Num: 9
Candidate Starts for RoseMarie_18:

(Start: 9 @10097 has 108 MA's), (25, 10181), (40, 10301), (41, 10304), (60, 10400), (63, 10421), (70, 10445), (86, 10505), (98, 10544), (105, 10577), (108, 10595), (113, 10616), (128, 10727), (129, 10730), (144, 10790), (151, 10817), (156, 10844), (160, 10862), (177, 10937), (183, 10958), (191, 10991), (212, 11048), (224, 11120), (229, 11174), (233, 11216), (235, 11225),

Gene: Rossetti_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Rossetti_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (228, 7114), (229, 7117), (237, 7198),

Gene: Rumpelstiltskin_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Rumpelstiltskin_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: RunningOnE_64 Start: 31699, Stop: 32793, Start Num: 8
Candidate Starts for RunningOnE_64:
(Start: 8 @31699 has 222 MA's), (33, 31870), (45, 31990), (57, 32053), (68, 32119), (91, 32263), (95, 32287), (100, 32308), (119, 32407), (137, 32503), (153, 32560), (155, 32569), (157, 32581), (159, 32590), (162, 32611), (175, 32665),

Gene: Rusticus_11 Start: 7414, Stop: 8487, Start Num: 8
Candidate Starts for Rusticus_11:
(Start: 8 @7414 has 222 MA's), (64, 7765), (88, 7861), (101, 7906), (104, 7921), (132, 8089), (154, 8173), (160, 8203), (172, 8257), (190, 8317),

Gene: Sabourin_7 Start: 6242, Stop: 7168, Start Num: 8
Candidate Starts for Sabourin_7:
(Start: 8 @6242 has 222 MA's), (33, 6392), (37, 6407), (47, 6479), (71, 6590), (94, 6674), (101, 6701), (110, 6743), (126, 6848), (129, 6866), (139, 6899), (148, 6932), (173, 7049), (179, 7076), (192, 7112), (209, 7145),

Gene: Saftant_10 Start: 7346, Stop: 8374, Start Num: 8
Candidate Starts for Saftant_10:
(Start: 8 @7346 has 222 MA's), (18, 7400), (55, 7622), (120, 7910), (129, 7979), (154, 8072), (167, 8144), (173, 8162), (179, 8189), (198, 8237), (216, 8306), (223, 8354),

Gene: Samty_9 Start: 6196, Stop: 7356, Start Num: 8
Candidate Starts for Samty_9:
(Start: 8 @6196 has 222 MA's), (21, 6274), (25, 6289), (31, 6343), (32, 6349), (41, 6406), (47, 6439), (59, 6496), (65, 6529), (67, 6538), (103, 6664), (127, 6823), (152, 6913), (174, 7021), (179, 7042), (190, 7066), (227, 7234), (229, 7255), (234, 7300),

Gene: SarahRose_10 Start: 7220, Stop: 8293, Start Num: 8
Candidate Starts for SarahRose_10:
(Start: 8 @7220 has 222 MA's), (101, 7712), (104, 7727), (152, 7967), (154, 7979), (160, 8009), (172, 8063), (215, 8201),

Gene: Sarshaun_8 Start: 6103, Stop: 7251, Start Num: 9
Candidate Starts for Sarshaun_8:

(Start: 9 @6103 has 108 MA's), (11, 6118), (25, 6187), (31, 6241), (47, 6337), (63, 6421), (94, 6532), (103, 6562), (105, 6577), (110, 6601), (113, 6616), (125, 6703), (127, 6721), (128, 6727), (152, 6811), (160, 6856), (174, 6919), (179, 6940), (193, 6973), (208, 7009), (221, 7084), (229, 7150), (231, 7177),

Gene: Schaffner_7 Start: 6931, Stop: 7878, Start Num: 8
Candidate Starts for Schaffner_7:
(Start: 8 @6931 has 222 MA's), (18, 6982), (31, 7069), (63, 7255), (71, 7282), (94, 7366), (110, 7435), (111, 7438), (134, 7573), (165, 7714), (166, 7717), (172, 7738), (177, 7759), (179, 7768), (209, 7849),

Gene: Sephiroth_17 Start: 9830, Stop: 10789, Start Num: 9
Candidate Starts for Sephiroth_17:
(Start: 9 @9830 has 108 MA's), (17, 9875), (19, 9884), (59, 10130), (74, 10205), (87, 10244), (103, 10298), (110, 10337), (123, 10427), (147, 10538), (157, 10586), (163, 10619), (166, 10637), (184, 10706), (202, 10754),

Gene: ShakeItOph_6 Start: 5155, Stop: 6096, Start Num: 8
Candidate Starts for ShakeItOph_6:
(Start: 8 @5155 has 222 MA's), (18, 5206), (38, 5347), (46, 5389), (58, 5446), (63, 5479), (70, 5503), (74, 5527), (109, 5656), (126, 5764), (134, 5797), (148, 5848), (152, 5863), (165, 5935), (172, 5959), (177, 5980), (195, 6037), (209, 6070),

Gene: Sheng711_8 Start: 5750, Stop: 6898, Start Num: 9
Candidate Starts for Sheng711_8:
(Start: 9 @5750 has 108 MA's), (25, 5834), (31, 5888), (32, 5894), (40, 5948), (47, 5984), (51, 6002), (59, 6041), (65, 6074), (103, 6209), (105, 6224), (109, 6245), (111, 6251), (127, 6368), (128, 6374), (152, 6458), (160, 6503), (163, 6518), (167, 6542), (173, 6560), (174, 6566), (178, 6584), (179, 6587), (196, 6626), (199, 6632), (208, 6656), (221, 6731), (229, 6797), (237, 6878),

Gene: Silverleaf_8 Start: 6084, Stop: 7235, Start Num: 9
Candidate Starts for Silverleaf_8:
(Start: 9 @6084 has 108 MA's), (11, 6099), (17, 6129), (25, 6168), (31, 6222), (32, 6228), (47, 6318), (59, 6375), (63, 6402), (65, 6408), (105, 6558), (111, 6585), (127, 6702), (140, 6747), (160, 6837), (167, 6876), (173, 6894), (174, 6900), (179, 6921), (208, 6990), (229, 7131), (234, 7176),

Gene: Simpson_7 Start: 6821, Stop: 7768, Start Num: 8
Candidate Starts for Simpson_7:
(Start: 8 @6821 has 222 MA's), (18, 6872), (25, 6905), (32, 6965), (38, 7013), (46, 7055), (71, 7172), (94, 7256), (105, 7301), (109, 7322), (125, 7421), (134, 7463), (152, 7529), (158, 7559), (165, 7604), (168, 7616), (173, 7631), (179, 7658), (195, 7706), (209, 7739),

Gene: Skelbel_7 Start: 6809, Stop: 7753, Start Num: 8
Candidate Starts for Skelbel_7:
(Start: 8 @6809 has 222 MA's), (18, 6860), (31, 6947), (38, 7001), (46, 7043), (63, 7133), (71, 7160), (94, 7244), (105, 7289), (125, 7409), (134, 7451), (139, 7469), (158, 7547), (165, 7592), (168, 7604), (172, 7616), (173, 7619), (179, 7646), (195, 7694), (200, 7703), (209, 7727),

Gene: Skinny_19 Start: 9854, Stop: 11017, Start Num: 9
Candidate Starts for Skinny_19:
(Start: 9 @9854 has 108 MA's), (25, 9938), (40, 10058), (41, 10061), (60, 10157), (63, 10178), (74, 10226), (89, 10271), (98, 10301), (105, 10334), (113, 10373), (128, 10484), (129, 10487), (131, 10493), (144, 10547), (151, 10574), (156, 10601), (160, 10619), (173, 10676), (177, 10694), (183, 10715), (191, 10748), (224, 10877), (229, 10931), (232, 10970),

Gene: SlimJimmy_17 Start: 9853, Stop: 11016, Start Num: 9
Candidate Starts for SlimJimmy_17:
(Start: 9 @9853 has 108 MA's), (25, 9937), (40, 10057), (41, 10060), (60, 10156), (63, 10177), (74, 10225), (89, 10270), (98, 10300), (105, 10333), (113, 10372), (128, 10483), (129, 10486), (131, 10492), (144, 10546), (151, 10573), (156, 10600), (160, 10618), (173, 10675), (177, 10693), (183, 10714), (191, 10747), (224, 10876), (229, 10930), (232, 10969),

Gene: Snek_7 Start: 5954, Stop: 6895, Start Num: 8
Candidate Starts for Snek_7:
(Start: 8 @5954 has 222 MA's), (18, 6011), (31, 6098), (41, 6167), (46, 6194), (53, 6230), (58, 6251), (63, 6284), (71, 6311), (80, 6353), (99, 6416), (105, 6443), (110, 6467), (129, 6590), (142, 6644), (165, 6746), (172, 6770), (195, 6848),

Gene: Snenia_9 Start: 6201, Stop: 7361, Start Num: 8
Candidate Starts for Snenia_9:
(Start: 8 @6201 has 222 MA's), (21, 6279), (25, 6294), (31, 6348), (32, 6354), (41, 6411), (47, 6444), (59, 6501), (65, 6534), (67, 6543), (94, 6639), (103, 6669), (127, 6828), (152, 6918), (174, 7026), (179, 7047), (190, 7071), (227, 7239), (229, 7260), (234, 7305),

Gene: Snorlax_10 Start: 7220, Stop: 8293, Start Num: 8
Candidate Starts for Snorlax_10:
(Start: 8 @7220 has 222 MA's), (101, 7712), (104, 7727), (152, 7967), (154, 7979), (160, 8009), (172, 8063), (215, 8201),

Gene: SoJulia_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for SoJulia_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: Soap141_8 Start: 6103, Stop: 7251, Start Num: 9
Candidate Starts for Soap141_8:
(Start: 9 @6103 has 108 MA's), (11, 6118), (25, 6187), (31, 6241), (47, 6337), (63, 6421), (94, 6532), (103, 6562), (105, 6577), (110, 6601), (113, 6616), (125, 6703), (127, 6721), (128, 6727), (152, 6811), (160, 6856), (174, 6919), (179, 6940), (193, 6973), (208, 7009), (221, 7084), (229, 7150), (231, 7177),

Gene: Soondubu_7 Start: 6844, Stop: 7797, Start Num: 8
Candidate Starts for Soondubu_7:
(Start: 8 @6844 has 222 MA's), (16, 6889), (31, 6988), (36, 7012), (41, 7054), (42, 7057), (80, 7240), (105, 7327), (109, 7348), (128, 7471), (154, 7567), (172, 7654), (179, 7684), (185, 7699), (195, 7732), (209, 7765),

Gene: Sooty_7 Start: 6243, Stop: 7169, Start Num: 8
Candidate Starts for Sooty_7:
(Start: 8 @6243 has 222 MA's), (33, 6393), (37, 6408), (47, 6480), (71, 6591), (94, 6675), (101, 6702), (110, 6744), (126, 6849), (129, 6867), (139, 6900), (148, 6933), (173, 7050), (179, 7077), (192, 7113), (209, 7146),

Gene: South40_11 Start: 7494, Stop: 8567, Start Num: 8
Candidate Starts for South40_11:
(Start: 8 @7494 has 222 MA's), (101, 7986), (108, 8022), (129, 8160), (141, 8199), (160, 8283), (172, 8337), (215, 8475),

Gene: SpecialK_7 Start: 6240, Stop: 7166, Start Num: 8
Candidate Starts for SpecialK_7:
(Start: 8 @6240 has 222 MA's), (33, 6390), (37, 6405), (47, 6477), (71, 6588), (94, 6672), (101, 6699), (110, 6741), (129, 6864), (139, 6897), (148, 6930), (173, 7047), (179, 7074), (200, 7119), (209, 7143),

Gene: Speedwell_15 Start: 9032, Stop: 10111, Start Num: 8
Candidate Starts for Speedwell_15:
(Start: 8 @9032 has 222 MA's), (18, 9086), (30, 9167), (40, 9260), (51, 9314), (84, 9461), (129, 9689), (167, 9854), (173, 9872), (179, 9899), (225, 10079),

Gene: Spocter_7 Start: 5809, Stop: 6744, Start Num: 9
Candidate Starts for Spocter_7:
(Start: 9 @5809 has 108 MA's), (22, 5881), (52, 6055), (67, 6130), (79, 6178), (81, 6187), (85, 6205), (101, 6289), (105, 6307), (126, 6439), (130, 6460), (169, 6625),

Gene: SqueakyClean_11 Start: 7349, Stop: 8395, Start Num: 8
Candidate Starts for SqueakyClean_11:
(Start: 8 @7349 has 222 MA's), (59, 7646), (64, 7673), (101, 7814), (104, 7829), (129, 7988), (154, 8081), (172, 8165), (215, 8303),

Gene: Stuu_7 Start: 6333, Stop: 7259, Start Num: 8
Candidate Starts for Stuu_7:
(Start: 8 @6333 has 222 MA's), (33, 6483), (37, 6498), (47, 6570), (71, 6681), (94, 6765), (101, 6792), (110, 6834), (129, 6957), (139, 6990), (148, 7023), (173, 7140), (179, 7167), (200, 7212), (209, 7236),

Gene: SuMoo_6 Start: 5326, Stop: 6291, Start Num: 8
Candidate Starts for SuMoo_6:
(Start: 8 @5326 has 222 MA's), (15, 5365), (25, 5413), (51, 5587), (105, 5818), (134, 5980), (142, 6019), (146, 6028), (161, 6097), (163, 6106), (173, 6148), (176, 6160), (210, 6265),

Gene: Subaru_7 Start: 6809, Stop: 7753, Start Num: 8
Candidate Starts for Subaru_7:
(Start: 8 @6809 has 222 MA's), (18, 6860), (31, 6947), (38, 7001), (46, 7043), (63, 7133), (71, 7160), (94, 7244), (105, 7289), (125, 7409), (134, 7451), (139, 7469), (158, 7547), (165, 7592), (168, 7604), (172, 7616), (173, 7619), (179, 7646), (195, 7694), (200, 7703), (209, 7727),

Gene: Sudan_10 Start: 7347, Stop: 8375, Start Num: 8
Candidate Starts for Sudan_10:
(Start: 8 @7347 has 222 MA's), (18, 7401), (30, 7482), (129, 7980), (154, 8073), (167, 8145), (173, 8163), (179, 8190), (216, 8307), (223, 8355),

Gene: Sue2_7 Start: 6842, Stop: 7795, Start Num: 8
Candidate Starts for Sue2_7:
(Start: 8 @6842 has 222 MA's), (42, 7058), (46, 7082), (53, 7118), (58, 7139), (63, 7172), (71, 7199), (77, 7229), (129, 7484), (134, 7499), (158, 7595), (173, 7667), (176, 7679), (181, 7700), (197, 7745), (204, 7760), (209, 7769), (210, 7775),

Gene: Sujidade_11 Start: 7516, Stop: 8589, Start Num: 8
Candidate Starts for Sujidade_11:
(Start: 8 @7516 has 222 MA's), (101, 8008), (104, 8023), (129, 8182), (154, 8275), (160, 8305), (172, 8359), (215, 8497),

Gene: SunkenRoot_10 Start: 7405, Stop: 8487, Start Num: 8

Candidate Starts for SunkenRoot_10:
(Start: 8 @7405 has 222 MA's), (18, 7462), (129, 8065), (167, 8230), (173, 8248), (179, 8275), (182, 8284),

Gene: SunsetPointe_10 Start: 7250, Stop: 8314, Start Num: 8
Candidate Starts for SunsetPointe_10:
(Start: 8 @7250 has 222 MA's), (64, 7595), (101, 7736), (104, 7751), (132, 7919), (141, 7949), (154, 8003), (160, 8033), (172, 8087), (215, 8222),

Gene: SuperHands_7 Start: 7166, Stop: 8143, Start Num: 5
Candidate Starts for SuperHands_7:
(Start: 5 @7166 has 7 MA's), (25, 7265), (44, 7403), (51, 7439), (61, 7496), (63, 7508), (86, 7595), (125, 7787), (129, 7814), (146, 7877), (163, 7955), (168, 7982), (176, 8009), (187, 8045), (189, 8054), (210, 8114),

Gene: Superstar_12 Start: 8160, Stop: 9218, Start Num: 8
Candidate Starts for Superstar_12:
(Start: 8 @8160 has 222 MA's), (64, 8490), (103, 8634), (122, 8754), (139, 8838), (141, 8844), (173, 8988), (206, 9087), (215, 9126),

Gene: Syleon_17 Start: 9752, Stop: 10711, Start Num: 9
Candidate Starts for Syleon_17:
(Start: 9 @9752 has 108 MA's), (17, 9797), (19, 9806), (59, 10052), (74, 10127), (87, 10166), (110, 10259), (123, 10349), (147, 10460), (157, 10508), (163, 10541), (166, 10559), (173, 10583), (202, 10676),

Gene: TagePhighter_11 Start: 7220, Stop: 8293, Start Num: 8
Candidate Starts for TagePhighter_11:
(Start: 8 @7220 has 222 MA's), (101, 7712), (104, 7727), (152, 7967), (154, 7979), (160, 8009), (172, 8063), (215, 8201),

Gene: Tallboi_7 Start: 6841, Stop: 7788, Start Num: 8
Candidate Starts for Tallboi_7:
(Start: 8 @6841 has 222 MA's), (18, 6892), (31, 6979), (38, 7033), (46, 7075), (66, 7174), (71, 7192), (74, 7213), (80, 7234), (110, 7345), (111, 7348), (125, 7441), (134, 7483), (158, 7579), (165, 7624), (168, 7636), (172, 7648), (179, 7678), (195, 7726), (209, 7759),

Gene: Taotie_6 Start: 6925, Stop: 7836, Start Num: 9
Candidate Starts for Taotie_6:
(Start: 9 @6925 has 108 MA's), (22, 6997), (35, 7081), (58, 7204), (67, 7252), (133, 7558), (167, 7711), (171, 7723), (203, 7825),

Gene: Tbone_7 Start: 6817, Stop: 7764, Start Num: 8
Candidate Starts for Tbone_7:
(Start: 8 @6817 has 222 MA's), (18, 6868), (25, 6901), (46, 7051), (63, 7141), (71, 7168), (74, 7189), (105, 7297), (109, 7318), (125, 7417), (126, 7426), (139, 7477), (158, 7555), (165, 7600), (166, 7603), (172, 7624), (179, 7654), (200, 7711), (209, 7735),

Gene: Tefunt_10 Start: 7041, Stop: 8087, Start Num: 8
Candidate Starts for Tefunt_10:
(Start: 8 @7041 has 222 MA's), (22, 7116), (59, 7338), (78, 7422), (101, 7506), (104, 7521), (154, 7773), (160, 7803), (172, 7857), (179, 7887),

Gene: TforTroy_7 Start: 6957, Stop: 7907, Start Num: 8
Candidate Starts for TforTroy_7:
(Start: 8 @6957 has 222 MA's), (13, 6987), (18, 7008), (47, 7197), (72, 7317), (105, 7437), (110, 7461), (111, 7464), (134, 7599), (165, 7740), (166, 7743), (172, 7764), (179, 7794), (185, 7809), (197, 7845), (209, 7875),

Gene: Thestral_11 Start: 7104, Stop: 8162, Start Num: 8
Candidate Starts for Thestral_11:
(Start: 8 @7104 has 222 MA's), (64, 7434), (83, 7512), (103, 7578), (160, 7875), (173, 7932),

Gene: ThursdayNight_6 Start: 5353, Stop: 6318, Start Num: 8
Candidate Starts for ThursdayNight_6:
(Start: 8 @5353 has 222 MA's), (24, 5434), (41, 5560), (42, 5563), (78, 5740), (86, 5767), (105, 5854), (106, 5860), (109, 5875), (192, 6253),

Gene: Tian_7 Start: 6849, Stop: 7799, Start Num: 8
Candidate Starts for Tian_7:
(Start: 8 @6849 has 222 MA's), (18, 6900), (38, 7041), (46, 7083), (71, 7200), (105, 7329), (111, 7356), (125, 7449), (158, 7587), (165, 7632), (168, 7644), (172, 7656), (179, 7686), (185, 7701), (200, 7743), (209, 7767),

Gene: TinaBelcher_10 Start: 7052, Stop: 8110, Start Num: 8
Candidate Starts for TinaBelcher_10:
(Start: 8 @7052 has 222 MA's), (64, 7382), (83, 7460), (103, 7526), (173, 7880),

Gene: Toma_10 Start: 7221, Stop: 8297, Start Num: 8
Candidate Starts for Toma_10:
(Start: 8 @7221 has 222 MA's), (101, 7719), (108, 7755), (129, 7893), (141, 7932), (160, 8016), (161, 8022), (179, 8100), (215, 8205),

Gene: Tourach_8 Start: 6084, Stop: 7232, Start Num: 9
Candidate Starts for Tourach_8:
(Start: 9 @6084 has 108 MA's), (11, 6099), (17, 6129), (25, 6168), (31, 6222), (47, 6318), (59, 6375), (63, 6402), (65, 6408), (103, 6543), (105, 6558), (110, 6582), (113, 6597), (125, 6684), (127, 6702), (128, 6708), (152, 6792), (160, 6837), (174, 6900), (179, 6921), (190, 6945), (193, 6954), (208, 6990), (229, 7131), (230, 7140), (231, 7158),

Gene: TpudiCK_19 Start: 9853, Stop: 11016, Start Num: 9
Candidate Starts for TpudiCK_19:
(Start: 9 @9853 has 108 MA's), (25, 9937), (40, 10057), (41, 10060), (60, 10156), (63, 10177), (74, 10225), (89, 10270), (98, 10300), (105, 10333), (113, 10372), (128, 10483), (129, 10486), (131, 10492), (144, 10546), (151, 10573), (156, 10600), (160, 10618), (173, 10675), (177, 10693), (183, 10714), (191, 10747), (224, 10876), (229, 10930), (232, 10969),

Gene: Trax_16 Start: 9483, Stop: 10430, Start Num: 9
Candidate Starts for Trax_16:
(Start: 9 @9483 has 108 MA's), (18, 9534), (43, 9705), (47, 9726), (110, 9990), (116, 10023), (123, 10080), (129, 10122), (147, 10191),

Gene: TriFive_9 Start: 6200, Stop: 7360, Start Num: 8
Candidate Starts for TriFive_9:
(Start: 8 @6200 has 222 MA's), (21, 6278), (25, 6293), (31, 6347), (32, 6353), (41, 6410), (47, 6443), (59, 6500), (65, 6533), (67, 6542), (94, 6638), (103, 6668), (127, 6827), (152, 6917), (174, 7025), (179,

7046), (190, 7070), (227, 7238), (229, 7259), (234, 7304),

Gene: Triste_10 Start: 7218, Stop: 8288, Start Num: 8
Candidate Starts for Triste_10:
(Start: 8 @7218 has 222 MA's), (101, 7710), (108, 7746), (129, 7884), (154, 7977), (160, 8007), (172, 8061),

Gene: Triumph_12 Start: 7111, Stop: 8184, Start Num: 8
Candidate Starts for Triumph_12:
(Start: 8 @7111 has 222 MA's), (64, 7462), (160, 7900), (173, 7957), (186, 7999), (188, 8005), (206, 8053),

Gene: TrvxScott_9 Start: 7053, Stop: 8111, Start Num: 8
Candidate Starts for TrvxScott_9:
(Start: 8 @7053 has 222 MA's), (64, 7383), (83, 7461), (103, 7527), (173, 7881),

Gene: TuanPN_10 Start: 7224, Stop: 8297, Start Num: 8
Candidate Starts for TuanPN_10:
(Start: 8 @7224 has 222 MA's), (101, 7716), (104, 7731), (129, 7890), (154, 7983), (160, 8013), (172, 8067), (215, 8205),

Gene: Tuck_8 Start: 7878, Stop: 8813, Start Num: 8
Candidate Starts for Tuck_8:
(Start: 8 @7878 has 222 MA's), (18, 7929), (32, 8022), (46, 8112), (71, 8229), (94, 8313), (105, 8358), (125, 8478), (134, 8520), (139, 8538), (158, 8616), (166, 8664), (172, 8685), (179, 8715), (195, 8763), (209, 8796),

Gene: Turab_7 Start: 6835, Stop: 7782, Start Num: 8
Candidate Starts for Turab_7:
(Start: 8 @6835 has 222 MA's), (17, 6880), (18, 6886), (32, 6979), (38, 7027), (46, 7069), (66, 7168), (71, 7186), (74, 7207), (80, 7228), (105, 7315), (125, 7435), (134, 7477), (158, 7573), (165, 7618), (168, 7630), (172, 7642), (179, 7672), (195, 7720), (209, 7753),

Gene: Tutumahutu_7 Start: 6871, Stop: 7818, Start Num: 8
Candidate Starts for Tutumahutu_7:
(Start: 8 @6871 has 222 MA's), (18, 6922), (25, 6955), (46, 7105), (71, 7222), (105, 7351), (109, 7372), (125, 7471), (126, 7480), (139, 7531), (158, 7609), (165, 7654), (166, 7657), (172, 7678), (179, 7708), (185, 7723), (209, 7789),

Gene: Tweety19_7 Start: 5953, Stop: 6894, Start Num: 8
Candidate Starts for Tweety19_7:
(Start: 8 @5953 has 222 MA's), (18, 6010), (31, 6097), (41, 6166), (46, 6193), (53, 6229), (58, 6250), (63, 6283), (71, 6310), (80, 6352), (99, 6415), (105, 6442), (110, 6466), (129, 6589), (142, 6643), (165, 6745), (172, 6769), (195, 6847), (209, 6874),

Gene: TyDawg_18 Start: 9854, Stop: 11017, Start Num: 9
Candidate Starts for TyDawg_18:
(Start: 9 @9854 has 108 MA's), (25, 9938), (40, 10058), (41, 10061), (60, 10157), (63, 10178), (74, 10226), (89, 10271), (98, 10301), (105, 10334), (113, 10373), (128, 10484), (129, 10487), (131, 10493), (144, 10547), (151, 10574), (156, 10601), (160, 10619), (173, 10676), (177, 10694), (183, 10715), (191, 10748), (224, 10877), (229, 10931), (232, 10970),

Gene: Tyson_8 Start: 6084, Stop: 7235, Start Num: 9

Candidate Starts for Tyson_8:
(Start: 9 @6084 has 108 MA's), (11, 6099), (17, 6129), (25, 6168), (31, 6222), (32, 6228), (47, 6318), (59, 6375), (63, 6402), (65, 6408), (105, 6558), (111, 6585), (127, 6702), (140, 6747), (160, 6837), (167, 6876), (173, 6894), (174, 6900), (179, 6921), (208, 6990), (229, 7131), (234, 7176),

Gene: UPIE_8 Start: 6082, Stop: 7233, Start Num: 9
Candidate Starts for UPIE_8:
(Start: 9 @6082 has 108 MA's), (11, 6097), (17, 6127), (25, 6166), (31, 6220), (32, 6226), (47, 6316), (59, 6373), (63, 6400), (65, 6406), (105, 6556), (111, 6583), (127, 6700), (140, 6745), (160, 6835), (167, 6874), (173, 6892), (174, 6898), (179, 6919), (208, 6988), (229, 7129), (234, 7174),

Gene: Underpass_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Underpass_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: Unstoppable_10 Start: 7251, Stop: 8315, Start Num: 8
Candidate Starts for Unstoppable_10:
(Start: 8 @7251 has 222 MA's), (64, 7596), (101, 7737), (104, 7752), (132, 7920), (141, 7950), (154, 8004), (160, 8034), (172, 8088), (215, 8223),

Gene: Urza_10 Start: 7450, Stop: 8523, Start Num: 8
Candidate Starts for Urza_10:
(1, 7414), (Start: 8 @7450 has 222 MA's), (21, 7528), (64, 7804), (88, 7900), (103, 7948), (111, 7990), (130, 8122), (136, 8146), (141, 8158), (160, 8245), (161, 8251), (173, 8302), (179, 8329), (206, 8398),

Gene: UtzChips_6 Start: 6055, Stop: 7023, Start Num: 8
Candidate Starts for UtzChips_6:
(Start: 8 @6055 has 222 MA's), (13, 6088), (51, 6316), (63, 6385), (94, 6502), (105, 6547), (138, 6724), (142, 6748), (161, 6826), (163, 6835), (173, 6877), (210, 6994),

Gene: VResidence_7 Start: 6896, Stop: 7843, Start Num: 8
Candidate Starts for VResidence_7:
(Start: 8 @6896 has 222 MA's), (17, 6941), (18, 6947), (41, 7103), (53, 7166), (71, 7247), (94, 7331), (105, 7376), (109, 7397), (125, 7496), (126, 7505), (139, 7556), (166, 7682), (172, 7703), (177, 7724), (179, 7733), (185, 7748), (209, 7814),

Gene: VanLee_8 Start: 5920, Stop: 6837, Start Num: 9
Candidate Starts for VanLee_8:
(Start: 9 @5920 has 108 MA's), (12, 5947), (21, 5989), (22, 5992), (25, 6004), (31, 6058), (46, 6145), (48, 6157), (55, 6187), (64, 6238), (70, 6259), (96, 6358), (105, 6397), (130, 6550), (134, 6562), (157, 6658), (163, 6688), (170, 6721),

Gene: Vanseggelen_13 Start: 6978, Stop: 8024, Start Num: 3
Candidate Starts for Vanseggelen_13:
(3, 6978), (18, 7050), (129, 7629), (154, 7722), (167, 7794), (179, 7839), (198, 7887), (206, 7908), (223, 8004),

Gene: Verabelle_11 Start: 7343, Stop: 8371, Start Num: 8
Candidate Starts for Verabelle_11:
(Start: 8 @7343 has 222 MA's), (18, 7397), (51, 7601), (55, 7619), (129, 7976), (154, 8069), (163, 8117), (167, 8141), (179, 8186), (206, 8255), (216, 8303), (223, 8351),

Gene: Verse_10 Start: 7406, Stop: 8488, Start Num: 8
Candidate Starts for Verse_10:
(Start: 8 @7406 has 222 MA's), (18, 7463), (129, 8066), (167, 8231), (173, 8249), (179, 8276), (182, 8285),

Gene: Vetrix_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Vetrix_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: VieEnRose_10 Start: 7520, Stop: 8593, Start Num: 8
Candidate Starts for VieEnRose_10:
(1, 7484), (Start: 8 @7520 has 222 MA's), (21, 7598), (64, 7874), (88, 7970), (130, 8192), (136, 8216), (139, 8222), (141, 8228), (160, 8315), (161, 8321), (173, 8372), (179, 8399), (206, 8468),

Gene: VroomVroom_6 Start: 5167, Stop: 6108, Start Num: 8
Candidate Starts for VroomVroom_6:
(Start: 8 @5167 has 222 MA's), (18, 5218), (38, 5359), (46, 5401), (58, 5458), (63, 5491), (70, 5515), (71, 5518), (105, 5647), (109, 5668), (126, 5776), (134, 5809), (148, 5860), (152, 5875), (165, 5947), (172, 5971), (177, 5992), (195, 6049), (209, 6082),

Gene: Wamburgrxpress_8 Start: 6084, Stop: 7235, Start Num: 9
Candidate Starts for Wamburgrxpress_8:
(Start: 9 @6084 has 108 MA's), (11, 6099), (17, 6129), (25, 6168), (31, 6222), (32, 6228), (47, 6318), (59, 6375), (63, 6402), (65, 6408), (105, 6558), (111, 6585), (127, 6702), (140, 6747), (160, 6837), (167, 6876), (173, 6894), (174, 6900), (179, 6921), (208, 6990), (229, 7131), (234, 7176),

Gene: Warda_7 Start: 6817, Stop: 7764, Start Num: 8
Candidate Starts for Warda_7:
(Start: 8 @6817 has 222 MA's), (18, 6868), (25, 6901), (46, 7051), (63, 7141), (71, 7168), (105, 7297), (109, 7318), (125, 7417), (126, 7426), (139, 7477), (158, 7555), (165, 7600), (166, 7603), (172, 7624), (179, 7654), (200, 7711), (209, 7735),

Gene: Werner_10 Start: 7221, Stop: 8294, Start Num: 8
Candidate Starts for Werner_10:
(Start: 8 @7221 has 222 MA's), (101, 7713), (104, 7728), (152, 7968), (154, 7980), (160, 8010), (172, 8064), (215, 8202),

Gene: Whatever_10 Start: 7221, Stop: 8294, Start Num: 8
Candidate Starts for Whatever_10:
(Start: 8 @7221 has 222 MA's), (101, 7713), (104, 7728), (152, 7968), (154, 7980), (160, 8010), (172, 8064), (215, 8202),

Gene: Whirlwind_10 Start: 6194, Stop: 7354, Start Num: 8
Candidate Starts for Whirlwind_10:
(Start: 8 @6194 has 222 MA's), (21, 6272), (25, 6287), (31, 6341), (32, 6347), (41, 6404), (47, 6437), (59, 6494), (65, 6527), (67, 6536), (103, 6662), (121, 6773), (127, 6821), (152, 6911), (174, 7019), (179, 7040), (229, 7253), (231, 7280), (234, 7298),

Gene: Wigglewiggle_8 Start: 6103, Stop: 7251, Start Num: 9
Candidate Starts for Wigglewiggle_8:

(Start: 9 @6103 has 108 MA's), (11, 6118), (25, 6187), (31, 6241), (47, 6337), (63, 6421), (94, 6532), (103, 6562), (105, 6577), (110, 6601), (113, 6616), (125, 6703), (127, 6721), (128, 6727), (152, 6811), (160, 6856), (174, 6919), (179, 6940), (193, 6973), (208, 7009), (221, 7084), (229, 7150), (231, 7177),

Gene: Wildcat_30 Start: 12954, Stop: 14132, Start Num: 9
Candidate Starts for Wildcat_30:
(Start: 9 @12954 has 108 MA's), (13, 12984), (18, 13005), (20, 13020), (25, 13038), (31, 13092), (32, 13098), (50, 13209), (54, 13227), (58, 13245), (70, 13302), (77, 13335), (111, 13467), (113, 13479), (115, 13494), (122, 13542), (133, 13605), (144, 13653), (151, 13680), (161, 13728), (164, 13740), (179, 13806), (218, 13935), (219, 13941), (221, 13971), (233, 14079), (239, 14127),

Gene: Wilder_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Wilder_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: Wildwest_8 Start: 7740, Stop: 8687, Start Num: 8
Candidate Starts for Wildwest_8:
(Start: 8 @7740 has 222 MA's), (17, 7785), (18, 7791), (46, 7974), (71, 8091), (94, 8175), (105, 8220), (109, 8241), (125, 8340), (126, 8349), (139, 8400), (166, 8526), (172, 8547), (179, 8577), (185, 8592), (194, 8622), (209, 8658),

Gene: Winky_8 Start: 6070, Stop: 7218, Start Num: 9
Candidate Starts for Winky_8:
(Start: 9 @6070 has 108 MA's), (11, 6085), (25, 6154), (31, 6208), (47, 6304), (63, 6388), (94, 6499), (103, 6529), (105, 6544), (110, 6568), (113, 6583), (125, 6670), (127, 6688), (128, 6694), (152, 6778), (160, 6823), (174, 6886), (179, 6907), (193, 6940), (208, 6976), (221, 7051), (229, 7117), (231, 7144),

Gene: Wyatt2_8 Start: 6084, Stop: 7235, Start Num: 9
Candidate Starts for Wyatt2_8:
(Start: 9 @6084 has 108 MA's), (11, 6099), (17, 6129), (25, 6168), (31, 6222), (32, 6228), (47, 6318), (59, 6375), (63, 6402), (65, 6408), (105, 6558), (111, 6585), (127, 6702), (140, 6747), (160, 6837), (167, 6876), (173, 6894), (174, 6900), (179, 6921), (208, 6990), (229, 7131), (234, 7176),

Gene: Yang_7 Start: 6933, Stop: 7880, Start Num: 8
Candidate Starts for Yang_7:
(Start: 8 @6933 has 222 MA's), (18, 6984), (47, 7173), (72, 7293), (105, 7413), (110, 7437), (111, 7440), (134, 7575), (139, 7593), (165, 7716), (166, 7719), (172, 7740), (179, 7770), (185, 7785), (195, 7818), (209, 7851),

Gene: Yasdnil_10 Start: 7220, Stop: 8293, Start Num: 8
Candidate Starts for Yasdnil_10:
(Start: 8 @7220 has 222 MA's), (101, 7712), (104, 7727), (129, 7886), (154, 7979), (160, 8009), (172, 8063), (215, 8201),

Gene: YesChef_7 Start: 6871, Stop: 7818, Start Num: 8
Candidate Starts for YesChef_7:
(Start: 8 @6871 has 222 MA's), (18, 6922), (25, 6955), (46, 7105), (71, 7222), (105, 7351), (109, 7372), (125, 7471), (126, 7480), (139, 7531), (158, 7609), (165, 7654), (166, 7657), (172, 7678), (179, 7708), (185, 7723), (209, 7789),

Gene: Yosif_11 Start: 7716, Stop: 8744, Start Num: 8

Candidate Starts for Yosif_11:
(Start: 8 @7716 has 222 MA's), (18, 7770), (55, 7992), (129, 8349), (154, 8442), (167, 8514), (173, 8532), (179, 8559), (214, 8664), (223, 8724),

Gene: Zainub_12 Start: 7584, Stop: 8654, Start Num: 8
Candidate Starts for Zainub_12:
(Start: 8 @7584 has 222 MA's), (24, 7674), (64, 7914), (101, 8067), (139, 8274), (141, 8280), (154, 8334), (168, 8409), (172, 8421),

Gene: Zakai_8 Start: 6058, Stop: 7206, Start Num: 9
Candidate Starts for Zakai_8:
(Start: 9 @6058 has 108 MA's), (11, 6073), (25, 6142), (31, 6196), (47, 6292), (63, 6376), (94, 6487), (103, 6517), (105, 6532), (110, 6556), (113, 6571), (125, 6658), (127, 6676), (128, 6682), (152, 6766), (160, 6811), (174, 6874), (179, 6895), (193, 6928), (208, 6964), (221, 7039), (229, 7105), (231, 7132),

Gene: ZamZam_10 Start: 7307, Stop: 8386, Start Num: 8
Candidate Starts for ZamZam_10:
(Start: 8 @7307 has 222 MA's), (18, 7361), (40, 7535), (51, 7589), (83, 7733), (129, 7964), (167, 8129), (173, 8147), (179, 8174), (186, 8189), (225, 8354),

Gene: Zaria_8 Start: 6085, Stop: 7236, Start Num: 9
Candidate Starts for Zaria_8:
(Start: 9 @6085 has 108 MA's), (11, 6100), (17, 6130), (25, 6169), (31, 6223), (32, 6229), (47, 6319), (59, 6376), (63, 6403), (65, 6409), (105, 6559), (111, 6586), (127, 6703), (140, 6748), (160, 6838), (167, 6877), (173, 6895), (174, 6901), (179, 6922), (208, 6991), (229, 7132), (234, 7177),

Gene: Zemlya_11 Start: 7220, Stop: 8305, Start Num: 8
Candidate Starts for Zemlya_11:
(Start: 8 @7220 has 222 MA's), (101, 7724), (104, 7739), (154, 7991), (160, 8021), (179, 8105), (215, 8213),

Gene: Zeta1847_6 Start: 5151, Stop: 6122, Start Num: 7
Candidate Starts for Zeta1847_6:
(Start: 7 @5151 has 1 MA's), (19, 5214), (29, 5271), (51, 5418), (63, 5487), (111, 5676), (112, 5682), (113, 5688), (125, 5769), (126, 5778), (134, 5811), (161, 5928), (173, 5979), (178, 6003), (206, 6081),

Gene: ZhongYanYuan_7 Start: 5899, Stop: 7047, Start Num: 9
Candidate Starts for ZhongYanYuan_7:
(Start: 9 @5899 has 108 MA's), (11, 5914), (17, 5944), (25, 5983), (31, 6037), (47, 6133), (63, 6217), (103, 6358), (105, 6373), (110, 6397), (113, 6412), (125, 6499), (127, 6517), (128, 6523), (152, 6607), (160, 6652), (174, 6715), (179, 6736), (193, 6769), (208, 6805), (229, 6946), (231, 6973),

Gene: phiCAM_11 Start: 9127, Stop: 10152, Start Num: 18
Candidate Starts for phiCAM_11:
(Start: 8 @9070 has 222 MA's), (18, 9127), (88, 9517), (129, 9730), (167, 9895), (173, 9913), (179, 9940), (206, 10009), (222, 10102), (225, 10120),

Gene: phiHau3_12 Start: 7280, Stop: 8347, Start Num: 8
Candidate Starts for phiHau3_12:
(Start: 8 @7280 has 222 MA's), (10, 7301), (31, 7427), (32, 7433), (47, 7526), (64, 7610), (70, 7631), (76, 7658), (101, 7763), (141, 7976), (160, 8063), (168, 8105), (173, 8120),