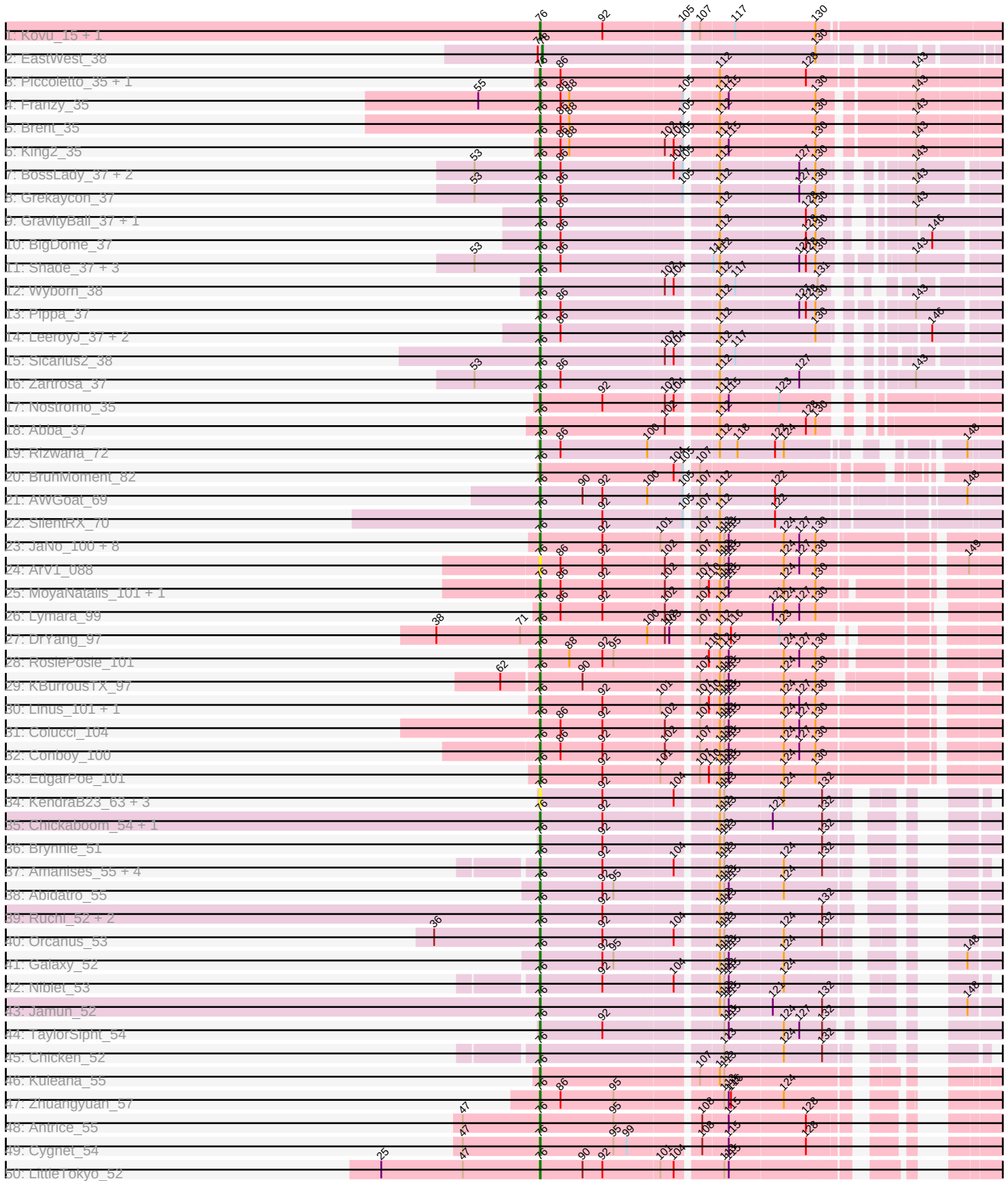
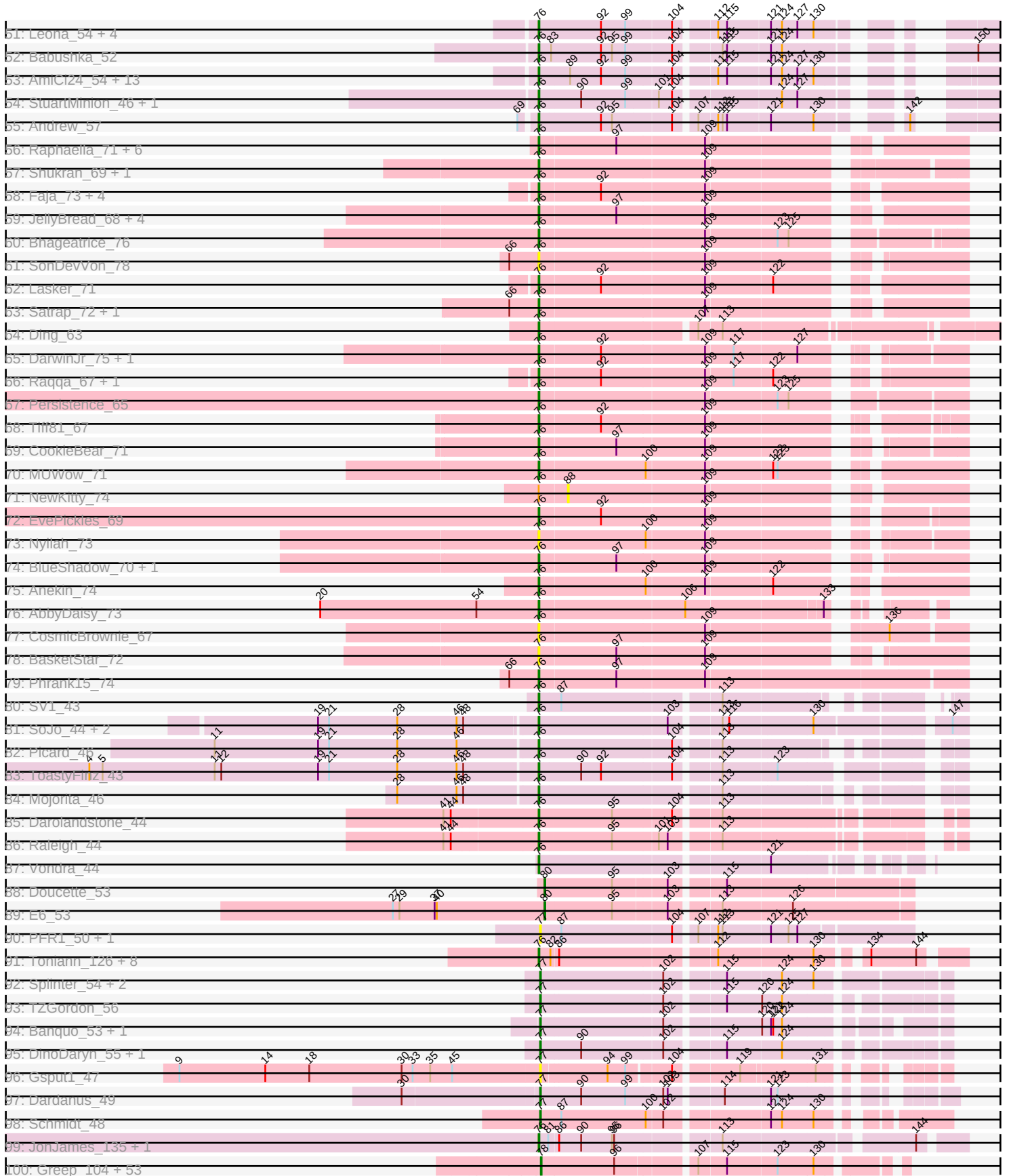
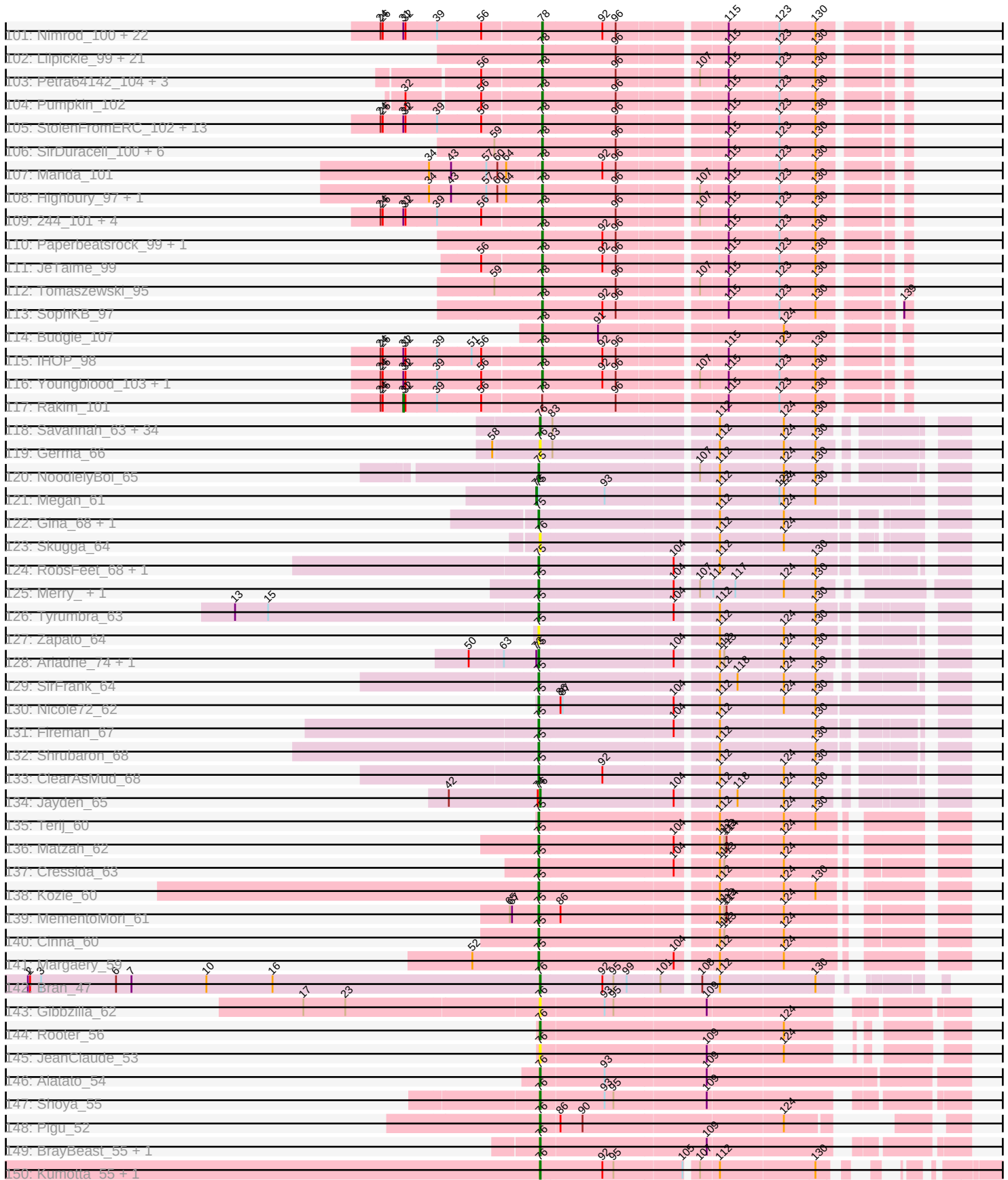


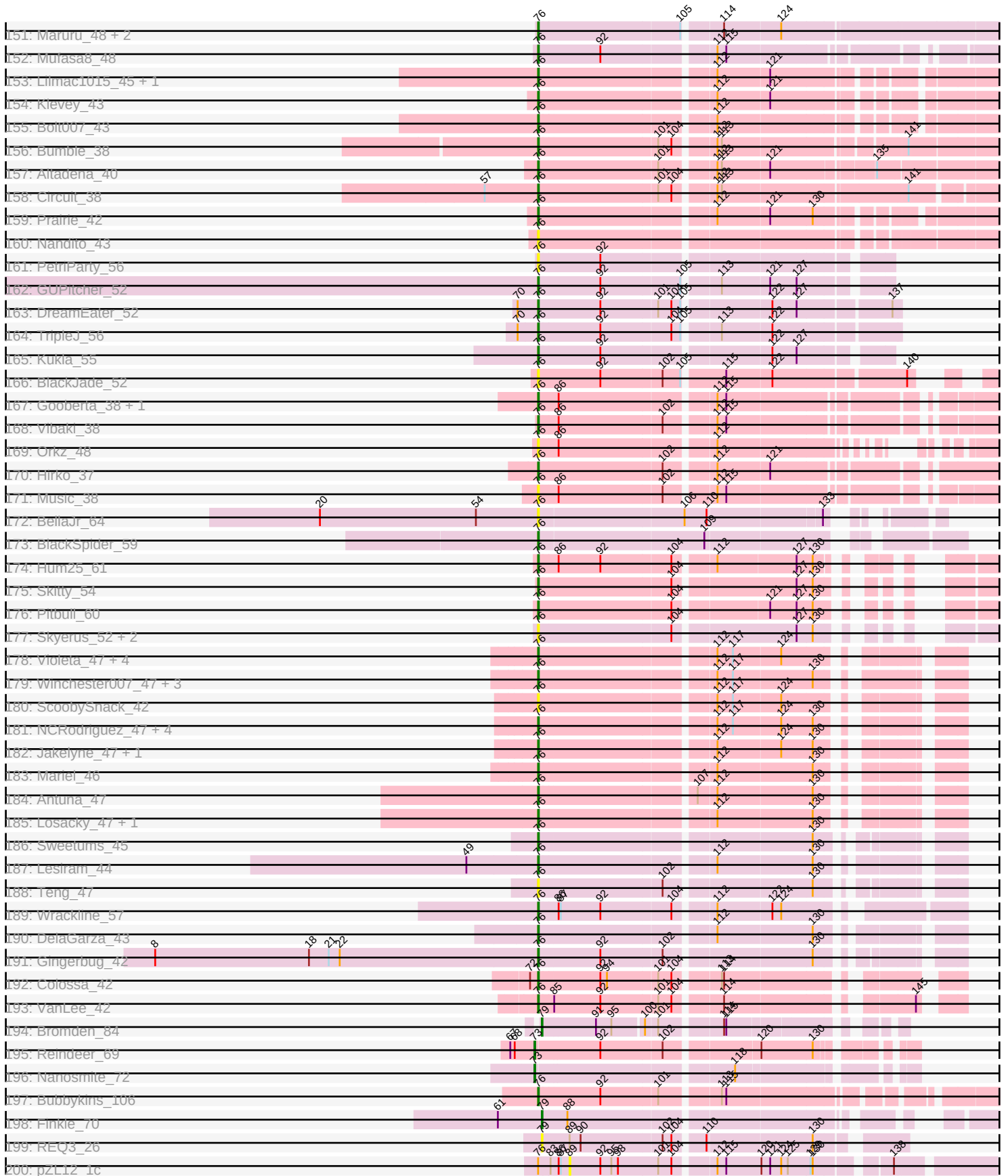


Pham 330326

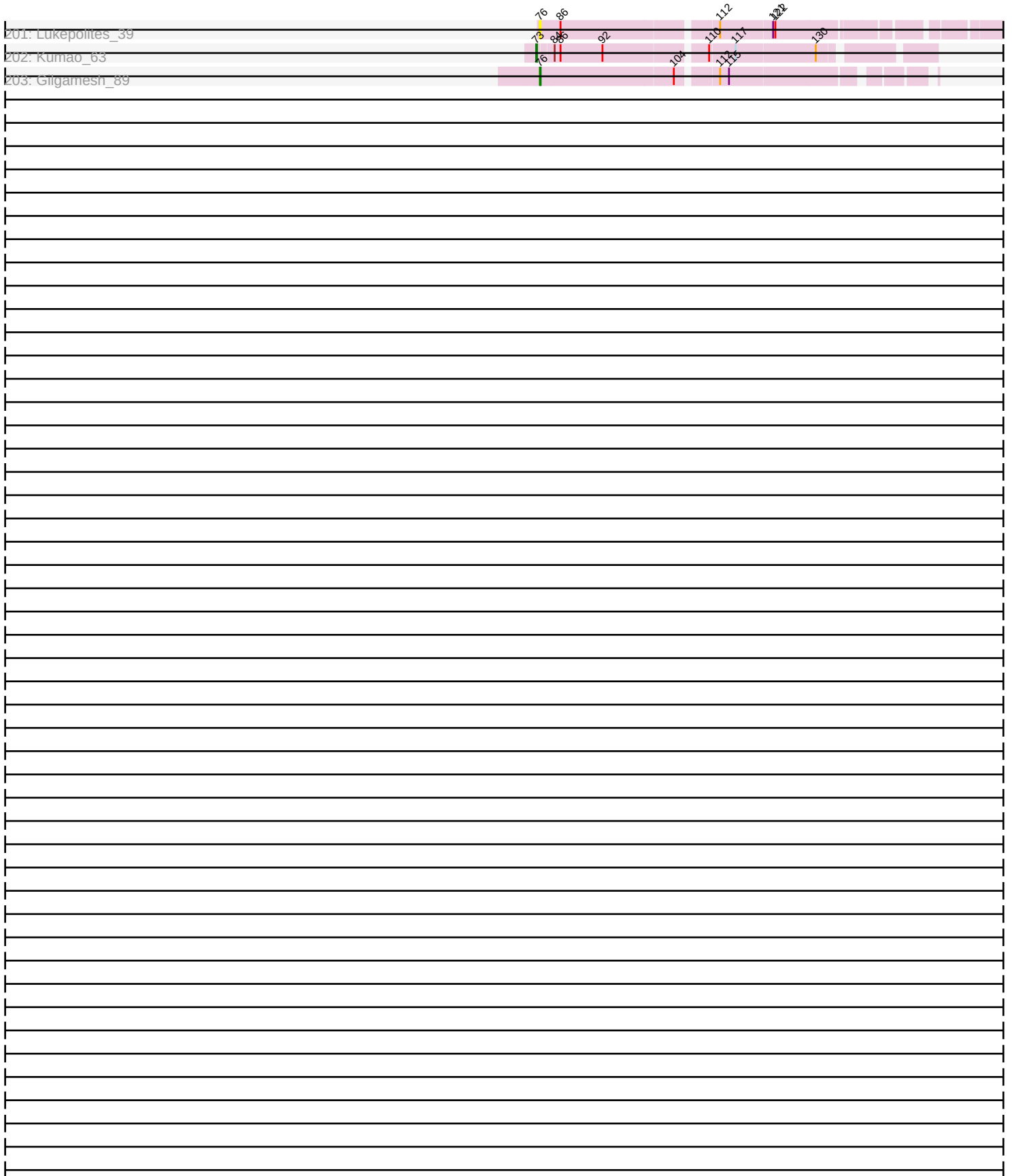




Pham 330326



Pham 330326



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 330326 Report

This analysis was run 09/05/26 on database version 662.

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 330326 has 470 members, 57 are drafts.

Phages represented in each track:

- Track 1 : Kovu_15, ApoKipo_15
- Track 2 : EastWest_38
- Track 3 : Piccoletto_35, NathanVaag_35
- Track 4 : Franzy_35
- Track 5 : Brent_35
- Track 6 : King2_35
- Track 7 : BossLady_37, TaeYoung_37, Martha_37
- Track 8 : Grekaycon_37
- Track 9 : GravityBall_37, StevieBAY_37
- Track 10 : BigDome_37
- Track 11 : Shade_37, Jordan_37, JKerns_37, Sonny_37
- Track 12 : Wyborn_38
- Track 13 : Pippa_37
- Track 14 : LeeroyJ_37, BarretLemon_37, Timinator_37
- Track 15 : Sicarius2_38
- Track 16 : Zartrosa_37
- Track 17 : Nostromo_35
- Track 18 : Abba_37
- Track 19 : Rizwana_72
- Track 20 : BruhMoment_82
- Track 21 : AWGoat_69
- Track 22 : SilentRX_70
- Track 23 : JaNo_100, Mordred_101, Tophat_102, Chipper1996_1020, HumptyDumpty_101, Chubster_101, PrincessTrina_102, Kabreeze_101, Scavito_102
- Track 24 : ArV1_088
- Track 25 : MoyaNatalis_101, JayCookie_102
- Track 26 : Lymara_99
- Track 27 : DrYang_97
- Track 28 : RosiePosie_101
- Track 29 : KBurrousTX_97
- Track 30 : Linus_101, Chocolat_101
- Track 31 : Colucci_104
- Track 32 : Conboy_100

- Track 33 : EdgarPoe_101
- Track 34 : KendraB23_63, Westrich_63, Pelletreau_64, Gravel_64
- Track 35 : Chickaboom_54, WileyE_54
- Track 36 : Brynnie_51
- Track 37 : Amanises_55, Eesa_52, Toad24_55, Zixiang_52, Shen_52
- Track 38 : Abidatro_55
- Track 39 : Ruchi_52, Vulpecula_52, Basilisk_53
- Track 40 : Orcanus_53
- Track 41 : Galaxy_52
- Track 42 : Niblet_53
- Track 43 : Jamun_52
- Track 44 : TaylorSipht_54
- Track 45 : Chicken_52
- Track 46 : Kuleana_55
- Track 47 : Zhuangyuan_57
- Track 48 : Antrice_55
- Track 49 : Cygnet_54
- Track 50 : LittleTokyo_52
- Track 51 : Leona_54, Rattail_55, Renna12_54, RedFox_55, Azaz_55
- Track 52 : Babushka_52
- Track 53 : AmiCi24_54, Fingolfin_55, Juno112_54, Oppalora_54, HamCheese_55, Glotell_56, DanHam62_55, Atlantica_55, PhluffyCoco_55, KHumphrey_55, AdoptaAdorbs_54, Camara_55, Amphitrite_55, Laphuphu24k_53
- Track 54 : StuartMinion_46, AlexMinion_54
- Track 55 : Andrew_57
- Track 56 : Raphaela_71, Kabloowy_70, Mapleville_66, MurphyJoseph_69, Richie_74, Lawnathon_73, Windest_74
- Track 57 : Shukran_69, Isolde_70
- Track 58 : Faja_73, AdaS_69, BillyTP_73, Hestia_64, YoungHarleezy_71
- Track 59 : JellyBread_68, MaterMagnus_71, Sakai_69, Gorpy_70, Aikyam_70
- Track 60 : Bhageatrice_76
- Track 61 : SonDevVon_78
- Track 62 : Lasker_71
- Track 63 : Satrap_72, LeBruni_71
- Track 64 : Ding_63
- Track 65 : DarwinJr_75, Crescenzo_73
- Track 66 : Raqqa_67, BenchScraper_72
- Track 67 : Persistence_65
- Track 68 : Tiff81_67
- Track 69 : CookieBear_71
- Track 70 : MUWow_71
- Track 71 : NewKitty_74
- Track 72 : EvePickles_69
- Track 73 : Nyilah_73
- Track 74 : BlueShadow_70, Sporco_74
- Track 75 : Anekin_74
- Track 76 : AbbyDaisy_73
- Track 77 : CosmicBrownie_67
- Track 78 : BasketStar_72
- Track 79 : Phrank15_74
- Track 80 : SV1_43
- Track 81 : SoJo_44, DaRealMyers_44, Tubberson_44
- Track 82 : Picard_46

- Track 83 : ToastyFinz_43
- Track 84 : Mojarita_46
- Track 85 : Darolandstone_44
- Track 86 : Raleigh_44
- Track 87 : Vondra_44
- Track 88 : Doucette_53
- Track 89 : E6_53
- Track 90 : PFR1_50, PFR2_52
- Track 91 : Toniann_126, Cucurbita_127, Culver_126, Norvs_125, Aphelion_126, Bachita_129, ClubL_126, PhinkBoden_126, Engineer_128
- Track 92 : Splinter_54, Vendetta_54, Goib_55
- Track 93 : TZGordon_56
- Track 94 : Banquo_53, TinaLin_53
- Track 95 : DinoDaryn_55, Huffy_55
- Track 96 : Gspat1_47
- Track 97 : Dardanus_49
- Track 98 : Schmidt_48
- Track 99 : JonJames_135, Yvonnetastic_132
- Track 100 : Greep_104, Lilizi_101, Moldemort_103, Liveloughbron_101, Emmina_100, ShamWow_100, RiverMonster_100, Misfit_101, CrystalP_99, Thresher_102, Hoonter_103, BilboSwaggins_98, FireRed_103, Henry_97, Simpliphy_99, Filch_102, OrionPax_99, Porky_99, Tarkin_99, ShereKhan_98, Hopey_101, Nala_102, Buck_101, MadamMonkfish_100, Palpatine_101, Eureka_99, TeamEdward_100, Policronamos_102, Elph10_100, Contagion_96, Phrux_97, Bruin_97, Stark_101, Ukulele_95, Teaspoon_101, HanKaySha_101, Qualification_101, Maxxinista_102, PaddyBaddy_100, Lilac_102, Bogg_100, Phaux_102, Terminus_103, Cjw1_101, Toto_98, NoSleep_101, Bench_103, Goku_99, BugsBunny_99, Mosby_96, PhatBacter_103, Sassay_95, Kanye_97, Willez_95
- Track 101 : Nimrod_100, NonchalantPear_100, Harella_100, Glexan_99, Inca_97, Xandras_99, MollyToe_95, Icee_101, FoghornLeghorn_93, Flypotenuse_96, DoctorDiddles_99, Gator_98, Marshmallow_97, YassJohnny_97, Asriel_98, Phaja_98, Bask21_100, xkcd_103, Brewer_96, AmericanBeauty_104, Barbarian_99, Myrale_100, Traaww1_96
- Track 102 : Lilpickle_99, Cactus_104, Tuco_101, Dusk_97, Goldilocks_103, TeardropMSU_96, MPhalcon_101, Murica_103, Murphy_100, ABCat_97, FairyPath_101, BadStone_97, MISSy_101, DrDrey_100, Pharsalus_97, StellaBean_99, ChosenOne_100, BaboJay_100, Mindy_99, Dumbo_100, Sotrice96_101, Elite2014_99
- Track 103 : Petra64142_104, Daikon_100, NelitzaMV_97, StormChicken_101
- Track 104 : Pumpkin_102
- Track 105 : StolenFromERC_102, Easy2Say_100, Gemini_105, GooberAzure_103, Adnama_104, Stank_102, GoldenSpark_104, Kimchi_104, Command613_102, Gage_102, Argent26_104, Holt_105, Kostya_100, Wiggin_102
- Track 106 : SirDuracell_100, Cookies_97, Amao_100, ChotaBhai_100, Rimmer_98, HuffyPuff_102, Pat3_97
- Track 107 : Manda_101
- Track 108 : Highbury_97, Saints25_97
- Track 109 : 244_101, Balomoji_100, TBrady12_103, Czyszczone1_101, Thimble_102
- Track 110 : Paperbeatsrock_99, Miniwave_95
- Track 111 : JeTaime_99
- Track 112 : Tomaszewski_95
- Track 113 : SophKB_97

- Track 114 : Budgie_107
- Track 115 : IHOP_98
- Track 116 : Youngblood_103, BigBubba_100
- Track 117 : Rakim_101
- Track 118 : Savannah_63, Scumberland_66, PhedwardCullen_63, Phorgeous_64, CrazyRich_63, Kowalski_63, LittleFortune_66, Cranjis_65, KaiHaiDragon_65, Lucretia_64, Glorp_65, PierreOrion_64, Hermeonysus_64, Pulchra_66, Ganandorf_63, Jollipop_65, Ramiel05_63, Piperis_65, Shotgun_64, Quhwah_68, Honeyfin_65, Rockwell_63, Paschalis_64, BrazzalePHS_63, BeagleBug_63, PiperSansNom_65, EarickHC_65, Crisis_65, Antares_64, Busephilis_63, Jefe_64, Yeti_66, Selwyn23_65, Onika_63, Phrancesco_64
- Track 119 : Germa_66
- Track 120 : NoodlelyBoi_65
- Track 121 : Megan_61
- Track 122 : Gina_68, Teamocil_68
- Track 123 : Skugga_64
- Track 124 : RobsFeet_68, Metamorphoo_67
- Track 125 : Merry_, Sunny_
- Track 126 : Tyumbra_63
- Track 127 : Zapato_64
- Track 128 : Ariadne_74, Smarties_74
- Track 129 : SirFrank_64
- Track 130 : Nicole72_62
- Track 131 : Fireman_67
- Track 132 : Shrubaron_68
- Track 133 : ClearAsMud_68
- Track 134 : Jayden_65
- Track 135 : Terij_60
- Track 136 : Matzah_62
- Track 137 : Cressida_63
- Track 138 : Kozie_60
- Track 139 : MementoMori_61
- Track 140 : Cinna_60
- Track 141 : Margaery_59
- Track 142 : Bran_47
- Track 143 : Gibbzilla_62
- Track 144 : Rooter_56
- Track 145 : JeanClaude_53
- Track 146 : Alatato_54
- Track 147 : Shoya_55
- Track 148 : Pigu_52
- Track 149 : BrayBeast_55, Sarge_49
- Track 150 : Kumotta_55, MargaretKali_51
- Track 151 : Maruru_48, Sonali_48, Sunshine23_49
- Track 152 : Mufasa8_48
- Track 153 : Lilmac1015_45, CalWood4100_45
- Track 154 : Klevey_43
- Track 155 : Bolt007_43
- Track 156 : Bumble_38
- Track 157 : Altadena_40
- Track 158 : Circuit_38
- Track 159 : Prairie_42
- Track 160 : Nandito_43

- Track 161 : PetriParty_56
- Track 162 : GUPitcher_52
- Track 163 : DreamEater_52
- Track 164 : TripleJ_56
- Track 165 : Kukla_55
- Track 166 : BlackJade_52
- Track 167 : Gooberta_38, GoldDust_38
- Track 168 : Vibaki_38
- Track 169 : Orkz_48
- Track 170 : Hirko_37
- Track 171 : Music_38
- Track 172 : BellaJr_64
- Track 173 : BlackSpider_59
- Track 174 : Hum25_61
- Track 175 : Skitty_54
- Track 176 : Pitbull_60
- Track 177 : Skyerus_52, Neroxid_57, Raya_57
- Track 178 : Violeta_47, Guzman_45, CookieDog_45, Carrillo_47, Bush_46
- Track 179 : Winchester007_47, Dropshot_45, Appa_45, PhillyJawn_46
- Track 180 : ScoobySnack_42
- Track 181 : NCRodriguez_47, Warren_45, Phingu_48, Blett_45, Pickles13_44
- Track 182 : Jakelyne_47, Phonegingi_45
- Track 183 : Mariel_46
- Track 184 : Antuna_47
- Track 185 : Losacky_47, MenE_47
- Track 186 : Sweetums_45
- Track 187 : Lesiram_44
- Track 188 : Teng_47
- Track 189 : Wrackline_57
- Track 190 : DelaGarza_43
- Track 191 : Gingerbug_42
- Track 192 : Colossa_42
- Track 193 : VanLee_42
- Track 194 : Bromden_84
- Track 195 : Reindeer_69
- Track 196 : Nanosmite_72
- Track 197 : Bubbykins_106
- Track 198 : Finkle_70
- Track 199 : REQ3_26
- Track 200 : pZL12_1c
- Track 201 : Lukepolites_39
- Track 202 : Kumao_63
- Track 203 : Gilgamesh_89

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

The start number called the most often in the published annotations is 76, it was called in 238 of the 413 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• AWGoat_69, Abba_37, AbbyDaisy_73, Abidatro_55, AdaS_69, AdoptaAdorbs_54, Aikyam_70, Alatato_54, AlexMinion_54, Altadena_40, Amanises_55, AmiCi24_54, Amphitrite_55, Andrew_57, Anekin_74, Antares_64, Antrice_55, Antuna_47, Aphelion_126, ApoKipo_15, Appa_45, ArV1_088, Atlantica_55, Azaz_55, Babushka_52, Bachita_129, BarretLemon_37, Basilisk_53, BasketStar_72, BeagleBug_63, BellaJr_64, BenchScraper_72, Bhageatrice_76, BigDome_37, BillyTP_73, BlackJade_52, BlackSpider_59, Blett_45, BlueShadow_70, Bolt007_43, BossLady_37, Bran_47, BrayBeast_55, BrazzalePHS_63, Brent_35, BruhMoment_82, Brynnie_51, Bubbykins_106, Bumble_38, Busephilis_63, Bush_46, CalWood4100_45, Camara_55, Carrillo_47, Chickaboom_54, Chicken_52, Chipper1996_1020, Chocolat_101, Chubster_101, Circuit_38, ClubL_126, Colossa_42, Colucci_104, Conboy_100, CookieBear_71, CookieDog_45, CosmicBrownie_67, Cranjis_65, CrazyRich_63, Crescenzo_73, Crisis_65, Cucurbita_127, Culver_126, Cygnet_54, DaRealMyers_44, DanHam62_55, Darolandstone_44, DarwinJr_75, DelaGarza_43, Ding_63, DrYang_97, DreamEater_52, Dropshot_45, EarickHC_65, EdgarPoe_101, Eesa_52, Engineer_128, EvePickles_69, Faja_73, Fingolfin_55, Franzy_35, GUPitcher_52, Galaxy_52, Ganandorf_63, Germa_66, Gibbzilla_62, Gilgamesh_89, Gingerbug_42, Glorp_65, Glotell_56, GoldDust_38, Gooberta_38, Gorpy_70, Gravel_64, GravityBall_37, Grekaycon_37, Guzman_45, HamCheese_55, Hermeonysus_64, Hestia_64, Hirko_37, Honeyfin_65, Hum25_61, HumptyDumpty_101, Isolde_70, JKerns_37, JaNo_100, Jakelyne_47, Jamun_52, JayCookie_102, Jayden_65, JeanClaude_53, Jefe_64, JellyBread_68, Jollipop_65, JonJames_135, Jordan_37, Juno112_54, KBurroustX_97, KHumphrey_55, Kabloowy_70, Kabreeze_101, KaiHaiDragon_65, KendraB23_63, King2_35, Klevey_43, Kovu_15, Kowalski_63, Kukla_55, Kuleana_55, Kumotta_55, Laphuphu24k_53, Lasker_71, Lawnathon_73, LeBruni_71, LeeroyJ_37, Leona_54, Lesiram_44, LiImac1015_45, Linus_101, LittleFortune_66, LittleTokyo_52, Losacky_47, Lucretia_64, Lukeopolites_39, Lymara_99, MUWow_71, Mapleville_66, MargaretKali_51, Mariel_46, Martha_37, Maruru_48, MaterMagnus_71, MenE_47, Mojorita_46, Mordred_101, MoyaNatalis_101, Mufasa8_48, MurphyJoseph_69, Music_38, NCRodriguez_47, Nandito_43, NathanVaag_35, Neroxid_57, Niblet_53, Norvs_125, Nostromo_35, Nyilah_73, Onika_63, Oppalora_54, Orcanus_53, Orkz_48, Paschalis_64, Pelletreau_64, Persistence_65, PetriParty_56, PhedwardCullen_63, PhillyJawn_46, Phingu_48, PhinkBoden_126, PhluffyCoco_55, Phonegingi_45, Phorgeous_64, Phrancesco_64, Phrank15_74, Picard_46, Piccoletto_35, Pickles13_44, PierreOrion_64, Pigu_52, PiperSansNom_65, Piperis_65, Pippa_37, Pitbull_60, Prairie_42, PrincessTrina_102, Pulchra_66, Quhwah_68, Raleigh_44, Ramiel05_63, Raphaella_71, Raqqa_67, Rattail_55, Raya_57, RedFox_55, Renna12_54, Richie_74, Rizwana_72, Rockwell_63, Rooter_56, RosiePosie_101, Ruchi_52, SV1_43, Sakai_69, Sarge_49, Satrap_72, Savannah_63, Scavito_102, ScoobySnack_42, Scumberland_66, Selwyn23_65, Shade_37, Shen_52, Shotgun_64, Shoya_55, Shukran_69, Sicarius2_38, SilentRX_70, Skitty_54, Skugga_64, Skyerus_52, SoJo_44, SonDevVon_78, Sonali_48, Sonny_37, Sporco_74, StevieBAY_37, StuartMinion_46, Sunshine23_49, Sweetums_45, TaeYoung_37, TaylorSipht_54, Teng_47, Tiff81_67, Timinator_37, Toad24_55, ToastyFinz_43, Toniann_126, Tophat_102, TripleJ_56, Tubberson_44, VanLee_42, Vibaki_38, Violeta_47, Vondra_44, Vulpecula_52, Warren_45, Westrich_63, WileyE_54, Winchester007_47, Windest_74, Wrackline_57, Wyborn_38, Yeti_66, YoungHarleezy_71, YvonneTastic_132, Zartrosa_37, Zhuangyuan_57, Zixiang_52,

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

• NewKitty_74, pZL12_1c,

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

- 244_101, ABCat_97, Adnama_104, Amao_100, AmericanBeauty_104, Argent26_104, Ariadne_74, Asriel_98, BaboJay_100, BadStone_97, Balomoji_100, Banquo_53, Barbarian_99, Bask21_100, Bench_103, BigBubba_100, BilboSwaggins_98, Bogg_100, Brewer_96, Bromden_84, Bruin_97, Buck_101, Budgie_107, BugsBunny_99, Cactus_104, ChosenOne_100, ChotaBhai_100, Cinna_60, Cjw1_101, ClearAsMud_68, Command613_102, Contagion_96, Cookies_97, Cressida_63, CrystalP_99, Czyszczonek_101, Daikon_100, Dardanus_49, DinoDaryn_55, DoctorDiddles_99, Doucette_53, DrDrey_100, Dumbo_100, Dusk_97, E6_53, EastWest_38, Easy2Say_100, Elite2014_99, Elph10_100, Emmina_100, Eureka_99, FairyPath_101, Filch_102, Finkle_70, FireRed_103, Fireman_67, Flypotenuse_96, FoghornLeghorn_93, Gage_102, Gator_98, Gemini_105, Gina_68, Glexan_99, Goib_55, Goku_99, GoldenSpark_104, Goldilocks_103, GooberAzure_103, Greep_104, Gsput1_47, HanKaySha_101, Harella_100, Henry_97, Highbury_97, Holt_105, Hoonter_103, Hopey_101, HufflyPuff_102, Huffy_55, IHOP_98, Icee_101, Inca_97, JeTaime_99, Kanye_97, Kimchi_104, Kostya_100, Kozie_60, Kumao_63, Lilac_102, Lilizi_101, Lilpickle_99, Liveloughbron_101, MISSy_101, MPhalcon_101, MadamMonkfish_100, Manda_101, Margaery_59, Marshmallow_97, Matzah_62, Maxxinista_102, Megan_61, MementoMori_61, Merry_, Metamorphoo_67, Mindy_99, Miniwave_95, Misfit_101, Moldemort_103, MollyToe_95, Mosby_96, Murica_103, Murphy_100, Myrale_100, Nala_102, Nanosmite_72, NelitzaMV_97, Nicole72_62, Nimrod_100, NoSleep_101, NonchalantPear_100, NoodlelyBoi_65, OrionPax_99, PFR1_50, PFR2_52, PaddyBaddy_100, Palpatine_101, Paperbeatsrock_99, Pat3_97, Petra64142_104, Phaja_98, Pharsalus_97, PhatBacter_103, Phaux_102, Phrux_97, Policronamos_102, Porky_99, Pumpkin_102, Qualification_101, REQ3_26, Rakim_101, Reindeer_69, Rimmer_98, RiverMonster_100, RobsFeet_68, Saints25_97, Sassay_95, Schmidt_48, ShamWow_100, ShereKhan_98, Shrubaron_68, Simpliphy_99, SirDuracell_100, SirFrank_64, Smarties_74, SophKB_97, Sotrice96_101, Splinter_54, Stank_102, Stark_101, StellaBean_99, StolenFromERC_102, StormChicken_101, Sunny_, TBrady12_103, TZGordon_56, Tarkin_99, TeamEdward_100, Teamocil_68, TeardropMSU_96, Teaspoon_101, Terij_60, Terminus_103, Thimble_102, Thresher_102, TinaLin_53, Tomaszewski_95, Toto_98, Traaaww1_96, Tuco_101, Tyumbra_63, Ukulele_95, Vendetta_54, Wiggin_102, Willez_95, Xandras_99, YassJohnny_97, Youngblood_103, Zapato_64, xkcd_103,

Summary by start number:

Start 31:

- Found in 46 of 470 (9.8%) of genes in pham
- Manual Annotations of this start: 1 of 413
- Called 2.2% of time when present
- Phage (with cluster) where this start called: Rakim_101 (E),

Start 73:

- Found in 6 of 470 (1.3%) of genes in pham
- Manual Annotations of this start: 4 of 413
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Kumao_63 (singleton), Megan_61 (EC), Nanosmite_72 (M3), Reindeer_69 (M1),

Start 75:

- Found in 24 of 470 (5.1%) of genes in pham
- Manual Annotations of this start: 22 of 413
- Called 95.8% of time when present
- Phage (with cluster) where this start called: Ariadne_74 (EC), Cinna_60 (EI), ClearAsMud_68 (EC), Cressida_63 (EI), Fireman_67 (EC), Gina_68 (EC), Kozie_60 (EI), Margaery_59 (EI), Matzah_62 (EI), MementoMori_61 (EI), Merry_ (EC), Metamorphoo_67 (EC), Nicole72_62 (EC), NoodlelyBoi_65 (EC), RobsFeet_68 (EC), Shrubaron_68 (EC), SirFrank_64 (EC), Smarties_74 (EC), Sunny_ (EC), Teamocil_68 (EC), Terij_60 (EI), Tyumbra_63 (EC), Zapato_64 (EC),

Start 76:

- Found in 281 of 470 (59.8%) of genes in pham
- Manual Annotations of this start: 238 of 413
- Called 99.3% of time when present
- Phage (with cluster) where this start called: AWGoat_69 (AP4), Abba_37 (AO3), AbbyDaisy_73 (AY), Abidatro_55 (AS1), AdaS_69 (AY), AdoptaAdorbs_54 (AS3), Aikyam_70 (AY), Alatato_54 (FB), AlexMinion_54 (AS3), Altadena_40 (FH), Amanises_55 (AS1), AmCi24_54 (AS3), Amphitrite_55 (AS3), Andrew_57 (AS3), Anekin_74 (AY), Antares_64 (EC), Antrice_55 (AS2), Antuna_47 (GA), Aphelion_126 (CQ1), ApoKipo_15 (AL), Appa_45 (GA), ArV1_088 (AR), Atlantica_55 (AS3), Azaz_55 (AS3), Babushka_52 (AS3), Bachita_129 (CQ1), BarretLemon_37 (AO2), Basilisk_53 (AS1), BasketStar_72 (AY), BeagleBug_63 (EC), BellaJr_64 (FN), BenchScraper_72 (AY), Bhageatrice_76 (AY), BigDome_37 (AO2), BillyTP_73 (AY), BlackJade_52 (FL), BlackSpider_59 (FN), Blett_45 (GA), BlueShadow_70 (AY), Bolt007_43 (FH), BossLady_37 (AO2), Bran_47 (EP), BrayBeast_55 (FB), BrazzalePHS_63 (EC), Brent_35 (AO1), BruhMoment_82 (AP3), Brynnie_51 (AS1), Bubbykins_106 (UNK), Bumble_38 (FH), Busephilis_63 (EC), Bush_46 (GA), CalWood4100_45 (FH), Camara_55 (AS3), Carrillo_47 (GA), Chickaboom_54 (AS1), Chicken_52 (AS1), Chipper1996_1020 (AR), Chocolat_101 (AR), Chubster_101 (AR), Circuit_38 (FH), ClubL_126 (CQ1), Colossa_42 (KA), Colucci_104 (AR), Conboy_100 (AR), CookieBear_71 (AY), CookieDog_45 (GA), CosmicBrownie_67 (AY), Cranjis_65 (EC), CrazyRich_63 (EC), Crescenzo_73 (AY), Crisis_65 (EC), Cucurbita_127 (CQ1), Culver_126 (CQ1), Cygnet_54 (AS2), DaRealMyers_44 (BC1), DanHam62_55 (AS3), Darolandstone_44 (BC2), DarwinJr_75 (AY), DelaGarza_43 (GF), Ding_63 (AY), DrYang_97 (AR), DreamEater_52 (FJ), Dropshot_45 (GA), EarickHC_65 (EC), EdgarPoe_101 (AR), Eesa_52 (AS1), Engineer_128 (CQ1), EvePickles_69 (AY), Faja_73 (AY), Fingolfin_55 (AS3), Franzy_35 (AO1), GUPitcher_52 (FJ), Galaxy_52 (AS1), Ganandorf_63 (EC), Germa_66 (EC), Gibbzilla_62 (FB), Gilgamesh_89 (singleton), Gingerbug_42 (GF), Glorp_65 (EC), Glotell_56 (AS3), GoldDust_38 (FL), Gooberta_38 (FL), Gorpy_70 (AY), Gravel_64 (AS1), GravityBall_37 (AO2), Grekaycon_37 (AO2), Guzman_45 (GA), HamCheese_55 (AS3), Hermeonysus_64 (EC), Hestia_64 (AY), Hirko_37 (FL), Honeyfin_65 (EC), Hum25_61 (FQ1), HumptyDumpty_101 (AR), Isolde_70 (AY), JKerns_37 (AO2), JaNo_100 (AR), Jakelyne_47 (GA), Jamun_52 (AS1), JayCookie_102 (AR), Jayden_65 (EC), JeanClaude_53 (FB), Jefe_64 (EC), JellyBread_68 (AY), Jollipop_65 (EC), JonJames_135 (DD), Jordan_37 (AO2), Juno112_54 (AS3), KBurrousTX_97 (AR), KHumphrey_55 (AS3), Kabloowy_70 (AY), Kabreeze_101 (AR), KaiHaiDragon_65 (EC), KendraB23_63 (AS1), King2_35 (AO1), Klevey_43 (FH), Kovu_15 (AL), Kowalski_63 (EC), Kukla_55 (FJ), Kuleana_55 (AS2), Kumotta_55 (FB), Laphuphu24k_53 (AS3), Lasker_71 (AY), Lawnathon_73 (AY), LeBruni_71 (AY), LeeroyJ_37 (AO2), Leona_54 (AS3), Lesiram_44 (GF), Lilmac1015_45 (FH), Linus_101 (AR), LittleFortune_66 (EC), LittleTokyo_52 (AS2),

Losacky_47 (GA), Lucretia_64 (EC), Lukepolites_39 (singleton), Lymara_99 (AR), MUWow_71 (AY), Mapleville_66 (AY), MargaretKali_51 (FB), Mariel_46 (GA), Martha_37 (AO2), Maruru_48 (FG), MaterMagnus_71 (AY), MenE_47 (GA), Moajorita_46 (BC1), Mordred_101 (AR), MoyaNatalis_101 (AR), Mufasa8_48 (FG), MurphyJoseph_69 (AY), Music_38 (FL), NCRodriguez_47 (GA), Nandito_43 (FH), NathanVaag_35 (AO1), Neroxid_57 (FQ2), Niblet_53 (AS1), Norvs_125 (CQ1), Nostromo_35 (AO3), Nyilah_73 (AY), Onika_63 (EC), Oppalora_54 (AS3), Orcanus_53 (AS1), Orkz_48 (FL), Paschalis_64 (EC), Pelletreau_64 (AS1), Persistence_65 (AY), PetriParty_56 (FJ), PhedwardCullen_63 (EC), PhillyJawn_46 (GA), Phingu_48 (GA), PhinkBoden_126 (CQ1), PhluffyCoco_55 (AS3), Phonegingi_45 (GA), Phorgeous_64 (EC), Phrancesco_64 (EC), Phrank15_74 (AY), Picard_46 (BC1), Piccoletto_35 (AO1), Pickles13_44 (GA), PierreOrion_64 (EC), Pigu_52 (FB), PiperSansNom_65 (EC), Piperis_65 (EC), Pippa_37 (AO2), Pitbull_60 (FQ1), Prairie_42 (FH), PrincessTrina_102 (AR), Pulchra_66 (EC), Quhwah_68 (EC), Raleigh_44 (BC2), Ramiel05_63 (EC), Raphaella_71 (AY), Raqqa_67 (AY), Rattail_55 (AS3), Raya_57 (FQ2), RedFox_55 (AS3), Renna12_54 (AS3), Richie_74 (AY), Rizwana_72 (AP1), Rockwell_63 (EC), Rooter_56 (FB), RosiePosie_101 (AR), Ruchi_52 (AS1), SV1_43 (BC1), Sakai_69 (AY), Sarge_49 (FB), Satrap_72 (AY), Savannah_63 (EC), Scavito_102 (AR), ScoobySnack_42 (GA), Scumberland_66 (EC), Selwyn23_65 (EC), Shade_37 (AO2), Shen_52 (AS1), Shotgun_64 (EC), Shoya_55 (FB), Shukran_69 (AY), Sicarius2_38 (AO2), SilentRX_70 (AP4), Skitty_54 (FQ1), Skugga_64 (EC), Skyerus_52 (FQ2), SoJo_44 (BC1), SonDevVon_78 (AY), Sonali_48 (FG), Sonny_37 (AO2), Sporco_74 (AY), StevieBAY_37 (AO2), StuartMinion_46 (AS3), Sunshine23_49 (FG), Sweetums_45 (GF), TaeYoung_37 (AO2), TaylorSipht_54 (AS1), Teng_47 (GF), Tiff81_67 (AY), Timinator_37 (AO2), Toad24_55 (AS1), ToastyFinz_43 (BC1), Toniann_126 (CQ1), Tophat_102 (AR), TripleJ_56 (FJ), Tubberson_44 (BC1), VanLee_42 (KA), Vibaki_38 (FL), Violeta_47 (GA), Vondra_44 (BP), Vulpecula_52 (AS1), Warren_45 (GA), Westrich_63 (AS1), WileyE_54 (AS1), Winchester007_47 (GA), Windest_74 (AY), Wrackline_57 (GF), Wyborn_38 (AO2), Yeti_66 (EC), YoungHarleezy_71 (AY), Yvonnetastic_132 (DD), Zartrosa_37 (AO2), Zhuangyuan_57 (AS2), Zixiang_52 (AS1),

Start 77:

- Found in 13 of 470 (2.8%) of genes in pham
- Manual Annotations of this start: 10 of 413
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Banquo_53 (CU1), Dardanus_49 (CU3), DinoDaryn_55 (CU1), Goib_55 (CU1), Gspu1_47 (CU2), Huffy_55 (CU1), PFR1_50 (BX), PFR2_52 (BX), Schmidt_48 (CU4), Splinter_54 (CU1), TZGordon_56 (CU1), TinaLin_53 (CU1), Vendetta_54 (CU1),

Start 78:

- Found in 144 of 470 (30.6%) of genes in pham
- Manual Annotations of this start: 134 of 413
- Called 99.3% of time when present
- Phage (with cluster) where this start called: 244_101 (E), ABCat_97 (E), Adnama_104 (E), Amao_100 (E), AmericanBeauty_104 (E), Argent26_104 (E), Asriel_98 (E), BaboJay_100 (E), BadStone_97 (E), Balomaji_100 (E), Barbarian_99 (E), Bask21_100 (E), Bench_103 (E), BigBubba_100 (E), BilboSwaggins_98 (E), Bogg_100 (E), Brewer_96 (E), Bruin_97 (E), Buck_101 (E), Budgie_107 (E), BugsBunny_99 (E), Cactus_104 (E), ChosenOne_100 (E), ChotaBhai_100 (E), Cjw1_101 (E), Command613_102 (E), Contagion_96 (E), Cookies_97 (E), CrystalP_99 (E), Czystczon1_101 (E), Daikon_100 (E), DoctorDiddles_99 (E),

DrDrey_100 (E), Dumbo_100 (E), Dusk_97 (E), EastWest_38 (AO), Easy2Say_100 (E), Elite2014_99 (E), Elph10_100 (E), Emmina_100 (E), Eureka_99 (E), FairyPath_101 (E), Filch_102 (E), FireRed_103 (E), Flypotenuse_96 (E), FoghornLeghorn_93 (E), Gage_102 (E), Gator_98 (E), Gemini_105 (E), Glexan_99 (E), Goku_99 (E), GoldenSpark_104 (E), Goldilocks_103 (E), GooberAzure_103 (E), Greep_104 (E), HanKaySha_101 (E), Harella_100 (E), Henry_97 (E), Highbury_97 (E), Holt_105 (E), Hoonter_103 (E), Hopey_101 (E), HuffyPuff_102 (E), IHOP_98 (E), Icee_101 (E), Inca_97 (E), JeTaime_99 (E), Kanye_97 (E), Kimchi_104 (E), Kostya_100 (E), Lilac_102 (E), Lilizi_101 (E), Lilpickle_99 (E), LiveLaughbron_101 (E), MISSy_101 (E), MPhalcon_101 (E), MadamMonkfish_100 (E), Manda_101 (E), Marshmallow_97 (E), Maxxinista_102 (E), Mindy_99 (E), Miniwave_95 (E), Misfit_101 (E), Moldemort_103 (E), MollyToe_95 (E), Mosby_96 (E), Murica_103 (E), Murphy_100 (E), Myrale_100 (E), Nala_102 (E), NelitzaMV_97 (E), Nimrod_100 (E), NoSleep_101 (E), NonchalantPear_100 (E), OrionPax_99 (E), PaddyBaddy_100 (E), Palpatine_101 (E), Paperbeatsrock_99 (E), Pat3_97 (E), Petra64142_104 (E), Phaja_98 (E), Pharsalus_97 (E), PhatBacter_103 (E), Phaux_102 (E), Phrux_97 (E), Policronamos_102 (E), Porky_99 (E), Pumpkin_102 (E), Qualification_101 (E), Rimmer_98 (E), RiverMonster_100 (E), Saints25_97 (E), Sassay_95 (E), ShamWow_100 (E), ShereKhan_98 (E), Simpliphy_99 (E), SirDuracell_100 (E), SophKB_97 (E), Sotrice96_101 (E), Stank_102 (E), Stark_101 (E), StellaBean_99 (E), StolenFromERC_102 (E), StormChicken_101 (E), TBrady12_103 (E), Tarkin_99 (E), TeamEdward_100 (E), TeardropMSU_96 (E), Teaspoon_101 (E), Terminus_103 (E), Thimble_102 (E), Thresher_102 (E), Tomaszewski_95 (E), Toto_98 (E), Traaww1_96 (E), Tuco_101 (E), Ukulele_95 (E), Wiggin_102 (E), Willez_95 (E), Xandras_99 (E), YassJohnny_97 (E), Youngblood_103 (E), xkcd_103 (E),

Start 79:

- Found in 3 of 470 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 413
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bromden_84 (L4), Finkle_70 (singleton), REQ3_26 (singleton),

Start 80:

- Found in 2 of 470 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 413
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Doucette_53 (BW), E6_53 (BW),

Start 88:

- Found in 6 of 470 (1.3%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: NewKitty_74 (AY),

Start 89:

- Found in 16 of 470 (3.4%) of genes in pham
- No Manual Annotations of this start.
- Called 6.2% of time when present
- Phage (with cluster) where this start called: pZL12_1c (singleton),

Summary by clusters:

There are 44 clusters represented in this pham: singleton, AO1, AP3, DD, AP1, AP4, FB, BW, M1, M3, FG, FH, EI, FJ, FL, FN, CU4, CU3, CU2, CU1, BX, CQ1, AS3, AS2, AS1, E, AL, EC, GF, L4, AR, AO3, AO2, GA, AY, UNK, EP, KA, AO, FQ2, BP, FQ1, BC1, BC2,

Info for manual annotations of cluster AL:

- Start number 76 was manually annotated 2 times for cluster AL.

Info for manual annotations of cluster AO:

- Start number 78 was manually annotated 1 time for cluster AO.

Info for manual annotations of cluster AO1:

- Start number 76 was manually annotated 5 times for cluster AO1.

Info for manual annotations of cluster AO2:

- Start number 76 was manually annotated 18 times for cluster AO2.

Info for manual annotations of cluster AO3:

- Start number 76 was manually annotated 2 times for cluster AO3.

Info for manual annotations of cluster AP1:

- Start number 76 was manually annotated 1 time for cluster AP1.

Info for manual annotations of cluster AP3:

- Start number 76 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:

- Start number 76 was manually annotated 2 times for cluster AP4.

Info for manual annotations of cluster AR:

- Start number 76 was manually annotated 19 times for cluster AR.

Info for manual annotations of cluster AS1:

- Start number 76 was manually annotated 17 times for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 76 was manually annotated 5 times for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 76 was manually annotated 19 times for cluster AS3.

Info for manual annotations of cluster AY:

- Start number 76 was manually annotated 35 times for cluster AY.

Info for manual annotations of cluster BC1:

- Start number 76 was manually annotated 7 times for cluster BC1.

Info for manual annotations of cluster BC2:

- Start number 76 was manually annotated 2 times for cluster BC2.

Info for manual annotations of cluster BP:

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

Info for manual annotations of cluster BW:

- Start number 80 was manually annotated 2 times for cluster BW.

Info for manual annotations of cluster CQ1:

- Start number 76 was manually annotated 9 times for cluster CQ1.

Info for manual annotations of cluster CU1:

- Start number 77 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 77 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 77 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster DD:

- Start number 76 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster E:

- Start number 31 was manually annotated 1 time for cluster E.
- Start number 78 was manually annotated 133 times for cluster E.

Info for manual annotations of cluster EC:

- Start number 73 was manually annotated 1 time for cluster EC.
- Start number 75 was manually annotated 15 times for cluster EC.
- Start number 76 was manually annotated 33 times for cluster EC.

Info for manual annotations of cluster EI:

- Start number 75 was manually annotated 7 times for cluster EI.

Info for manual annotations of cluster EP:

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

Info for manual annotations of cluster FB:

- Start number 76 was manually annotated 8 times for cluster FB.

Info for manual annotations of cluster FG:

- Start number 76 was manually annotated 4 times for cluster FG.

Info for manual annotations of cluster FH:

- Start number 76 was manually annotated 7 times for cluster FH.

Info for manual annotations of cluster FJ:

- Start number 76 was manually annotated 4 times for cluster FJ.

Info for manual annotations of cluster FL:

- Start number 76 was manually annotated 4 times for cluster FL.

Info for manual annotations of cluster FN:

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

Info for manual annotations of cluster FQ1:

- Start number 76 was manually annotated 3 times for cluster FQ1.

Info for manual annotations of cluster GA:

- Start number 76 was manually annotated 17 times for cluster GA.

Info for manual annotations of cluster GF:

- Start number 76 was manually annotated 5 times for cluster GF.

Info for manual annotations of cluster KA:

- Start number 76 was manually annotated 2 times for cluster KA.

Info for manual annotations of cluster L4:

- Start number 79 was manually annotated 1 time for cluster L4.

Info for manual annotations of cluster M1:

- Start number 73 was manually annotated 1 time for cluster M1.

Info for manual annotations of cluster M3:

- Start number 73 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster UNK:

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

Gene Information:

Gene: 244_101 Start: 59239, Stop: 59679, Start Num: 78

Candidate Starts for 244_101:

(24, 59038), (26, 59041), (Start: 31 @59068 has 1 MA's), (32, 59071), (39, 59113), (56, 59167), (Start: 78 @59239 has 134 MA's), (96, 59338), (107, 59434), (115, 59470), (123, 59536), (130, 59584),

Gene: ABCat_97 Start: 60224, Stop: 60664, Start Num: 78

Candidate Starts for ABCat_97:

(Start: 78 @60224 has 134 MA's), (96, 60323), (115, 60455), (123, 60521), (130, 60569),

Gene: AWGoat_69 Start: 49925, Stop: 49359, Start Num: 76

Candidate Starts for AWGoat_69:

(Start: 76 @49925 has 238 MA's), (90, 49871), (92, 49844), (100, 49784), (105, 49739), (107, 49727), (112, 49703), (122, 49631), (148, 49412),

Gene: Abba_37 Start: 29639, Stop: 30190, Start Num: 76

Candidate Starts for Abba_37:

(Start: 76 @29639 has 238 MA's), (102, 29804), (112, 29864), (128, 29978), (130, 29990),

Gene: AbbyDaisy_73 Start: 38801, Stop: 39268, Start Num: 76

Candidate Starts for AbbyDaisy_73:

(20, 38504), (54, 38717), (Start: 76 @38801 has 238 MA's), (106, 38993), (133, 39170),

Gene: Abidatro_55 Start: 34615, Stop: 35133, Start Num: 76

Candidate Starts for Abidatro_55:

(Start: 76 @34615 has 238 MA's), (92, 34696), (95, 34711), (112, 34837), (113, 34843), (115, 34849), (124, 34921),

Gene: AdaS_69 Start: 36141, Stop: 36647, Start Num: 76

Candidate Starts for AdaS_69:

(Start: 76 @36141 has 238 MA's), (92, 36222), (109, 36360),

Gene: Adnama_104 Start: 59534, Stop: 59974, Start Num: 78

Candidate Starts for Adnama_104:

(24, 59333), (26, 59336), (Start: 31 @59363 has 1 MA's), (32, 59366), (39, 59408), (56, 59462), (Start: 78 @59534 has 134 MA's), (96, 59633), (115, 59765), (123, 59831), (130, 59879),

Gene: AdoptaAdorbs_54 Start: 33395, Stop: 33904, Start Num: 76

Candidate Starts for AdoptaAdorbs_54:

(Start: 76 @33395 has 238 MA's), (89, 33434), (92, 33476), (99, 33509), (104, 33569), (112, 33617), (115, 33629), (121, 33686), (124, 33701), (127, 33722), (130, 33743),

Gene: Aikyam_70 Start: 36571, Stop: 37089, Start Num: 76

Candidate Starts for Aikyam_70:

(Start: 76 @36571 has 238 MA's), (97, 36673), (109, 36790),

Gene: Alatato_54 Start: 31377, Stop: 31928, Start Num: 76

Candidate Starts for Alatato_54:

(Start: 76 @31377 has 238 MA's), (93, 31461), (109, 31596),

Gene: AlexMinion_54 Start: 33422, Stop: 33934, Start Num: 76

Candidate Starts for AlexMinion_54:

(Start: 76 @33422 has 238 MA's), (90, 33476), (99, 33536), (101, 33578), (104, 33596), (124, 33728), (127, 33749),

Gene: Altadena_40 Start: 29404, Stop: 29982, Start Num: 76

Candidate Starts for Altadena_40:

(Start: 76 @29404 has 238 MA's), (101, 29560), (112, 29626), (113, 29632), (121, 29695), (135, 29821),

Gene: Amanises_55 Start: 34987, Stop: 35466, Start Num: 76

Candidate Starts for Amanises_55:

(Start: 76 @34987 has 238 MA's), (92, 35068), (104, 35161), (112, 35209), (113, 35215), (124, 35293), (132, 35344),

Gene: Amao_100 Start: 59648, Stop: 60088, Start Num: 78

Candidate Starts for Amao_100:

(59, 59591), (Start: 78 @59648 has 134 MA's), (96, 59747), (115, 59879), (123, 59945), (130, 59993),

Gene: AmericanBeauty_104 Start: 59774, Stop: 60214, Start Num: 78

Candidate Starts for AmericanBeauty_104:

(24, 59573), (26, 59576), (Start: 31 @59603 has 1 MA's), (32, 59606), (39, 59648), (56, 59702), (Start: 78 @59774 has 134 MA's), (92, 59855), (96, 59873), (115, 60005), (123, 60071), (130, 60119),

Gene: AmiCi24_54 Start: 33504, Stop: 34013, Start Num: 76

Candidate Starts for AmiCi24_54:

(Start: 76 @33504 has 238 MA's), (89, 33543), (92, 33585), (99, 33618), (104, 33678), (112, 33726), (115, 33738), (121, 33795), (124, 33810), (127, 33831), (130, 33852),

Gene: Amphitrite_55 Start: 33394, Stop: 33903, Start Num: 76

Candidate Starts for Amphitrite_55:

(Start: 76 @33394 has 238 MA's), (89, 33433), (92, 33475), (99, 33508), (104, 33568), (112, 33616), (115, 33628), (121, 33685), (124, 33700), (127, 33721), (130, 33742),

Gene: Andrew_57 Start: 33845, Stop: 34357, Start Num: 76

Candidate Starts for Andrew_57:

(69, 33827), (Start: 76 @33845 has 238 MA's), (92, 33926), (95, 33941), (104, 34019), (107, 34043), (112, 34067), (113, 34073), (115, 34079), (121, 34136), (130, 34193), (142, 34271),

Gene: Anekin_74 Start: 39408, Stop: 39929, Start Num: 76

Candidate Starts for Anekin_74:

(Start: 76 @39408 has 238 MA's), (100, 39549), (109, 39627), (122, 39714),

Gene: Antares_64 Start: 40804, Stop: 41310, Start Num: 76

Candidate Starts for Antares_64:

(Start: 76 @40804 has 238 MA's), (83, 40819), (112, 41026), (124, 41110), (130, 41152),

Gene: Antrice_55 Start: 33380, Stop: 33889, Start Num: 76

Candidate Starts for Antrice_55:

(47, 33275), (Start: 76 @33380 has 238 MA's), (95, 33476), (108, 33581), (115, 33614), (128, 33716),

Gene: Antuna_47 Start: 28781, Stop: 29272, Start Num: 76

Candidate Starts for Antuna_47:

(Start: 76 @28781 has 238 MA's), (107, 28979), (112, 29003), (130, 29129),

Gene: Aphelion_126 Start: 72342, Stop: 72881, Start Num: 76

Candidate Starts for Aphelion_126:

(Start: 76 @72342 has 238 MA's), (82, 72357), (86, 72366), (112, 72564), (130, 72690), (134, 72741), (144, 72801),

Gene: ApoKipo_15 Start: 9802, Stop: 10389, Start Num: 76

Candidate Starts for ApoKipo_15:

(Start: 76 @9802 has 238 MA's), (92, 9883), (105, 9988), (107, 10000), (117, 10045), (130, 10150),

Gene: Appa_45 Start: 28538, Stop: 29032, Start Num: 76

Candidate Starts for Appa_45:

(Start: 76 @28538 has 238 MA's), (112, 28760), (117, 28781), (130, 28886),

Gene: ArV1_088 Start: 62726, Stop: 63295, Start Num: 76

Candidate Starts for ArV1_088:

(Start: 76 @62726 has 238 MA's), (86, 62750), (92, 62807), (102, 62888), (107, 62924), (112, 62948), (113, 62954), (115, 62960), (124, 63032), (127, 63053), (130, 63074), (149, 63242),

Gene: Argent26_104 Start: 59458, Stop: 59898, Start Num: 78

Candidate Starts for Argent26_104:

(24, 59257), (26, 59260), (Start: 31 @59287 has 1 MA's), (32, 59290), (39, 59332), (56, 59386), (Start: 78 @59458 has 134 MA's), (96, 59557), (115, 59689), (123, 59755), (130, 59803),

Gene: Ariadne_74 Start: 42439, Stop: 42945, Start Num: 75

Candidate Starts for Ariadne_74:

(50, 42349), (63, 42394), (Start: 73 @42436 has 4 MA's), (Start: 75 @42439 has 22 MA's), (104, 42613), (112, 42661), (113, 42667), (124, 42745), (130, 42787),

Gene: Asriel_98 Start: 57871, Stop: 58311, Start Num: 78

Candidate Starts for Asriel_98:

(24, 57670), (26, 57673), (Start: 31 @57700 has 1 MA's), (32, 57703), (39, 57745), (56, 57799), (Start: 78 @57871 has 134 MA's), (92, 57952), (96, 57970), (115, 58102), (123, 58168), (130, 58216),

Gene: Atlantica_55 Start: 33506, Stop: 34015, Start Num: 76

Candidate Starts for Atlantica_55:

(Start: 76 @33506 has 238 MA's), (89, 33545), (92, 33587), (99, 33620), (104, 33680), (112, 33728), (115, 33740), (121, 33797), (124, 33812), (127, 33833), (130, 33854),

Gene: Azaz_55 Start: 33586, Stop: 34098, Start Num: 76

Candidate Starts for Azaz_55:

(Start: 76 @33586 has 238 MA's), (92, 33667), (99, 33700), (104, 33760), (112, 33808), (115, 33820), (121, 33877), (124, 33892), (127, 33913), (130, 33934),

Gene: BaboJay_100 Start: 60412, Stop: 60852, Start Num: 78

Candidate Starts for BaboJay_100:

(Start: 78 @60412 has 134 MA's), (96, 60511), (115, 60643), (123, 60709), (130, 60757),

Gene: Babushka_52 Start: 33317, Stop: 33829, Start Num: 76

Candidate Starts for Babushka_52:

(Start: 76 @33317 has 238 MA's), (83, 33332), (92, 33398), (95, 33413), (99, 33431), (104, 33491), (113, 33545), (115, 33551), (121, 33608), (124, 33623), (150, 33788),

Gene: Bachita_129 Start: 72298, Stop: 72807, Start Num: 76

Candidate Starts for Bachita_129:

(Start: 76 @72298 has 238 MA's), (82, 72313), (86, 72322), (112, 72520), (130, 72646), (134, 72697), (144, 72757),

Gene: BadStone_97 Start: 59793, Stop: 60233, Start Num: 78

Candidate Starts for BadStone_97:

(Start: 78 @59793 has 134 MA's), (96, 59892), (115, 60024), (123, 60090), (130, 60138),

Gene: Balomoji_100 Start: 59654, Stop: 60094, Start Num: 78

Candidate Starts for Balomoji_100:

(24, 59453), (26, 59456), (Start: 31 @59483 has 1 MA's), (32, 59486), (39, 59528), (56, 59582), (Start: 78 @59654 has 134 MA's), (96, 59753), (107, 59849), (115, 59885), (123, 59951), (130, 59999),

Gene: Banquo_53 Start: 35074, Stop: 35562, Start Num: 77

Candidate Starts for Banquo_53:

(Start: 77 @35074 has 10 MA's), (102, 35236), (120, 35353), (121, 35365), (122, 35368), (124, 35380),

Gene: Barbarian_99 Start: 57871, Stop: 58311, Start Num: 78

Candidate Starts for Barbarian_99:

(24, 57670), (26, 57673), (Start: 31 @57700 has 1 MA's), (32, 57703), (39, 57745), (56, 57799), (Start: 78 @57871 has 134 MA's), (92, 57952), (96, 57970), (115, 58102), (123, 58168), (130, 58216),

Gene: BarretLemon_37 Start: 30898, Stop: 31434, Start Num: 76

Candidate Starts for BarretLemon_37:

(Start: 76 @30898 has 238 MA's), (86, 30922), (112, 31120), (130, 31246), (146, 31342),

Gene: Basilisk_53 Start: 33835, Stop: 34356, Start Num: 76

Candidate Starts for Basilisk_53:

(Start: 76 @33835 has 238 MA's), (92, 33916), (112, 34057), (113, 34063), (132, 34192),

Gene: Bask21_100 Start: 58510, Stop: 58950, Start Num: 78

Candidate Starts for Bask21_100:

(24, 58309), (26, 58312), (Start: 31 @58339 has 1 MA's), (32, 58342), (39, 58384), (56, 58438), (Start: 78 @58510 has 134 MA's), (92, 58591), (96, 58609), (115, 58741), (123, 58807), (130, 58855),

Gene: BasketStar_72 Start: 38904, Stop: 39422, Start Num: 76

Candidate Starts for BasketStar_72:

(Start: 76 @38904 has 238 MA's), (97, 39006), (109, 39123),

Gene: BeagleBug_63 Start: 40584, Stop: 41090, Start Num: 76

Candidate Starts for BeagleBug_63:

(Start: 76 @40584 has 238 MA's), (83, 40599), (112, 40806), (124, 40890), (130, 40932),

Gene: BellaJr_64 Start: 36885, Stop: 37349, Start Num: 76

Candidate Starts for BellaJr_64:

(20, 36588), (54, 36801), (Start: 76 @36885 has 238 MA's), (106, 37077), (110, 37107), (133, 37254),

Gene: Bench_103 Start: 60413, Stop: 60853, Start Num: 78

Candidate Starts for Bench_103:

(Start: 78 @60413 has 134 MA's), (96, 60512), (107, 60608), (115, 60644), (123, 60710), (130, 60758),

Gene: BenchScraper_72 Start: 37528, Stop: 38034, Start Num: 76

Candidate Starts for BenchScraper_72:

(Start: 76 @37528 has 238 MA's), (92, 37609), (109, 37747), (117, 37783), (122, 37834),

Gene: Bhageatrice_76 Start: 41192, Stop: 41716, Start Num: 76

Candidate Starts for Bhageatrice_76:

(Start: 76 @41192 has 238 MA's), (109, 41411), (123, 41504), (125, 41519),

Gene: BigBubba_100 Start: 58566, Stop: 59006, Start Num: 78

Candidate Starts for BigBubba_100:

(24, 58365), (26, 58368), (Start: 31 @58395 has 1 MA's), (32, 58398), (39, 58440), (56, 58494), (Start: 78 @58566 has 134 MA's), (92, 58647), (96, 58665), (107, 58761), (115, 58797), (123, 58863), (130, 58911),

Gene: BigDome_37 Start: 30890, Stop: 31423, Start Num: 76

Candidate Starts for BigDome_37:

(Start: 76 @30890 has 238 MA's), (86, 30914), (112, 31112), (128, 31226), (130, 31238), (146, 31331),

Gene: BilboSwaggins_98 Start: 60193, Stop: 60633, Start Num: 78

Candidate Starts for BilboSwaggins_98:

(Start: 78 @60193 has 134 MA's), (96, 60292), (107, 60388), (115, 60424), (123, 60490), (130, 60538),

Gene: BillyTP_73 Start: 39383, Stop: 39889, Start Num: 76

Candidate Starts for BillyTP_73:

(Start: 76 @39383 has 238 MA's), (92, 39464), (109, 39602),

Gene: BlackJade_52 Start: 34209, Stop: 34730, Start Num: 76

Candidate Starts for BlackJade_52:

(Start: 76 @34209 has 238 MA's), (92, 34290), (102, 34371), (105, 34395), (115, 34446), (122, 34506), (140, 34674),

Gene: BlackSpider_59 Start: 35527, Stop: 36036, Start Num: 76

Candidate Starts for BlackSpider_59:

(Start: 76 @35527 has 238 MA's), (109, 35746),

Gene: Blett_45 Start: 28732, Stop: 29223, Start Num: 76

Candidate Starts for Blett_45:

(Start: 76 @28732 has 238 MA's), (112, 28954), (117, 28975), (124, 29038), (130, 29080),

Gene: BlueShadow_70 Start: 38419, Stop: 38937, Start Num: 76

Candidate Starts for BlueShadow_70:

(Start: 76 @38419 has 238 MA's), (97, 38521), (109, 38638),

Gene: Bogg_100 Start: 59733, Stop: 60173, Start Num: 78

Candidate Starts for Bogg_100:

(Start: 78 @59733 has 134 MA's), (96, 59832), (107, 59928), (115, 59964), (123, 60030), (130, 60078),

Gene: Bolt007_43 Start: 32404, Stop: 32961, Start Num: 76

Candidate Starts for Bolt007_43:

(Start: 76 @32404 has 238 MA's), (112, 32626),

Gene: BossLady_37 Start: 30876, Stop: 31424, Start Num: 76

Candidate Starts for BossLady_37:

(53, 30789), (Start: 76 @30876 has 238 MA's), (86, 30900), (104, 31050), (105, 31062), (112, 31098), (127, 31203), (130, 31224), (143, 31308),

Gene: Bran_47 Start: 33745, Stop: 34197, Start Num: 76

Candidate Starts for Bran_47:

(1, 33049), (2, 33052), (3, 33067), (6, 33169), (7, 33190), (10, 33292), (16, 33382), (Start: 76 @33745 has 238 MA's), (92, 33829), (95, 33844), (99, 33862), (101, 33904), (108, 33949), (112, 33970), (130, 34096),

Gene: BrayBeast_55 Start: 31242, Stop: 31763, Start Num: 76

Candidate Starts for BrayBeast_55:

(Start: 76 @31242 has 238 MA's), (109, 31461),

Gene: BrazzalePHS_63 Start: 40566, Stop: 41072, Start Num: 76

Candidate Starts for BrazzalePHS_63:

(Start: 76 @40566 has 238 MA's), (83, 40581), (112, 40788), (124, 40872), (130, 40914),

Gene: Brent_35 Start: 30565, Stop: 31143, Start Num: 76

Candidate Starts for Brent_35:

(Start: 76 @30565 has 238 MA's), (86, 30589), (88, 30601), (105, 30751), (112, 30787), (130, 30913), (143, 31024),

Gene: Brewer_96 Start: 58392, Stop: 58832, Start Num: 78

Candidate Starts for Brewer_96:

(24, 58191), (26, 58194), (Start: 31 @58221 has 1 MA's), (32, 58224), (39, 58266), (56, 58320), (Start: 78 @58392 has 134 MA's), (92, 58473), (96, 58491), (115, 58623), (123, 58689), (130, 58737),

Gene: Bromden_84 Start: 55234, Stop: 55644, Start Num: 79
Candidate Starts for Bromden_84:
(Start: 79 @55234 has 2 MA's), (91, 55306), (95, 55327), (100, 55366), (101, 55381), (114, 55456),
(115, 55459),

Gene: BruhMoment_82 Start: 54954, Stop: 54415, Start Num: 76
Candidate Starts for BruhMoment_82:
(Start: 76 @54954 has 238 MA's), (104, 54780), (105, 54768), (107, 54756),

Gene: Bruin_97 Start: 58899, Stop: 59339, Start Num: 78
Candidate Starts for Bruin_97:
(Start: 78 @58899 has 134 MA's), (96, 58998), (107, 59094), (115, 59130), (123, 59196), (130, 59244),

Gene: Brynnie_51 Start: 33460, Stop: 33981, Start Num: 76
Candidate Starts for Brynnie_51:
(Start: 76 @33460 has 238 MA's), (92, 33541), (112, 33682), (113, 33688), (132, 33817),

Gene: Bubbykins_106 Start: 62400, Stop: 62954, Start Num: 76
Candidate Starts for Bubbykins_106:
(Start: 76 @62400 has 238 MA's), (92, 62481), (101, 62556), (113, 62628), (115, 62634),

Gene: Buck_101 Start: 60736, Stop: 61176, Start Num: 78
Candidate Starts for Buck_101:
(Start: 78 @60736 has 134 MA's), (96, 60835), (107, 60931), (115, 60967), (123, 61033), (130, 61081),

Gene: Budgie_107 Start: 60097, Stop: 60540, Start Num: 78
Candidate Starts for Budgie_107:
(Start: 78 @60097 has 134 MA's), (91, 60172), (124, 60400),

Gene: BugsBunny_99 Start: 60212, Stop: 60652, Start Num: 78
Candidate Starts for BugsBunny_99:
(Start: 78 @60212 has 134 MA's), (96, 60311), (107, 60407), (115, 60443), (123, 60509), (130, 60557),

Gene: Bumble_38 Start: 29473, Stop: 30051, Start Num: 76
Candidate Starts for Bumble_38:
(Start: 76 @29473 has 238 MA's), (101, 29629), (104, 29647), (112, 29695), (113, 29701), (141,
29926),

Gene: Busephilis_63 Start: 40511, Stop: 41017, Start Num: 76
Candidate Starts for Busephilis_63:
(Start: 76 @40511 has 238 MA's), (83, 40526), (112, 40733), (124, 40817), (130, 40859),

Gene: Bush_46 Start: 28681, Stop: 29172, Start Num: 76
Candidate Starts for Bush_46:
(Start: 76 @28681 has 238 MA's), (112, 28903), (117, 28924), (124, 28987),

Gene: Cactus_104 Start: 59153, Stop: 59593, Start Num: 78
Candidate Starts for Cactus_104:
(Start: 78 @59153 has 134 MA's), (96, 59252), (115, 59384), (123, 59450), (130, 59498),

Gene: CalWood4100_45 Start: 31895, Stop: 32452, Start Num: 76
Candidate Starts for CalWood4100_45:
(Start: 76 @31895 has 238 MA's), (112, 32117), (121, 32186),

Gene: Camara_55 Start: 33397, Stop: 33906, Start Num: 76

Candidate Starts for Camara_55:

(Start: 76 @33397 has 238 MA's), (89, 33436), (92, 33478), (99, 33511), (104, 33571), (112, 33619), (115, 33631), (121, 33688), (124, 33703), (127, 33724), (130, 33745),

Gene: Carrillo_47 Start: 28654, Stop: 29145, Start Num: 76

Candidate Starts for Carrillo_47:

(Start: 76 @28654 has 238 MA's), (112, 28876), (117, 28897), (124, 28960),

Gene: Chickaboom_54 Start: 34174, Stop: 34692, Start Num: 76

Candidate Starts for Chickaboom_54:

(Start: 76 @34174 has 238 MA's), (92, 34255), (112, 34396), (113, 34402), (121, 34465), (132, 34531),

Gene: Chicken_52 Start: 34312, Stop: 34791, Start Num: 76

Candidate Starts for Chicken_52:

(Start: 76 @34312 has 238 MA's), (113, 34540), (124, 34618), (132, 34669),

Gene: Chipper1996_1020 Start: 64351, Stop: 64920, Start Num: 76

Candidate Starts for Chipper1996_1020:

(Start: 76 @64351 has 238 MA's), (92, 64432), (101, 64507), (107, 64549), (112, 64573), (113, 64579), (115, 64585), (124, 64657), (127, 64678), (130, 64699),

Gene: Chocolat_101 Start: 64058, Stop: 64627, Start Num: 76

Candidate Starts for Chocolat_101:

(Start: 76 @64058 has 238 MA's), (92, 64139), (101, 64214), (107, 64256), (110, 64268), (112, 64280), (113, 64286), (115, 64292), (124, 64364), (127, 64385), (130, 64406),

Gene: ChosenOne_100 Start: 59101, Stop: 59541, Start Num: 78

Candidate Starts for ChosenOne_100:

(Start: 78 @59101 has 134 MA's), (96, 59200), (115, 59332), (123, 59398), (130, 59446),

Gene: ChotaBhai_100 Start: 59512, Stop: 59952, Start Num: 78

Candidate Starts for ChotaBhai_100:

(59, 59455), (Start: 78 @59512 has 134 MA's), (96, 59611), (115, 59743), (123, 59809), (130, 59857),

Gene: Chubster_101 Start: 64298, Stop: 64867, Start Num: 76

Candidate Starts for Chubster_101:

(Start: 76 @64298 has 238 MA's), (92, 64379), (101, 64454), (107, 64496), (112, 64520), (113, 64526), (115, 64532), (124, 64604), (127, 64625), (130, 64646),

Gene: Cinna_60 Start: 41333, Stop: 41833, Start Num: 75

Candidate Starts for Cinna_60:

(Start: 75 @41333 has 22 MA's), (112, 41555), (113, 41561), (124, 41639),

Gene: Circuit_38 Start: 30441, Stop: 31019, Start Num: 76

Candidate Starts for Circuit_38:

(57, 30369), (Start: 76 @30441 has 238 MA's), (101, 30597), (104, 30615), (112, 30663), (113, 30669), (141, 30906),

Gene: Cjw1_101 Start: 61106, Stop: 61546, Start Num: 78

Candidate Starts for Cjw1_101:

(Start: 78 @61106 has 134 MA's), (96, 61205), (107, 61301), (115, 61337), (123, 61403), (130, 61451),

Gene: ClearAsMud_68 Start: 41092, Stop: 41592, Start Num: 75

Candidate Starts for ClearAsMud_68:

(Start: 75 @41092 has 22 MA's), (92, 41173), (112, 41314), (124, 41398), (130, 41440),

Gene: ClubL_126 Start: 70869, Stop: 71378, Start Num: 76

Candidate Starts for ClubL_126:

(Start: 76 @70869 has 238 MA's), (82, 70884), (86, 70893), (112, 71091), (130, 71217), (134, 71268), (144, 71328),

Gene: Colossa_42 Start: 32262, Stop: 32750, Start Num: 76

Candidate Starts for Colossa_42:

(72, 32253), (Start: 76 @32262 has 238 MA's), (92, 32343), (94, 32352), (101, 32418), (104, 32436), (113, 32490), (114, 32493),

Gene: Colucci_104 Start: 64674, Stop: 65246, Start Num: 76

Candidate Starts for Colucci_104:

(Start: 76 @64674 has 238 MA's), (86, 64698), (92, 64755), (102, 64836), (107, 64872), (112, 64896), (113, 64902), (115, 64908), (124, 64980), (127, 65001), (130, 65022),

Gene: Command613_102 Start: 59668, Stop: 60108, Start Num: 78

Candidate Starts for Command613_102:

(24, 59467), (26, 59470), (Start: 31 @59497 has 1 MA's), (32, 59500), (39, 59542), (56, 59596), (Start: 78 @59668 has 134 MA's), (96, 59767), (115, 59899), (123, 59965), (130, 60013),

Gene: Conboy_100 Start: 63864, Stop: 64433, Start Num: 76

Candidate Starts for Conboy_100:

(Start: 76 @63864 has 238 MA's), (86, 63888), (92, 63945), (102, 64026), (107, 64062), (112, 64086), (113, 64092), (115, 64098), (124, 64170), (127, 64191), (130, 64212),

Gene: Contagion_96 Start: 59261, Stop: 59701, Start Num: 78

Candidate Starts for Contagion_96:

(Start: 78 @59261 has 134 MA's), (96, 59360), (107, 59456), (115, 59492), (123, 59558), (130, 59606),

Gene: CookieBear_71 Start: 38002, Stop: 38508, Start Num: 76

Candidate Starts for CookieBear_71:

(Start: 76 @38002 has 238 MA's), (97, 38104), (109, 38221),

Gene: CookieDog_45 Start: 28654, Stop: 29145, Start Num: 76

Candidate Starts for CookieDog_45:

(Start: 76 @28654 has 238 MA's), (112, 28876), (117, 28897), (124, 28960),

Gene: Cookies_97 Start: 59438, Stop: 59878, Start Num: 78

Candidate Starts for Cookies_97:

(59, 59381), (Start: 78 @59438 has 134 MA's), (96, 59537), (115, 59669), (123, 59735), (130, 59783),

Gene: CosmicBrownie_67 Start: 37142, Stop: 37669, Start Num: 76

Candidate Starts for CosmicBrownie_67:

(Start: 76 @37142 has 238 MA's), (109, 37361), (136, 37574),

Gene: Cranjis_65 Start: 40759, Stop: 41265, Start Num: 76

Candidate Starts for Cranjis_65:

(Start: 76 @40759 has 238 MA's), (83, 40774), (112, 40981), (124, 41065), (130, 41107),

Gene: CrazyRich_63 Start: 40568, Stop: 41071, Start Num: 76

Candidate Starts for CrazyRich_63:

(Start: 76 @40568 has 238 MA's), (83, 40583), (112, 40790), (124, 40874), (130, 40916),

Gene: Crescenzo_73 Start: 40122, Stop: 40631, Start Num: 76

Candidate Starts for Crescenzo_73:

(Start: 76 @40122 has 238 MA's), (92, 40203), (109, 40341), (117, 40377), (127, 40461),

Gene: Cressida_63 Start: 40938, Stop: 41438, Start Num: 75

Candidate Starts for Cressida_63:

(Start: 75 @40938 has 22 MA's), (104, 41112), (112, 41160), (113, 41166), (124, 41244),

Gene: Crisis_65 Start: 40574, Stop: 41080, Start Num: 76

Candidate Starts for Crisis_65:

(Start: 76 @40574 has 238 MA's), (83, 40589), (112, 40796), (124, 40880), (130, 40922),

Gene: CrystalP_99 Start: 60193, Stop: 60633, Start Num: 78

Candidate Starts for CrystalP_99:

(Start: 78 @60193 has 134 MA's), (96, 60292), (107, 60388), (115, 60424), (123, 60490), (130, 60538),

Gene: Cucurbita_127 Start: 72611, Stop: 73120, Start Num: 76

Candidate Starts for Cucurbita_127:

(Start: 76 @72611 has 238 MA's), (82, 72626), (86, 72635), (112, 72833), (130, 72959), (134, 73010), (144, 73070),

Gene: Culver_126 Start: 70629, Stop: 71138, Start Num: 76

Candidate Starts for Culver_126:

(Start: 76 @70629 has 238 MA's), (82, 70644), (86, 70653), (112, 70851), (130, 70977), (134, 71028), (144, 71088),

Gene: Cygnet_54 Start: 33984, Stop: 34493, Start Num: 76

Candidate Starts for Cygnet_54:

(47, 33879), (Start: 76 @33984 has 238 MA's), (95, 34080), (99, 34098), (108, 34185), (115, 34218), (128, 34320),

Gene: Czyszczone1_101 Start: 59453, Stop: 59893, Start Num: 78

Candidate Starts for Czyszczone1_101:

(24, 59252), (26, 59255), (Start: 31 @59282 has 1 MA's), (32, 59285), (39, 59327), (56, 59381), (Start: 78 @59453 has 134 MA's), (96, 59552), (107, 59648), (115, 59684), (123, 59750), (130, 59798),

Gene: DaRealMyers_44 Start: 31983, Stop: 32510, Start Num: 76

Candidate Starts for DaRealMyers_44:

(19, 31692), (21, 31707), (28, 31800), (46, 31881), (48, 31890), (Start: 76 @31983 has 238 MA's), (103, 32151), (113, 32211), (116, 32220), (130, 32328), (147, 32490),

Gene: Daikon_100 Start: 59067, Stop: 59507, Start Num: 78

Candidate Starts for Daikon_100:

(56, 58995), (Start: 78 @59067 has 134 MA's), (96, 59166), (107, 59262), (115, 59298), (123, 59364), (130, 59412),

Gene: DanHam62_55 Start: 33505, Stop: 34014, Start Num: 76

Candidate Starts for DanHam62_55:

(Start: 76 @33505 has 238 MA's), (89, 33544), (92, 33586), (99, 33619), (104, 33679), (112, 33727), (115, 33739), (121, 33796), (124, 33811), (127, 33832), (130, 33853),

Gene: Dardanus_49 Start: 33729, Stop: 34202, Start Num: 77

Candidate Starts for Dardanus_49:

(30, 33552), (Start: 77 @33729 has 10 MA's), (90, 33783), (99, 33843), (102, 33891), (103, 33897), (114, 33960), (121, 34020), (123, 34029),

Gene: Darolandstone_44 Start: 33598, Stop: 34095, Start Num: 76

Candidate Starts for Darolandstone_44:

(41, 33475), (44, 33484), (Start: 76 @33598 has 238 MA's), (95, 33694), (104, 33772), (113, 33826),

Gene: DarwinJr_75 Start: 40077, Stop: 40586, Start Num: 76

Candidate Starts for DarwinJr_75:

(Start: 76 @40077 has 238 MA's), (92, 40158), (109, 40296), (117, 40332), (127, 40416),

Gene: DelaGarza_43 Start: 26483, Stop: 25980, Start Num: 76

Candidate Starts for DelaGarza_43:

(Start: 76 @26483 has 238 MA's), (112, 26261), (130, 26135),

Gene: Ding_63 Start: 37319, Stop: 37894, Start Num: 76

Candidate Starts for Ding_63:

(Start: 76 @37319 has 238 MA's), (107, 37517), (113, 37547),

Gene: DinoDaryn_55 Start: 35610, Stop: 36101, Start Num: 77

Candidate Starts for DinoDaryn_55:

(Start: 77 @35610 has 10 MA's), (90, 35664), (102, 35772), (115, 35844), (124, 35916),

Gene: DoctorDiddles_99 Start: 58916, Stop: 59356, Start Num: 78

Candidate Starts for DoctorDiddles_99:

(24, 58715), (26, 58718), (Start: 31 @58745 has 1 MA's), (32, 58748), (39, 58790), (56, 58844), (Start: 78 @58916 has 134 MA's), (92, 58997), (96, 59015), (115, 59147), (123, 59213), (130, 59261),

Gene: Doucette_53 Start: 34241, Stop: 34705, Start Num: 80

Candidate Starts for Doucette_53:

(Start: 80 @34241 has 2 MA's), (95, 34331), (103, 34400), (115, 34466),

Gene: DrDrey_100 Start: 60931, Stop: 61371, Start Num: 78

Candidate Starts for DrDrey_100:

(Start: 78 @60931 has 134 MA's), (96, 61030), (115, 61162), (123, 61228), (130, 61276),

Gene: DrYang_97 Start: 63553, Stop: 64098, Start Num: 76

Candidate Starts for DrYang_97:

(38, 63412), (71, 63526), (Start: 76 @63553 has 238 MA's), (100, 63694), (102, 63715), (103, 63721), (107, 63751), (112, 63775), (116, 63790), (123, 63853),

Gene: DreamEater_52 Start: 35281, Stop: 35736, Start Num: 76

Candidate Starts for DreamEater_52:

(70, 35254), (Start: 76 @35281 has 238 MA's), (92, 35362), (101, 35437), (104, 35455), (105, 35467), (122, 35575), (127, 35608), (137, 35725),

Gene: Dropshot_45 Start: 28373, Stop: 28867, Start Num: 76

Candidate Starts for Dropshot_45:

(Start: 76 @28373 has 238 MA's), (112, 28595), (117, 28616), (130, 28721),

Gene: Dumbo_100 Start: 59489, Stop: 59929, Start Num: 78

Candidate Starts for Dumbo_100:

(Start: 78 @59489 has 134 MA's), (96, 59588), (115, 59720), (123, 59786), (130, 59834),

Gene: Dusk_97 Start: 59453, Stop: 59893, Start Num: 78

Candidate Starts for Dusk_97:

(Start: 78 @59453 has 134 MA's), (96, 59552), (115, 59684), (123, 59750), (130, 59798),

Gene: E6_53 Start: 34060, Stop: 34527, Start Num: 80

Candidate Starts for E6_53:

(27, 33853), (29, 33862), (37, 33910), (40, 33913), (Start: 80 @34060 has 2 MA's), (95, 34150), (103, 34219), (113, 34279), (126, 34372),

Gene: EarickHC_65 Start: 40496, Stop: 41002, Start Num: 76

Candidate Starts for EarickHC_65:

(Start: 76 @40496 has 238 MA's), (83, 40511), (112, 40718), (124, 40802), (130, 40844),

Gene: EastWest_38 Start: 30167, Stop: 30706, Start Num: 78

Candidate Starts for EastWest_38:

(74, 30161), (Start: 78 @30167 has 134 MA's), (130, 30512),

Gene: Easy2Say_100 Start: 59925, Stop: 60365, Start Num: 78

Candidate Starts for Easy2Say_100:

(24, 59724), (26, 59727), (Start: 31 @59754 has 1 MA's), (32, 59757), (39, 59799), (56, 59853), (Start: 78 @59925 has 134 MA's), (96, 60024), (115, 60156), (123, 60222), (130, 60270),

Gene: EdgarPoe_101 Start: 64215, Stop: 64784, Start Num: 76

Candidate Starts for EdgarPoe_101:

(Start: 76 @64215 has 238 MA's), (92, 64296), (101, 64371), (107, 64413), (110, 64425), (112, 64437), (113, 64443), (115, 64449), (124, 64521), (130, 64563),

Gene: Eesa_52 Start: 34727, Stop: 35206, Start Num: 76

Candidate Starts for Eesa_52:

(Start: 76 @34727 has 238 MA's), (92, 34808), (104, 34901), (112, 34949), (113, 34955), (124, 35033), (132, 35084),

Gene: Elite2014_99 Start: 59100, Stop: 59540, Start Num: 78

Candidate Starts for Elite2014_99:

(Start: 78 @59100 has 134 MA's), (96, 59199), (115, 59331), (123, 59397), (130, 59445),

Gene: Elph10_100 Start: 59135, Stop: 59575, Start Num: 78

Candidate Starts for Elph10_100:

(Start: 78 @59135 has 134 MA's), (96, 59234), (107, 59330), (115, 59366), (123, 59432), (130, 59480),

Gene: Emmina_100 Start: 58876, Stop: 59316, Start Num: 78

Candidate Starts for Emmina_100:

(Start: 78 @58876 has 134 MA's), (96, 58975), (107, 59071), (115, 59107), (123, 59173), (130, 59221),

Gene: Engineer_128 Start: 72271, Stop: 72780, Start Num: 76

Candidate Starts for Engineer_128:

(Start: 76 @72271 has 238 MA's), (82, 72286), (86, 72295), (112, 72493), (130, 72619), (134, 72670), (144, 72730),

Gene: Eureka_99 Start: 60064, Stop: 60504, Start Num: 78

Candidate Starts for Eureka_99:

(Start: 78 @60064 has 134 MA's), (96, 60163), (107, 60259), (115, 60295), (123, 60361), (130, 60409),

Gene: EvePickles_69 Start: 38354, Stop: 38866, Start Num: 76

Candidate Starts for EvePickles_69:

(Start: 76 @38354 has 238 MA's), (92, 38435), (109, 38573),

Gene: FairyPath_101 Start: 60369, Stop: 60809, Start Num: 78

Candidate Starts for FairyPath_101:

(Start: 78 @60369 has 134 MA's), (96, 60468), (115, 60600), (123, 60666), (130, 60714),

Gene: Faja_73 Start: 39133, Stop: 39654, Start Num: 76

Candidate Starts for Faja_73:

(Start: 76 @39133 has 238 MA's), (92, 39214), (109, 39352),

Gene: Filch_102 Start: 59448, Stop: 59888, Start Num: 78

Candidate Starts for Filch_102:

(Start: 78 @59448 has 134 MA's), (96, 59547), (107, 59643), (115, 59679), (123, 59745), (130, 59793),

Gene: Fingolfin_55 Start: 33508, Stop: 34017, Start Num: 76

Candidate Starts for Fingolfin_55:

(Start: 76 @33508 has 238 MA's), (89, 33547), (92, 33589), (99, 33622), (104, 33682), (112, 33730), (115, 33742), (121, 33799), (124, 33814), (127, 33835), (130, 33856),

Gene: Finkle_70 Start: 43173, Stop: 43691, Start Num: 79

Candidate Starts for Finkle_70:

(61, 43113), (Start: 79 @43173 has 2 MA's), (88, 43206),

Gene: FireRed_103 Start: 60340, Stop: 60780, Start Num: 78

Candidate Starts for FireRed_103:

(Start: 78 @60340 has 134 MA's), (96, 60439), (107, 60535), (115, 60571), (123, 60637), (130, 60685),

Gene: Fireman_67 Start: 42549, Stop: 43052, Start Num: 75

Candidate Starts for Fireman_67:

(Start: 75 @42549 has 22 MA's), (104, 42723), (112, 42771), (130, 42897),

Gene: Flypotenuse_96 Start: 58525, Stop: 58965, Start Num: 78

Candidate Starts for Flypotenuse_96:

(24, 58324), (26, 58327), (Start: 31 @58354 has 1 MA's), (32, 58357), (39, 58399), (56, 58453), (Start: 78 @58525 has 134 MA's), (92, 58606), (96, 58624), (115, 58756), (123, 58822), (130, 58870),

Gene: FoghornLeghorn_93 Start: 57230, Stop: 57670, Start Num: 78

Candidate Starts for FoghornLeghorn_93:

(24, 57029), (26, 57032), (Start: 31 @57059 has 1 MA's), (32, 57062), (39, 57104), (56, 57158), (Start: 78 @57230 has 134 MA's), (92, 57311), (96, 57329), (115, 57461), (123, 57527), (130, 57575),

Gene: Franzy_35 Start: 30564, Stop: 31142, Start Num: 76

Candidate Starts for Franzy_35:

(55, 30480), (Start: 76 @30564 has 238 MA's), (86, 30588), (88, 30600), (105, 30750), (112, 30786), (115, 30798), (130, 30912), (143, 31023),

Gene: GUPitcher_52 Start: 35415, Stop: 35852, Start Num: 76

Candidate Starts for GUPitcher_52:

(Start: 76 @35415 has 238 MA's), (92, 35496), (105, 35601), (113, 35643), (121, 35706), (127, 35742),

Gene: Gage_102 Start: 59596, Stop: 60036, Start Num: 78

Candidate Starts for Gage_102:

(24, 59395), (26, 59398), (Start: 31 @59425 has 1 MA's), (32, 59428), (39, 59470), (56, 59524), (Start: 78 @59596 has 134 MA's), (96, 59695), (115, 59827), (123, 59893), (130, 59941),

Gene: Galaxy_52 Start: 33030, Stop: 33548, Start Num: 76

Candidate Starts for Galaxy_52:

(Start: 76 @33030 has 238 MA's), (92, 33111), (95, 33126), (112, 33252), (113, 33258), (115, 33264), (124, 33336), (148, 33495),

Gene: Ganandorf_63 Start: 40592, Stop: 41098, Start Num: 76

Candidate Starts for Ganandorf_63:

(Start: 76 @40592 has 238 MA's), (83, 40607), (112, 40814), (124, 40898), (130, 40940),

Gene: Gator_98 Start: 59381, Stop: 59821, Start Num: 78

Candidate Starts for Gator_98:

(24, 59180), (26, 59183), (Start: 31 @59210 has 1 MA's), (32, 59213), (39, 59255), (56, 59309), (Start: 78 @59381 has 134 MA's), (92, 59462), (96, 59480), (115, 59612), (123, 59678), (130, 59726),

Gene: Gemini_105 Start: 59975, Stop: 60415, Start Num: 78

Candidate Starts for Gemini_105:

(24, 59774), (26, 59777), (Start: 31 @59804 has 1 MA's), (32, 59807), (39, 59849), (56, 59903), (Start: 78 @59975 has 134 MA's), (96, 60074), (115, 60206), (123, 60272), (130, 60320),

Gene: Germa_66 Start: 40422, Stop: 40928, Start Num: 76

Candidate Starts for Germa_66:

(58, 40362), (Start: 76 @40422 has 238 MA's), (83, 40437), (112, 40644), (124, 40728), (130, 40770),

Gene: Gibbzilla_62 Start: 32565, Stop: 33086, Start Num: 76

Candidate Starts for Gibbzilla_62:

(17, 32253), (23, 32310), (Start: 76 @32565 has 238 MA's), (93, 32649), (95, 32661), (109, 32784),

Gene: Gilgamesh_89 Start: 83492, Stop: 83953, Start Num: 76

Candidate Starts for Gilgamesh_89:

(Start: 76 @83492 has 238 MA's), (104, 83666), (112, 83714), (115, 83726),

Gene: Gina_68 Start: 40668, Stop: 41171, Start Num: 75

Candidate Starts for Gina_68:

(Start: 75 @40668 has 22 MA's), (112, 40890), (124, 40974),

Gene: Gingerbug_42 Start: 27000, Stop: 26503, Start Num: 76

Candidate Starts for Gingerbug_42:

(8, 27522), (18, 27312), (21, 27285), (22, 27270), (Start: 76 @27000 has 238 MA's), (92, 26919), (102, 26838), (130, 26652),

Gene: Glexan_99 Start: 59655, Stop: 60095, Start Num: 78

Candidate Starts for Glexan_99:

(24, 59454), (26, 59457), (Start: 31 @59484 has 1 MA's), (32, 59487), (39, 59529), (56, 59583), (Start: 78 @59655 has 134 MA's), (92, 59736), (96, 59754), (115, 59886), (123, 59952), (130, 60000),

Gene: Glorp_65 Start: 40559, Stop: 41062, Start Num: 76

Candidate Starts for Glorp_65:

(Start: 76 @40559 has 238 MA's), (83, 40574), (112, 40781), (124, 40865), (130, 40907),

Gene: Glotell_56 Start: 33552, Stop: 34061, Start Num: 76

Candidate Starts for Glotell_56:

(Start: 76 @33552 has 238 MA's), (89, 33591), (92, 33633), (99, 33666), (104, 33726), (112, 33774), (115, 33786), (121, 33843), (124, 33858), (127, 33879), (130, 33900),

Gene: Goib_55 Start: 36148, Stop: 36654, Start Num: 77

Candidate Starts for Goib_55:

(Start: 77 @36148 has 10 MA's), (102, 36310), (115, 36382), (124, 36454), (130, 36496),

Gene: Goku_99 Start: 59793, Stop: 60233, Start Num: 78

Candidate Starts for Goku_99:

(Start: 78 @59793 has 134 MA's), (96, 59892), (107, 59988), (115, 60024), (123, 60090), (130, 60138),

Gene: GoldDust_38 Start: 32737, Stop: 33288, Start Num: 76

Candidate Starts for GoldDust_38:

(Start: 76 @32737 has 238 MA's), (86, 32761), (112, 32959), (115, 32971),

Gene: GoldenSpark_104 Start: 59458, Stop: 59898, Start Num: 78

Candidate Starts for GoldenSpark_104:

(24, 59257), (26, 59260), (Start: 31 @59287 has 1 MA's), (32, 59290), (39, 59332), (56, 59386), (Start: 78 @59458 has 134 MA's), (96, 59557), (115, 59689), (123, 59755), (130, 59803),

Gene: Goldilocks_103 Start: 59375, Stop: 59815, Start Num: 78

Candidate Starts for Goldilocks_103:

(Start: 78 @59375 has 134 MA's), (96, 59474), (115, 59606), (123, 59672), (130, 59720),

Gene: GooberAzure_103 Start: 59458, Stop: 59898, Start Num: 78

Candidate Starts for GooberAzure_103:

(24, 59257), (26, 59260), (Start: 31 @59287 has 1 MA's), (32, 59290), (39, 59332), (56, 59386), (Start: 78 @59458 has 134 MA's), (96, 59557), (115, 59689), (123, 59755), (130, 59803),

Gene: Gooberta_38 Start: 32736, Stop: 33287, Start Num: 76

Candidate Starts for Gooberta_38:

(Start: 76 @32736 has 238 MA's), (86, 32760), (112, 32958), (115, 32970),

Gene: Gorpy_70 Start: 38991, Stop: 39509, Start Num: 76

Candidate Starts for Gorpy_70:

(Start: 76 @38991 has 238 MA's), (97, 39093), (109, 39210),

Gene: Gravel_64 Start: 35301, Stop: 35780, Start Num: 76

Candidate Starts for Gravel_64:

(Start: 76 @35301 has 238 MA's), (92, 35382), (104, 35475), (112, 35523), (113, 35529), (124, 35607), (132, 35658),

Gene: GravityBall_37 Start: 30898, Stop: 31446, Start Num: 76

Candidate Starts for GravityBall_37:

(Start: 76 @30898 has 238 MA's), (86, 30922), (112, 31120), (128, 31234), (130, 31246), (143, 31324),

Gene: Greep_104 Start: 61030, Stop: 61470, Start Num: 78

Candidate Starts for Greep_104:

(Start: 78 @61030 has 134 MA's), (96, 61129), (107, 61225), (115, 61261), (123, 61327), (130, 61375),

Gene: Grekaycon_37 Start: 30822, Stop: 31370, Start Num: 76

Candidate Starts for Grekaycon_37:

(53, 30735), (Start: 76 @30822 has 238 MA's), (86, 30846), (105, 31008), (112, 31044), (127, 31149), (130, 31170), (143, 31254),

Gene: Gspu1_47 Start: 34521, Stop: 34976, Start Num: 77

Candidate Starts for Gspu1_47:

(9, 34035), (14, 34152), (18, 34212), (30, 34338), (33, 34353), (35, 34377), (45, 34407), (Start: 77 @34521 has 10 MA's), (94, 34608), (99, 34632), (104, 34686), (119, 34764), (131, 34860),

Gene: Guzman_45 Start: 28637, Stop: 29128, Start Num: 76

Candidate Starts for Guzman_45:

(Start: 76 @28637 has 238 MA's), (112, 28859), (117, 28880), (124, 28943),

Gene: HamCheese_55 Start: 33492, Stop: 34001, Start Num: 76

Candidate Starts for HamCheese_55:

(Start: 76 @33492 has 238 MA's), (89, 33531), (92, 33573), (99, 33606), (104, 33666), (112, 33714), (115, 33726), (121, 33783), (124, 33798), (127, 33819), (130, 33840),

Gene: HanKaySha_101 Start: 59845, Stop: 60285, Start Num: 78

Candidate Starts for HanKaySha_101:

(Start: 78 @59845 has 134 MA's), (96, 59944), (107, 60040), (115, 60076), (123, 60142), (130, 60190),

Gene: Harella_100 Start: 60171, Stop: 60611, Start Num: 78

Candidate Starts for Harella_100:

(24, 59970), (26, 59973), (Start: 31 @60000 has 1 MA's), (32, 60003), (39, 60045), (56, 60099), (Start: 78 @60171 has 134 MA's), (92, 60252), (96, 60270), (115, 60402), (123, 60468), (130, 60516),

Gene: Henry_97 Start: 59498, Stop: 59938, Start Num: 78

Candidate Starts for Henry_97:

(Start: 78 @59498 has 134 MA's), (96, 59597), (107, 59693), (115, 59729), (123, 59795), (130, 59843),

Gene: Hermeonysus_64 Start: 40487, Stop: 40993, Start Num: 76

Candidate Starts for Hermeonysus_64:

(Start: 76 @40487 has 238 MA's), (83, 40502), (112, 40709), (124, 40793), (130, 40835),

Gene: Hestia_64 Start: 35356, Stop: 35877, Start Num: 76

Candidate Starts for Hestia_64:

(Start: 76 @35356 has 238 MA's), (92, 35437), (109, 35575),

Gene: Highbury_97 Start: 58002, Stop: 58442, Start Num: 78

Candidate Starts for Highbury_97:

(34, 57852), (43, 57882), (57, 57930), (60, 57945), (64, 57957), (Start: 78 @58002 has 134 MA's), (96, 58101), (107, 58197), (115, 58233), (123, 58299), (130, 58347),

Gene: Hirko_37 Start: 32245, Stop: 32802, Start Num: 76

Candidate Starts for Hirko_37:

(Start: 76 @32245 has 238 MA's), (102, 32407), (112, 32467), (121, 32536),

Gene: Holt_105 Start: 59872, Stop: 60312, Start Num: 78

Candidate Starts for Holt_105:

(24, 59671), (26, 59674), (Start: 31 @59701 has 1 MA's), (32, 59704), (39, 59746), (56, 59800), (Start: 78 @59872 has 134 MA's), (96, 59971), (115, 60103), (123, 60169), (130, 60217),

Gene: Honeyfin_65 Start: 40747, Stop: 41253, Start Num: 76

Candidate Starts for Honeyfin_65:

(Start: 76 @40747 has 238 MA's), (83, 40762), (112, 40969), (124, 41053), (130, 41095),

Gene: Hoonter_103 Start: 59949, Stop: 60389, Start Num: 78

Candidate Starts for Hoonter_103:

(Start: 78 @59949 has 134 MA's), (96, 60048), (107, 60144), (115, 60180), (123, 60246), (130, 60294),

Gene: Hopey_101 Start: 60455, Stop: 60895, Start Num: 78

Candidate Starts for Hopey_101:

(Start: 78 @60455 has 134 MA's), (96, 60554), (107, 60650), (115, 60686), (123, 60752), (130, 60800),

Gene: HufflyPuff_102 Start: 60566, Stop: 61006, Start Num: 78

Candidate Starts for HufflyPuff_102:

(59, 60509), (Start: 78 @60566 has 134 MA's), (96, 60665), (115, 60797), (123, 60863), (130, 60911),

Gene: Huffy_55 Start: 35610, Stop: 36101, Start Num: 77

Candidate Starts for Huffy_55:

(Start: 77 @35610 has 10 MA's), (90, 35664), (102, 35772), (115, 35844), (124, 35916),

Gene: Hum25_61 Start: 35235, Stop: 35735, Start Num: 76

Candidate Starts for Hum25_61:

(Start: 76 @35235 has 238 MA's), (86, 35259), (92, 35316), (104, 35409), (112, 35457), (127, 35562), (130, 35583),

Gene: HumptyDumpty_101 Start: 64018, Stop: 64587, Start Num: 76

Candidate Starts for HumptyDumpty_101:

(Start: 76 @64018 has 238 MA's), (92, 64099), (101, 64174), (107, 64216), (112, 64240), (113, 64246), (115, 64252), (124, 64324), (127, 64345), (130, 64366),

Gene: IHOP_98 Start: 59174, Stop: 59614, Start Num: 78

Candidate Starts for IHOP_98:

(24, 58973), (26, 58976), (Start: 31 @59003 has 1 MA's), (32, 59006), (39, 59048), (51, 59090), (56, 59102), (Start: 78 @59174 has 134 MA's), (92, 59255), (96, 59273), (115, 59405), (123, 59471), (130, 59519),

Gene: Icee_101 Start: 58982, Stop: 59422, Start Num: 78

Candidate Starts for Icee_101:

(24, 58781), (26, 58784), (Start: 31 @58811 has 1 MA's), (32, 58814), (39, 58856), (56, 58910), (Start: 78 @58982 has 134 MA's), (92, 59063), (96, 59081), (115, 59213), (123, 59279), (130, 59327),

Gene: Inca_97 Start: 57663, Stop: 58103, Start Num: 78

Candidate Starts for Inca_97:

(24, 57462), (26, 57465), (Start: 31 @57492 has 1 MA's), (32, 57495), (39, 57537), (56, 57591), (Start: 78 @57663 has 134 MA's), (92, 57744), (96, 57762), (115, 57894), (123, 57960), (130, 58008),

Gene: Isolde_70 Start: 38113, Stop: 38619, Start Num: 76

Candidate Starts for Isolde_70:

(Start: 76 @38113 has 238 MA's), (109, 38332),

Gene: JKerns_37 Start: 30786, Stop: 31343, Start Num: 76

Candidate Starts for JKerns_37:

(53, 30699), (Start: 76 @30786 has 238 MA's), (86, 30810), (111, 30999), (112, 31008), (127, 31113), (128, 31122), (130, 31134), (143, 31227),

Gene: JaNo_100 Start: 63989, Stop: 64558, Start Num: 76

Candidate Starts for JaNo_100:

(Start: 76 @63989 has 238 MA's), (92, 64070), (101, 64145), (107, 64187), (112, 64211), (113, 64217), (115, 64223), (124, 64295), (127, 64316), (130, 64337),

Gene: Jakelyne_47 Start: 28747, Stop: 29238, Start Num: 76

Candidate Starts for Jakelyne_47:

(Start: 76 @28747 has 238 MA's), (112, 28969), (124, 29053), (130, 29095),

Gene: Jamun_52 Start: 34262, Stop: 34783, Start Num: 76

Candidate Starts for Jamun_52:

(Start: 76 @34262 has 238 MA's), (112, 34484), (113, 34490), (115, 34496), (121, 34553), (132, 34619), (148, 34730),

Gene: JayCookie_102 Start: 64608, Stop: 65165, Start Num: 76

Candidate Starts for JayCookie_102:

(Start: 76 @64608 has 238 MA's), (86, 64632), (92, 64689), (102, 64770), (107, 64806), (110, 64818), (112, 64830), (113, 64836), (115, 64842), (124, 64914), (130, 64956),

Gene: Jayden_65 Start: 41095, Stop: 41595, Start Num: 76

Candidate Starts for Jayden_65:

(42, 40975), (74, 41092), (Start: 76 @41095 has 238 MA's), (104, 41269), (112, 41317), (118, 41341), (124, 41401), (130, 41443),

Gene: JeTaime_99 Start: 59281, Stop: 59721, Start Num: 78

Candidate Starts for JeTaime_99:

(56, 59209), (Start: 78 @59281 has 134 MA's), (92, 59362), (96, 59380), (115, 59512), (123, 59578), (130, 59626),

Gene: JeanClaude_53 Start: 29745, Stop: 30239, Start Num: 76

Candidate Starts for JeanClaude_53:

(Start: 76 @29745 has 238 MA's), (109, 29964), (124, 30063),

Gene: Jefe_64 Start: 40545, Stop: 41048, Start Num: 76

Candidate Starts for Jefe_64:

(Start: 76 @40545 has 238 MA's), (83, 40560), (112, 40767), (124, 40851), (130, 40893),

Gene: JellyBread_68 Start: 37347, Stop: 37868, Start Num: 76

Candidate Starts for JellyBread_68:

(Start: 76 @37347 has 238 MA's), (97, 37449), (109, 37566),

Gene: Jollipop_65 Start: 40927, Stop: 41430, Start Num: 76

Candidate Starts for Jollipop_65:

(Start: 76 @40927 has 238 MA's), (83, 40942), (112, 41149), (124, 41233), (130, 41275),

Gene: JonJames_135 Start: 77869, Stop: 78390, Start Num: 76

Candidate Starts for JonJames_135:

(Start: 76 @77869 has 238 MA's), (81, 77881), (86, 77893), (90, 77923), (95, 77965), (96, 77968), (113, 78097), (144, 78334),

Gene: Jordan_37 Start: 30836, Stop: 31393, Start Num: 76

Candidate Starts for Jordan_37:

(53, 30749), (Start: 76 @30836 has 238 MA's), (86, 30860), (111, 31049), (112, 31058), (127, 31163), (128, 31172), (130, 31184), (143, 31277),

Gene: Juno112_54 Start: 33508, Stop: 34017, Start Num: 76

Candidate Starts for Juno112_54:

(Start: 76 @33508 has 238 MA's), (89, 33547), (92, 33589), (99, 33622), (104, 33682), (112, 33730), (115, 33742), (121, 33799), (124, 33814), (127, 33835), (130, 33856),

Gene: KBurrousTX_97 Start: 64742, Stop: 65284, Start Num: 76

Candidate Starts for KBurrousTX_97:

(62, 64694), (Start: 76 @64742 has 238 MA's), (90, 64796), (107, 64940), (112, 64964), (113, 64970), (115, 64976), (124, 65048), (130, 65090),

Gene: KHumphrey_55 Start: 33396, Stop: 33905, Start Num: 76

Candidate Starts for KHumphrey_55:

(Start: 76 @33396 has 238 MA's), (89, 33435), (92, 33477), (99, 33510), (104, 33570), (112, 33618), (115, 33630), (121, 33687), (124, 33702), (127, 33723), (130, 33744),

Gene: Kabloowy_70 Start: 38230, Stop: 38751, Start Num: 76

Candidate Starts for Kabloowy_70:

(Start: 76 @38230 has 238 MA's), (97, 38332), (109, 38449),

Gene: Kabreeze_101 Start: 64075, Stop: 64644, Start Num: 76

Candidate Starts for Kabreeze_101:

(Start: 76 @64075 has 238 MA's), (92, 64156), (101, 64231), (107, 64273), (112, 64297), (113, 64303), (115, 64309), (124, 64381), (127, 64402), (130, 64423),

Gene: KaiHaiDragon_65 Start: 40496, Stop: 41002, Start Num: 76

Candidate Starts for KaiHaiDragon_65:

(Start: 76 @40496 has 238 MA's), (83, 40511), (112, 40718), (124, 40802), (130, 40844),

Gene: Kanye_97 Start: 59707, Stop: 60147, Start Num: 78

Candidate Starts for Kanye_97:

(Start: 78 @59707 has 134 MA's), (96, 59806), (107, 59902), (115, 59938), (123, 60004), (130, 60052),

Gene: KendraB23_63 Start: 34989, Stop: 35468, Start Num: 76

Candidate Starts for KendraB23_63:

(Start: 76 @34989 has 238 MA's), (92, 35070), (104, 35163), (112, 35211), (113, 35217), (124, 35295), (132, 35346),

Gene: Kimchi_104 Start: 59599, Stop: 60039, Start Num: 78

Candidate Starts for Kimchi_104:

(24, 59398), (26, 59401), (Start: 31 @59428 has 1 MA's), (32, 59431), (39, 59473), (56, 59527), (Start: 78 @59599 has 134 MA's), (96, 59698), (115, 59830), (123, 59896), (130, 59944),

Gene: King2_35 Start: 30559, Stop: 31137, Start Num: 76

Candidate Starts for King2_35:

(Start: 76 @30559 has 238 MA's), (86, 30583), (88, 30595), (102, 30721), (104, 30733), (105, 30745), (112, 30781), (115, 30793), (130, 30907), (143, 31018),

Gene: Klevey_43 Start: 31378, Stop: 31935, Start Num: 76

Candidate Starts for Klevey_43:

(Start: 76 @31378 has 238 MA's), (112, 31600), (121, 31669),

Gene: Kostya_100 Start: 59276, Stop: 59716, Start Num: 78

Candidate Starts for Kostya_100:

(24, 59075), (26, 59078), (Start: 31 @59105 has 1 MA's), (32, 59108), (39, 59150), (56, 59204), (Start: 78 @59276 has 134 MA's), (96, 59375), (115, 59507), (123, 59573), (130, 59621),

Gene: Kovu_15 Start: 9876, Stop: 10469, Start Num: 76

Candidate Starts for Kovu_15:

(Start: 76 @9876 has 238 MA's), (92, 9957), (105, 10062), (107, 10074), (117, 10119), (130, 10224),

Gene: Kowalski_63 Start: 40561, Stop: 41067, Start Num: 76

Candidate Starts for Kowalski_63:

(Start: 76 @40561 has 238 MA's), (83, 40576), (112, 40783), (124, 40867), (130, 40909),

Gene: Kozie_60 Start: 40548, Stop: 41045, Start Num: 75

Candidate Starts for Kozie_60:

(Start: 75 @40548 has 22 MA's), (112, 40770), (124, 40854), (130, 40896),

Gene: Kukla_55 Start: 34866, Stop: 35303, Start Num: 76

Candidate Starts for Kukla_55:

(Start: 76 @34866 has 238 MA's), (92, 34947), (122, 35160), (127, 35193),

Gene: Kuleana_55 Start: 32730, Stop: 33242, Start Num: 76

Candidate Starts for Kuleana_55:

(Start: 76 @32730 has 238 MA's), (107, 32928), (112, 32952), (113, 32958),

Gene: Kumao_63 Start: 44478, Stop: 44960, Start Num: 73

Candidate Starts for Kumao_63:

(Start: 73 @44478 has 4 MA's), (84, 44496), (86, 44502), (92, 44559), (110, 44688), (117, 44721), (130, 44826),

Gene: Kumotta_55 Start: 31998, Stop: 32498, Start Num: 76

Candidate Starts for Kumotta_55:

(Start: 76 @31998 has 238 MA's), (92, 32079), (95, 32094), (105, 32184), (107, 32196), (112, 32220), (130, 32346),

Gene: Laphuphu24k_53 Start: 33492, Stop: 34001, Start Num: 76

Candidate Starts for Laphuphu24k_53:

(Start: 76 @33492 has 238 MA's), (89, 33531), (92, 33573), (99, 33606), (104, 33666), (112, 33714), (115, 33726), (121, 33783), (124, 33798), (127, 33819), (130, 33840),

Gene: Lasker_71 Start: 38725, Stop: 39246, Start Num: 76

Candidate Starts for Lasker_71:

(Start: 76 @38725 has 238 MA's), (92, 38806), (109, 38944), (122, 39031),

Gene: Lawnathon_73 Start: 37451, Stop: 37972, Start Num: 76

Candidate Starts for Lawnathon_73:

(Start: 76 @37451 has 238 MA's), (97, 37553), (109, 37670),

Gene: LeBruni_71 Start: 37162, Stop: 37683, Start Num: 76

Candidate Starts for LeBruni_71:

(66, 37123), (Start: 76 @37162 has 238 MA's), (109, 37381),

Gene: LeeroyJ_37 Start: 30897, Stop: 31436, Start Num: 76

Candidate Starts for LeeroyJ_37:

(Start: 76 @30897 has 238 MA's), (86, 30921), (112, 31119), (130, 31245), (146, 31344),

Gene: Leona_54 Start: 33587, Stop: 34099, Start Num: 76

Candidate Starts for Leona_54:

(Start: 76 @33587 has 238 MA's), (92, 33668), (99, 33701), (104, 33761), (112, 33809), (115, 33821), (121, 33878), (124, 33893), (127, 33914), (130, 33935),

Gene: Lesiram_44 Start: 26454, Stop: 25951, Start Num: 76

Candidate Starts for Lesiram_44:

(49, 26550), (Start: 76 @26454 has 238 MA's), (112, 26232), (130, 26106),

Gene: Lilac_102 Start: 60598, Stop: 61038, Start Num: 78

Candidate Starts for Lilac_102:

(Start: 78 @60598 has 134 MA's), (96, 60697), (107, 60793), (115, 60829), (123, 60895), (130, 60943),

Gene: Lilizi_101 Start: 59884, Stop: 60324, Start Num: 78

Candidate Starts for Lilizi_101:

(Start: 78 @59884 has 134 MA's), (96, 59983), (107, 60079), (115, 60115), (123, 60181), (130, 60229),

Gene: Lilmac1015_45 Start: 31895, Stop: 32452, Start Num: 76

Candidate Starts for Lilmac1015_45:

(Start: 76 @31895 has 238 MA's), (112, 32117), (121, 32186),

Gene: Lilpickle_99 Start: 59100, Stop: 59540, Start Num: 78

Candidate Starts for Lilpickle_99:

(Start: 78 @59100 has 134 MA's), (96, 59199), (115, 59331), (123, 59397), (130, 59445),

Gene: Linus_101 Start: 64523, Stop: 65092, Start Num: 76

Candidate Starts for Linus_101:

(Start: 76 @64523 has 238 MA's), (92, 64604), (101, 64679), (107, 64721), (110, 64733), (112, 64745), (113, 64751), (115, 64757), (124, 64829), (127, 64850), (130, 64871),

Gene: LittleFortune_66 Start: 40852, Stop: 41358, Start Num: 76

Candidate Starts for LittleFortune_66:

(Start: 76 @40852 has 238 MA's), (83, 40867), (112, 41074), (124, 41158), (130, 41200),

Gene: LittleTokyo_52 Start: 31946, Stop: 32464, Start Num: 76

Candidate Starts for LittleTokyo_52:

(25, 31730), (47, 31841), (Start: 76 @31946 has 238 MA's), (90, 32000), (92, 32027), (101, 32102), (104, 32120), (113, 32177), (115, 32183),

Gene: Livelaughbron_101 Start: 60699, Stop: 61139, Start Num: 78

Candidate Starts for Liveloughbron_101:

(Start: 78 @60699 has 134 MA's), (96, 60798), (107, 60894), (115, 60930), (123, 60996), (130, 61044),

Gene: Losacky_47 Start: 28911, Stop: 29402, Start Num: 76

Candidate Starts for Losacky_47:

(Start: 76 @28911 has 238 MA's), (112, 29133), (130, 29259),

Gene: Lucretia_64 Start: 40477, Stop: 40980, Start Num: 76

Candidate Starts for Lucretia_64:

(Start: 76 @40477 has 238 MA's), (83, 40492), (112, 40699), (124, 40783), (130, 40825),

Gene: Lukepolites_39 Start: 30745, Stop: 31308, Start Num: 76

Candidate Starts for Lukepolites_39:

(Start: 76 @30745 has 238 MA's), (86, 30769), (112, 30967), (121, 31036), (122, 31039),

Gene: Lymara_99 Start: 62866, Stop: 63429, Start Num: 76

Candidate Starts for Lymara_99:

(Start: 76 @62866 has 238 MA's), (86, 62890), (92, 62947), (102, 63028), (107, 63064), (112, 63088), (121, 63157), (124, 63172), (127, 63193), (130, 63214),

Gene: MISSy_101 Start: 60384, Stop: 60824, Start Num: 78

Candidate Starts for MISSy_101:

(Start: 78 @60384 has 134 MA's), (96, 60483), (115, 60615), (123, 60681), (130, 60729),

Gene: MPhalcon_101 Start: 59801, Stop: 60241, Start Num: 78

Candidate Starts for MPhalcon_101:

(Start: 78 @59801 has 134 MA's), (96, 59900), (115, 60032), (123, 60098), (130, 60146),

Gene: MUWow_71 Start: 38583, Stop: 39104, Start Num: 76

Candidate Starts for MUWow_71:

(Start: 76 @38583 has 238 MA's), (100, 38724), (109, 38802), (122, 38889), (123, 38895),

Gene: MadamMonkfish_100 Start: 59307, Stop: 59747, Start Num: 78

Candidate Starts for MadamMonkfish_100:

(Start: 78 @59307 has 134 MA's), (96, 59406), (107, 59502), (115, 59538), (123, 59604), (130, 59652),

Gene: Manda_101 Start: 59838, Stop: 60278, Start Num: 78

Candidate Starts for Manda_101:

(34, 59691), (43, 59721), (57, 59769), (60, 59784), (64, 59796), (Start: 78 @59838 has 134 MA's), (92, 59919), (96, 59937), (115, 60069), (123, 60135), (130, 60183),

Gene: Mapleville_66 Start: 36770, Stop: 37291, Start Num: 76

Candidate Starts for Mapleville_66:

(Start: 76 @36770 has 238 MA's), (97, 36872), (109, 36989),

Gene: Margaery_59 Start: 40552, Stop: 41055, Start Num: 75

Candidate Starts for Margaery_59:

(52, 40465), (Start: 75 @40552 has 22 MA's), (104, 40726), (112, 40774), (124, 40858),

Gene: MargaretKali_51 Start: 30616, Stop: 31116, Start Num: 76

Candidate Starts for MargaretKali_51:

(Start: 76 @30616 has 238 MA's), (92, 30697), (95, 30712), (105, 30802), (107, 30814), (112, 30838), (130, 30964),

Gene: Mariel_46 Start: 29119, Stop: 29610, Start Num: 76
Candidate Starts for Mariel_46:
(Start: 76 @29119 has 238 MA's), (112, 29341), (130, 29467),

Gene: Marshmallow_97 Start: 59796, Stop: 60236, Start Num: 78
Candidate Starts for Marshmallow_97:
(24, 59595), (26, 59598), (Start: 31 @59625 has 1 MA's), (32, 59628), (39, 59670), (56, 59724), (Start: 78 @59796 has 134 MA's), (92, 59877), (96, 59895), (115, 60027), (123, 60093), (130, 60141),

Gene: Martha_37 Start: 30823, Stop: 31371, Start Num: 76
Candidate Starts for Martha_37:
(53, 30736), (Start: 76 @30823 has 238 MA's), (86, 30847), (104, 30997), (105, 31009), (112, 31045), (127, 31150), (130, 31171), (143, 31255),

Gene: Maruru_48 Start: 38164, Stop: 38760, Start Num: 76
Candidate Starts for Maruru_48:
(Start: 76 @38164 has 238 MA's), (105, 38350), (114, 38395), (124, 38470),

Gene: MaterMagnus_71 Start: 38743, Stop: 39261, Start Num: 76
Candidate Starts for MaterMagnus_71:
(Start: 76 @38743 has 238 MA's), (97, 38845), (109, 38962),

Gene: Matzah_62 Start: 41397, Stop: 41900, Start Num: 75
Candidate Starts for Matzah_62:
(Start: 75 @41397 has 22 MA's), (104, 41571), (112, 41619), (113, 41625), (114, 41628), (124, 41703),

Gene: Maxxinista_102 Start: 59784, Stop: 60224, Start Num: 78
Candidate Starts for Maxxinista_102:
(Start: 78 @59784 has 134 MA's), (96, 59883), (107, 59979), (115, 60015), (123, 60081), (130, 60129),

Gene: Megan_61 Start: 44759, Stop: 45289, Start Num: 73
Candidate Starts for Megan_61:
(Start: 73 @44759 has 4 MA's), (Start: 75 @44762 has 22 MA's), (93, 44846), (112, 44984), (123, 45062), (124, 45068), (130, 45110),

Gene: MementoMori_61 Start: 40995, Stop: 41495, Start Num: 75
Candidate Starts for MementoMori_61:
(65, 40959), (67, 40962), (Start: 75 @40995 has 22 MA's), (86, 41019), (112, 41217), (113, 41223), (114, 41226), (124, 41301),

Gene: MenE_47 Start: 28803, Stop: 29294, Start Num: 76
Candidate Starts for MenE_47:
(Start: 76 @28803 has 238 MA's), (112, 29025), (130, 29151),

Gene: Merry_ Start: 42731, Stop: 43237, Start Num: 75
Candidate Starts for Merry_
(Start: 75 @42731 has 22 MA's), (104, 42905), (107, 42929), (111, 42944), (117, 42974), (124, 43037), (130, 43079),

Gene: Metamorphoo_67 Start: 41843, Stop: 42346, Start Num: 75
Candidate Starts for Metamorphoo_67:
(Start: 75 @41843 has 22 MA's), (104, 42017), (112, 42065), (130, 42191),

Gene: Mindy_99 Start: 59117, Stop: 59557, Start Num: 78

Candidate Starts for Mindy_99:

(Start: 78 @59117 has 134 MA's), (96, 59216), (115, 59348), (123, 59414), (130, 59462),

Gene: Miniwave_95 Start: 59294, Stop: 59734, Start Num: 78

Candidate Starts for Miniwave_95:

(Start: 78 @59294 has 134 MA's), (92, 59375), (96, 59393), (115, 59525), (123, 59591), (130, 59639),

Gene: Misfit_101 Start: 60897, Stop: 61337, Start Num: 78

Candidate Starts for Misfit_101:

(Start: 78 @60897 has 134 MA's), (96, 60996), (107, 61092), (115, 61128), (123, 61194), (130, 61242),

Gene: Mojarita_46 Start: 31281, Stop: 31766, Start Num: 76

Candidate Starts for Mojarita_46:

(28, 31095), (46, 31176), (48, 31185), (Start: 76 @31281 has 238 MA's), (113, 31509),

Gene: Moldemort_103 Start: 59765, Stop: 60205, Start Num: 78

Candidate Starts for Moldemort_103:

(Start: 78 @59765 has 134 MA's), (96, 59864), (107, 59960), (115, 59996), (123, 60062), (130, 60110),

Gene: MollyToe_95 Start: 57695, Stop: 58135, Start Num: 78

Candidate Starts for MollyToe_95:

(24, 57494), (26, 57497), (Start: 31 @57524 has 1 MA's), (32, 57527), (39, 57569), (56, 57623), (Start: 78 @57695 has 134 MA's), (92, 57776), (96, 57794), (115, 57926), (123, 57992), (130, 58040),

Gene: Mordred_101 Start: 64114, Stop: 64683, Start Num: 76

Candidate Starts for Mordred_101:

(Start: 76 @64114 has 238 MA's), (92, 64195), (101, 64270), (107, 64312), (112, 64336), (113, 64342), (115, 64348), (124, 64420), (127, 64441), (130, 64462),

Gene: Mosby_96 Start: 59261, Stop: 59701, Start Num: 78

Candidate Starts for Mosby_96:

(Start: 78 @59261 has 134 MA's), (96, 59360), (107, 59456), (115, 59492), (123, 59558), (130, 59606),

Gene: MoyaNatalis_101 Start: 64054, Stop: 64611, Start Num: 76

Candidate Starts for MoyaNatalis_101:

(Start: 76 @64054 has 238 MA's), (86, 64078), (92, 64135), (102, 64216), (107, 64252), (110, 64264), (112, 64276), (113, 64282), (115, 64288), (124, 64360), (130, 64402),

Gene: Mufasa8_48 Start: 36302, Stop: 36853, Start Num: 76

Candidate Starts for Mufasa8_48:

(Start: 76 @36302 has 238 MA's), (92, 36383), (112, 36524), (115, 36536),

Gene: Murica_103 Start: 61600, Stop: 62040, Start Num: 78

Candidate Starts for Murica_103:

(Start: 78 @61600 has 134 MA's), (96, 61699), (115, 61831), (123, 61897), (130, 61945),

Gene: Murphy_100 Start: 60156, Stop: 60596, Start Num: 78

Candidate Starts for Murphy_100:

(Start: 78 @60156 has 134 MA's), (96, 60255), (115, 60387), (123, 60453), (130, 60501),

Gene: MurphyJoseph_69 Start: 36529, Stop: 37035, Start Num: 76

Candidate Starts for MurphyJoseph_69:
(Start: 76 @36529 has 238 MA's), (97, 36631), (109, 36748),

Gene: Music_38 Start: 32590, Stop: 33141, Start Num: 76
Candidate Starts for Music_38:
(Start: 76 @32590 has 238 MA's), (86, 32614), (102, 32752), (112, 32812), (115, 32824),

Gene: Myrale_100 Start: 59956, Stop: 60396, Start Num: 78
Candidate Starts for Myrale_100:
(24, 59755), (26, 59758), (Start: 31 @59785 has 1 MA's), (32, 59788), (39, 59830), (56, 59884), (Start: 78 @59956 has 134 MA's), (92, 60037), (96, 60055), (115, 60187), (123, 60253), (130, 60301),

Gene: NCRodriguez_47 Start: 28874, Stop: 29365, Start Num: 76
Candidate Starts for NCRodriguez_47:
(Start: 76 @28874 has 238 MA's), (112, 29096), (117, 29117), (124, 29180), (130, 29222),

Gene: Nala_102 Start: 60310, Stop: 60750, Start Num: 78
Candidate Starts for Nala_102:
(Start: 78 @60310 has 134 MA's), (96, 60409), (107, 60505), (115, 60541), (123, 60607), (130, 60655),

Gene: Nandito_43 Start: 31585, Stop: 32151, Start Num: 76
Candidate Starts for Nandito_43:
(Start: 76 @31585 has 238 MA's),

Gene: Nanosmite_72 Start: 45490, Stop: 45942, Start Num: 73
Candidate Starts for Nanosmite_72:
(Start: 73 @45490 has 4 MA's), (118, 45739),

Gene: NathanVaag_35 Start: 30573, Stop: 31163, Start Num: 76
Candidate Starts for NathanVaag_35:
(Start: 76 @30573 has 238 MA's), (86, 30597), (112, 30795), (128, 30909), (143, 31044),

Gene: NelitzaMV_97 Start: 58304, Stop: 58744, Start Num: 78
Candidate Starts for NelitzaMV_97:
(56, 58232), (Start: 78 @58304 has 134 MA's), (96, 58403), (107, 58499), (115, 58535), (123, 58601), (130, 58649),

Gene: Neroxid_57 Start: 34022, Stop: 34522, Start Num: 76
Candidate Starts for Neroxid_57:
(Start: 76 @34022 has 238 MA's), (104, 34196), (127, 34352), (130, 34373),

Gene: NewKitty_74 Start: 39038, Stop: 39523, Start Num: 88
Candidate Starts for NewKitty_74:
(Start: 76 @39002 has 238 MA's), (88, 39038), (109, 39221),

Gene: Niblet_53 Start: 34610, Stop: 35089, Start Num: 76
Candidate Starts for Niblet_53:
(Start: 76 @34610 has 238 MA's), (92, 34691), (104, 34784), (112, 34832), (113, 34838), (115, 34844), (124, 34916),

Gene: Nicole72_62 Start: 45253, Stop: 45780, Start Num: 75
Candidate Starts for Nicole72_62:

(Start: 75 @45253 has 22 MA's), (86, 45277), (87, 45280), (104, 45427), (112, 45475), (124, 45559), (130, 45601),

Gene: Nimrod_100 Start: 59923, Stop: 60363, Start Num: 78

Candidate Starts for Nimrod_100:

(24, 59722), (26, 59725), (Start: 31 @59752 has 1 MA's), (32, 59755), (39, 59797), (56, 59851), (Start: 78 @59923 has 134 MA's), (92, 60004), (96, 60022), (115, 60154), (123, 60220), (130, 60268),

Gene: NoSleep_101 Start: 59317, Stop: 59757, Start Num: 78

Candidate Starts for NoSleep_101:

(Start: 78 @59317 has 134 MA's), (96, 59416), (107, 59512), (115, 59548), (123, 59614), (130, 59662),

Gene: NonchalantPear_100 Start: 58551, Stop: 58991, Start Num: 78

Candidate Starts for NonchalantPear_100:

(24, 58350), (26, 58353), (Start: 31 @58380 has 1 MA's), (32, 58383), (39, 58425), (56, 58479), (Start: 78 @58551 has 134 MA's), (92, 58632), (96, 58650), (115, 58782), (123, 58848), (130, 58896),

Gene: NoodlelyBoi_65 Start: 41341, Stop: 41841, Start Num: 75

Candidate Starts for NoodlelyBoi_65:

(Start: 75 @41341 has 22 MA's), (107, 41539), (112, 41563), (124, 41647), (130, 41689),

Gene: Norvs_125 Start: 71351, Stop: 71860, Start Num: 76

Candidate Starts for Norvs_125:

(Start: 76 @71351 has 238 MA's), (82, 71366), (86, 71375), (112, 71573), (130, 71699), (134, 71750), (144, 71810),

Gene: Nostromo_35 Start: 29713, Stop: 30264, Start Num: 76

Candidate Starts for Nostromo_35:

(Start: 76 @29713 has 238 MA's), (92, 29797), (102, 29878), (104, 29890), (112, 29938), (115, 29950), (123, 30016),

Gene: Nyilah_73 Start: 37600, Stop: 38106, Start Num: 76

Candidate Starts for Nyilah_73:

(Start: 76 @37600 has 238 MA's), (100, 37741), (109, 37819),

Gene: Onika_63 Start: 40570, Stop: 41076, Start Num: 76

Candidate Starts for Onika_63:

(Start: 76 @40570 has 238 MA's), (83, 40585), (112, 40792), (124, 40876), (130, 40918),

Gene: Oppalora_54 Start: 33506, Stop: 34015, Start Num: 76

Candidate Starts for Oppalora_54:

(Start: 76 @33506 has 238 MA's), (89, 33545), (92, 33587), (99, 33620), (104, 33680), (112, 33728), (115, 33740), (121, 33797), (124, 33812), (127, 33833), (130, 33854),

Gene: Orcanus_53 Start: 34413, Stop: 34919, Start Num: 76

Candidate Starts for Orcanus_53:

(36, 34269), (Start: 76 @34413 has 238 MA's), (92, 34494), (104, 34587), (112, 34635), (113, 34641), (124, 34719), (132, 34770),

Gene: OrionPax_99 Start: 59389, Stop: 59829, Start Num: 78

Candidate Starts for OrionPax_99:

(Start: 78 @59389 has 134 MA's), (96, 59488), (107, 59584), (115, 59620), (123, 59686), (130, 59734),

Gene: Orkz_48 Start: 32007, Stop: 32492, Start Num: 76
Candidate Starts for Orkz_48:
(Start: 76 @32007 has 238 MA's), (86, 32031), (112, 32229),

Gene: PFR1_50 Start: 34850, Stop: 35323, Start Num: 77
Candidate Starts for PFR1_50:
(Start: 77 @34850 has 10 MA's), (87, 34877), (104, 35024), (107, 35048), (112, 35072), (113, 35078),
(121, 35141), (125, 35165), (127, 35177),

Gene: PFR2_52 Start: 36419, Stop: 36892, Start Num: 77
Candidate Starts for PFR2_52:
(Start: 77 @36419 has 10 MA's), (87, 36446), (104, 36593), (107, 36617), (112, 36641), (113, 36647),
(121, 36710), (125, 36734), (127, 36746),

Gene: PaddyBaddy_100 Start: 59508, Stop: 59948, Start Num: 78
Candidate Starts for PaddyBaddy_100:
(Start: 78 @59508 has 134 MA's), (96, 59607), (107, 59703), (115, 59739), (123, 59805), (130, 59853),

Gene: Palpatine_101 Start: 60595, Stop: 61035, Start Num: 78
Candidate Starts for Palpatine_101:
(Start: 78 @60595 has 134 MA's), (96, 60694), (107, 60790), (115, 60826), (123, 60892), (130, 60940),

Gene: Paperbeatsrock_99 Start: 59972, Stop: 60412, Start Num: 78
Candidate Starts for Paperbeatsrock_99:
(Start: 78 @59972 has 134 MA's), (92, 60053), (96, 60071), (115, 60203), (123, 60269), (130, 60317),

Gene: Paschalis_64 Start: 40592, Stop: 41095, Start Num: 76
Candidate Starts for Paschalis_64:
(Start: 76 @40592 has 238 MA's), (83, 40607), (112, 40814), (124, 40898), (130, 40940),

Gene: Pat3_97 Start: 58489, Stop: 58929, Start Num: 78
Candidate Starts for Pat3_97:
(59, 58432), (Start: 78 @58489 has 134 MA's), (96, 58588), (115, 58720), (123, 58786), (130, 58834),

Gene: Pelletreau_64 Start: 35301, Stop: 35780, Start Num: 76
Candidate Starts for Pelletreau_64:
(Start: 76 @35301 has 238 MA's), (92, 35382), (104, 35475), (112, 35523), (113, 35529), (124, 35607),
(132, 35658),

Gene: Persistence_65 Start: 36167, Stop: 36694, Start Num: 76
Candidate Starts for Persistence_65:
(Start: 76 @36167 has 238 MA's), (109, 36386), (123, 36479), (125, 36494),

Gene: Petra64142_104 Start: 60461, Stop: 60901, Start Num: 78
Candidate Starts for Petra64142_104:
(56, 60389), (Start: 78 @60461 has 134 MA's), (96, 60560), (107, 60656), (115, 60692), (123, 60758),
(130, 60806),

Gene: PetriParty_56 Start: 34889, Stop: 35326, Start Num: 76
Candidate Starts for PetriParty_56:
(Start: 76 @34889 has 238 MA's), (92, 34970),

Gene: Phaja_98 Start: 59176, Stop: 59616, Start Num: 78

Candidate Starts for Phaja_98:

(24, 58975), (26, 58978), (Start: 31 @59005 has 1 MA's), (32, 59008), (39, 59050), (56, 59104), (Start: 78 @59176 has 134 MA's), (92, 59257), (96, 59275), (115, 59407), (123, 59473), (130, 59521),

Gene: Pharsalus_97 Start: 59671, Stop: 60111, Start Num: 78

Candidate Starts for Pharsalus_97:

(Start: 78 @59671 has 134 MA's), (96, 59770), (115, 59902), (123, 59968), (130, 60016),

Gene: PhatBacter_103 Start: 60340, Stop: 60780, Start Num: 78

Candidate Starts for PhatBacter_103:

(Start: 78 @60340 has 134 MA's), (96, 60439), (107, 60535), (115, 60571), (123, 60637), (130, 60685),

Gene: Phaux_102 Start: 60900, Stop: 61340, Start Num: 78

Candidate Starts for Phaux_102:

(Start: 78 @60900 has 134 MA's), (96, 60999), (107, 61095), (115, 61131), (123, 61197), (130, 61245),

Gene: PhedwardCullen_63 Start: 40315, Stop: 40818, Start Num: 76

Candidate Starts for PhedwardCullen_63:

(Start: 76 @40315 has 238 MA's), (83, 40330), (112, 40537), (124, 40621), (130, 40663),

Gene: PhillyJawn_46 Start: 28535, Stop: 29029, Start Num: 76

Candidate Starts for PhillyJawn_46:

(Start: 76 @28535 has 238 MA's), (112, 28757), (117, 28778), (130, 28883),

Gene: Phingu_48 Start: 28765, Stop: 29259, Start Num: 76

Candidate Starts for Phingu_48:

(Start: 76 @28765 has 238 MA's), (112, 28987), (117, 29008), (124, 29071), (130, 29113),

Gene: PhinkBoden_126 Start: 72216, Stop: 72725, Start Num: 76

Candidate Starts for PhinkBoden_126:

(Start: 76 @72216 has 238 MA's), (82, 72231), (86, 72240), (112, 72438), (130, 72564), (134, 72615), (144, 72675),

Gene: PhluffyCoco_55 Start: 33606, Stop: 34115, Start Num: 76

Candidate Starts for PhluffyCoco_55:

(Start: 76 @33606 has 238 MA's), (89, 33645), (92, 33687), (99, 33720), (104, 33780), (112, 33828), (115, 33840), (121, 33897), (124, 33912), (127, 33933), (130, 33954),

Gene: Phonegingi_45 Start: 28583, Stop: 29074, Start Num: 76

Candidate Starts for Phonegingi_45:

(Start: 76 @28583 has 238 MA's), (112, 28805), (124, 28889), (130, 28931),

Gene: Phorgeous_64 Start: 40378, Stop: 40884, Start Num: 76

Candidate Starts for Phorgeous_64:

(Start: 76 @40378 has 238 MA's), (83, 40393), (112, 40600), (124, 40684), (130, 40726),

Gene: Phrancesco_64 Start: 40701, Stop: 41207, Start Num: 76

Candidate Starts for Phrancesco_64:

(Start: 76 @40701 has 238 MA's), (83, 40716), (112, 40923), (124, 41007), (130, 41049),

Gene: Phrank15_74 Start: 38031, Stop: 38585, Start Num: 76

Candidate Starts for Phrank15_74:

(66, 37992), (Start: 76 @38031 has 238 MA's), (97, 38133), (109, 38250),

Gene: Phrux_97 Start: 59176, Stop: 59616, Start Num: 78

Candidate Starts for Phrux_97:

(Start: 78 @59176 has 134 MA's), (96, 59275), (107, 59371), (115, 59407), (123, 59473), (130, 59521),

Gene: Picard_46 Start: 31479, Stop: 31958, Start Num: 76

Candidate Starts for Picard_46:

(11, 31044), (19, 31185), (21, 31200), (28, 31293), (46, 31374), (Start: 76 @31479 has 238 MA's),
(104, 31653), (113, 31707),

Gene: Piccoletto_35 Start: 30574, Stop: 31161, Start Num: 76

Candidate Starts for Piccoletto_35:

(Start: 76 @30574 has 238 MA's), (86, 30598), (112, 30796), (128, 30910), (143, 31045),

Gene: Pickles13_44 Start: 28847, Stop: 29341, Start Num: 76

Candidate Starts for Pickles13_44:

(Start: 76 @28847 has 238 MA's), (112, 29069), (117, 29090), (124, 29153), (130, 29195),

Gene: PierreOrion_64 Start: 40801, Stop: 41307, Start Num: 76

Candidate Starts for PierreOrion_64:

(Start: 76 @40801 has 238 MA's), (83, 40816), (112, 41023), (124, 41107), (130, 41149),

Gene: Pigu_52 Start: 30241, Stop: 30699, Start Num: 76

Candidate Starts for Pigu_52:

(Start: 76 @30241 has 238 MA's), (86, 30265), (90, 30295), (124, 30559),

Gene: PiperSansNom_65 Start: 40883, Stop: 41386, Start Num: 76

Candidate Starts for PiperSansNom_65:

(Start: 76 @40883 has 238 MA's), (83, 40898), (112, 41105), (124, 41189), (130, 41231),

Gene: Piperis_65 Start: 40503, Stop: 41009, Start Num: 76

Candidate Starts for Piperis_65:

(Start: 76 @40503 has 238 MA's), (83, 40518), (112, 40725), (124, 40809), (130, 40851),

Gene: Pippa_37 Start: 30966, Stop: 31526, Start Num: 76

Candidate Starts for Pippa_37:

(Start: 76 @30966 has 238 MA's), (86, 30990), (112, 31188), (127, 31293), (128, 31302), (130, 31314),
(143, 31410),

Gene: Pitbull_60 Start: 34082, Stop: 34579, Start Num: 76

Candidate Starts for Pitbull_60:

(Start: 76 @34082 has 238 MA's), (104, 34256), (121, 34373), (127, 34409), (130, 34430),

Gene: Policronamos_102 Start: 60604, Stop: 61044, Start Num: 78

Candidate Starts for Policronamos_102:

(Start: 78 @60604 has 134 MA's), (96, 60703), (107, 60799), (115, 60835), (123, 60901), (130, 60949),

Gene: Porky_99 Start: 58920, Stop: 59360, Start Num: 78

Candidate Starts for Porky_99:

(Start: 78 @58920 has 134 MA's), (96, 59019), (107, 59115), (115, 59151), (123, 59217), (130, 59265),

Gene: Prairie_42 Start: 31210, Stop: 31767, Start Num: 76

Candidate Starts for Prairie_42:

(Start: 76 @31210 has 238 MA's), (112, 31432), (121, 31501), (130, 31558),

Gene: PrincessTrina_102 Start: 64305, Stop: 64874, Start Num: 76

Candidate Starts for PrincessTrina_102:

(Start: 76 @64305 has 238 MA's), (92, 64386), (101, 64461), (107, 64503), (112, 64527), (113, 64533), (115, 64539), (124, 64611), (127, 64632), (130, 64653),

Gene: Pulchra_66 Start: 40899, Stop: 41405, Start Num: 76

Candidate Starts for Pulchra_66:

(Start: 76 @40899 has 238 MA's), (83, 40914), (112, 41121), (124, 41205), (130, 41247),

Gene: Pumpkin_102 Start: 59517, Stop: 59957, Start Num: 78

Candidate Starts for Pumpkin_102:

(32, 59355), (56, 59445), (Start: 78 @59517 has 134 MA's), (96, 59616), (115, 59748), (123, 59814), (130, 59862),

Gene: Qualification_101 Start: 60386, Stop: 60826, Start Num: 78

Candidate Starts for Qualification_101:

(Start: 78 @60386 has 134 MA's), (96, 60485), (107, 60581), (115, 60617), (123, 60683), (130, 60731),

Gene: Quhwah_68 Start: 41191, Stop: 41694, Start Num: 76

Candidate Starts for Quhwah_68:

(Start: 76 @41191 has 238 MA's), (83, 41206), (112, 41413), (124, 41497), (130, 41539),

Gene: REQ3_26 Start: 12169, Stop: 12615, Start Num: 79

Candidate Starts for REQ3_26:

(Start: 79 @12169 has 2 MA's), (89, 12205), (90, 12220), (102, 12328), (104, 12340), (110, 12376), (130, 12514),

Gene: Rakim_101 Start: 59237, Stop: 59848, Start Num: 31

Candidate Starts for Rakim_101:

(24, 59207), (26, 59210), (Start: 31 @59237 has 1 MA's), (32, 59240), (39, 59282), (56, 59336), (Start: 78 @59408 has 134 MA's), (96, 59507), (115, 59639), (123, 59705), (130, 59753),

Gene: Raleigh_44 Start: 33967, Stop: 34464, Start Num: 76

Candidate Starts for Raleigh_44:

(41, 33844), (44, 33853), (Start: 76 @33967 has 238 MA's), (95, 34063), (101, 34123), (103, 34135), (113, 34195),

Gene: Ramiel05_63 Start: 40561, Stop: 41067, Start Num: 76

Candidate Starts for Ramiel05_63:

(Start: 76 @40561 has 238 MA's), (83, 40576), (112, 40783), (124, 40867), (130, 40909),

Gene: Raphaella_71 Start: 37149, Stop: 37670, Start Num: 76

Candidate Starts for Raphaella_71:

(Start: 76 @37149 has 238 MA's), (97, 37251), (109, 37368),

Gene: Raqqa_67 Start: 35948, Stop: 36466, Start Num: 76

Candidate Starts for Raqqa_67:

(Start: 76 @35948 has 238 MA's), (92, 36029), (109, 36167), (117, 36203), (122, 36254),

Gene: Rattail_55 Start: 33692, Stop: 34201, Start Num: 76

Candidate Starts for Rattail_55:

(Start: 76 @33692 has 238 MA's), (92, 33773), (99, 33806), (104, 33866), (112, 33914), (115, 33926), (121, 33983), (124, 33998), (127, 34019), (130, 34040),

Gene: Raya_57 Start: 34022, Stop: 34522, Start Num: 76

Candidate Starts for Raya_57:

(Start: 76 @34022 has 238 MA's), (104, 34196), (127, 34352), (130, 34373),

Gene: RedFox_55 Start: 33605, Stop: 34114, Start Num: 76

Candidate Starts for RedFox_55:

(Start: 76 @33605 has 238 MA's), (92, 33686), (99, 33719), (104, 33779), (112, 33827), (115, 33839), (121, 33896), (124, 33911), (127, 33932), (130, 33953),

Gene: Reindeer_69 Start: 45000, Stop: 45446, Start Num: 73

Candidate Starts for Reindeer_69:

(67, 44970), (68, 44976), (Start: 73 @45000 has 4 MA's), (92, 45084), (102, 45165), (120, 45279), (130, 45348),

Gene: Renna12_54 Start: 33458, Stop: 33970, Start Num: 76

Candidate Starts for Renna12_54:

(Start: 76 @33458 has 238 MA's), (92, 33539), (99, 33572), (104, 33632), (112, 33680), (115, 33692), (121, 33749), (124, 33764), (127, 33785), (130, 33806),

Gene: Richie_74 Start: 38954, Stop: 39472, Start Num: 76

Candidate Starts for Richie_74:

(Start: 76 @38954 has 238 MA's), (97, 39056), (109, 39173),

Gene: Rimmer_98 Start: 59798, Stop: 60238, Start Num: 78

Candidate Starts for Rimmer_98:

(59, 59741), (Start: 78 @59798 has 134 MA's), (96, 59897), (115, 60029), (123, 60095), (130, 60143),

Gene: RiverMonster_100 Start: 60072, Stop: 60512, Start Num: 78

Candidate Starts for RiverMonster_100:

(Start: 78 @60072 has 134 MA's), (96, 60171), (107, 60267), (115, 60303), (123, 60369), (130, 60417),

Gene: Rizwana_72 Start: 51720, Stop: 51190, Start Num: 76

Candidate Starts for Rizwana_72:

(Start: 76 @51720 has 238 MA's), (86, 51696), (100, 51579), (112, 51498), (118, 51474), (122, 51423), (124, 51411), (148, 51243),

Gene: RobsFeet_68 Start: 42128, Stop: 42631, Start Num: 75

Candidate Starts for RobsFeet_68:

(Start: 75 @42128 has 22 MA's), (104, 42302), (112, 42350), (130, 42476),

Gene: Rockwell_63 Start: 40594, Stop: 41097, Start Num: 76

Candidate Starts for Rockwell_63:

(Start: 76 @40594 has 238 MA's), (83, 40609), (112, 40816), (124, 40900), (130, 40942),

Gene: Rooter_56 Start: 31640, Stop: 32134, Start Num: 76

Candidate Starts for Rooter_56:

(Start: 76 @31640 has 238 MA's), (124, 31958),

Gene: RosiePosie_101 Start: 64170, Stop: 64727, Start Num: 76

Candidate Starts for RosiePosie_101:

(Start: 76 @64170 has 238 MA's), (88, 64206), (92, 64251), (95, 64266), (110, 64380), (112, 64392), (115, 64404), (124, 64476), (127, 64497), (130, 64518),

Gene: Ruchi_52 Start: 33757, Stop: 34278, Start Num: 76

Candidate Starts for Ruchi_52:

(Start: 76 @33757 has 238 MA's), (92, 33838), (112, 33979), (113, 33985), (132, 34114),

Gene: SV1_43 Start: 30169, Stop: 30636, Start Num: 76

Candidate Starts for SV1_43:

(Start: 76 @30169 has 238 MA's), (87, 30196), (113, 30397),

Gene: Saints25_97 Start: 58002, Stop: 58442, Start Num: 78

Candidate Starts for Saints25_97:

(34, 57852), (43, 57882), (57, 57930), (60, 57945), (64, 57957), (Start: 78 @58002 has 134 MA's), (96, 58101), (107, 58197), (115, 58233), (123, 58299), (130, 58347),

Gene: Sakai_69 Start: 37702, Stop: 38220, Start Num: 76

Candidate Starts for Sakai_69:

(Start: 76 @37702 has 238 MA's), (97, 37804), (109, 37921),

Gene: Sarge_49 Start: 28989, Stop: 29513, Start Num: 76

Candidate Starts for Sarge_49:

(Start: 76 @28989 has 238 MA's), (109, 29208),

Gene: Sassay_95 Start: 58223, Stop: 58663, Start Num: 78

Candidate Starts for Sassay_95:

(Start: 78 @58223 has 134 MA's), (96, 58322), (107, 58418), (115, 58454), (123, 58520), (130, 58568),

Gene: Satrap_72 Start: 38229, Stop: 38750, Start Num: 76

Candidate Starts for Satrap_72:

(66, 38190), (Start: 76 @38229 has 238 MA's), (109, 38448),

Gene: Savannah_63 Start: 40621, Stop: 41124, Start Num: 76

Candidate Starts for Savannah_63:

(Start: 76 @40621 has 238 MA's), (83, 40636), (112, 40843), (124, 40927), (130, 40969),

Gene: Scavito_102 Start: 64163, Stop: 64732, Start Num: 76

Candidate Starts for Scavito_102:

(Start: 76 @64163 has 238 MA's), (92, 64244), (101, 64319), (107, 64361), (112, 64385), (113, 64391), (115, 64397), (124, 64469), (127, 64490), (130, 64511),

Gene: Schmidt_48 Start: 32790, Stop: 33275, Start Num: 77

Candidate Starts for Schmidt_48:

(Start: 77 @32790 has 10 MA's), (87, 32817), (100, 32931), (102, 32952), (121, 33081), (124, 33096), (130, 33138),

Gene: ScoobySnack_42 Start: 28346, Stop: 28837, Start Num: 76

Candidate Starts for ScoobySnack_42:

(Start: 76 @28346 has 238 MA's), (112, 28568), (117, 28589), (124, 28652),

Gene: Scumberland_66 Start: 40816, Stop: 41319, Start Num: 76

Candidate Starts for Scumberland_66:

(Start: 76 @40816 has 238 MA's), (83, 40831), (112, 41038), (124, 41122), (130, 41164),

Gene: Selwyn23_65 Start: 40733, Stop: 41236, Start Num: 76

Candidate Starts for Selwyn23_65:

(Start: 76 @40733 has 238 MA's), (83, 40748), (112, 40955), (124, 41039), (130, 41081),

Gene: Shade_37 Start: 30810, Stop: 31367, Start Num: 76

Candidate Starts for Shade_37:

(53, 30723), (Start: 76 @30810 has 238 MA's), (86, 30834), (111, 31023), (112, 31032), (127, 31137), (128, 31146), (130, 31158), (143, 31251),

Gene: ShamWow_100 Start: 60193, Stop: 60633, Start Num: 78

Candidate Starts for ShamWow_100:

(Start: 78 @60193 has 134 MA's), (96, 60292), (107, 60388), (115, 60424), (123, 60490), (130, 60538),

Gene: Shen_52 Start: 32901, Stop: 33380, Start Num: 76

Candidate Starts for Shen_52:

(Start: 76 @32901 has 238 MA's), (92, 32982), (104, 33075), (112, 33123), (113, 33129), (124, 33207), (132, 33258),

Gene: ShereKhan_98 Start: 60632, Stop: 61072, Start Num: 78

Candidate Starts for ShereKhan_98:

(Start: 78 @60632 has 134 MA's), (96, 60731), (107, 60827), (115, 60863), (123, 60929), (130, 60977),

Gene: Shotgun_64 Start: 40497, Stop: 41003, Start Num: 76

Candidate Starts for Shotgun_64:

(Start: 76 @40497 has 238 MA's), (83, 40512), (112, 40719), (124, 40803), (130, 40845),

Gene: Shoya_55 Start: 31189, Stop: 31710, Start Num: 76

Candidate Starts for Shoya_55:

(Start: 76 @31189 has 238 MA's), (93, 31273), (95, 31285), (109, 31408),

Gene: Shrubaron_68 Start: 41723, Stop: 42226, Start Num: 75

Candidate Starts for Shrubaron_68:

(Start: 75 @41723 has 22 MA's), (112, 41945), (130, 42071),

Gene: Shukran_69 Start: 37006, Stop: 37530, Start Num: 76

Candidate Starts for Shukran_69:

(Start: 76 @37006 has 238 MA's), (109, 37225),

Gene: Sicarius2_38 Start: 30424, Stop: 30954, Start Num: 76

Candidate Starts for Sicarius2_38:

(Start: 76 @30424 has 238 MA's), (102, 30586), (104, 30598), (112, 30646), (117, 30667),

Gene: SilentRX_70 Start: 50764, Stop: 50189, Start Num: 76

Candidate Starts for SilentRX_70:

(Start: 76 @50764 has 238 MA's), (92, 50683), (105, 50578), (107, 50566), (112, 50542), (122, 50470),

Gene: Simpliphy_99 Start: 59643, Stop: 60083, Start Num: 78

Candidate Starts for Simpliphy_99:

(Start: 78 @59643 has 134 MA's), (96, 59742), (107, 59838), (115, 59874), (123, 59940), (130, 59988),

Gene: SirDuracell_100 Start: 59010, Stop: 59450, Start Num: 78

Candidate Starts for SirDuracell_100:

(59, 58953), (Start: 78 @59010 has 134 MA's), (96, 59109), (115, 59241), (123, 59307), (130, 59355),

Gene: SirFrank_64 Start: 40787, Stop: 41287, Start Num: 75

Candidate Starts for SirFrank_64:

(Start: 75 @40787 has 22 MA's), (112, 41009), (118, 41033), (124, 41093), (130, 41135),

Gene: Skitty_54 Start: 33126, Stop: 33626, Start Num: 76

Candidate Starts for Skitty_54:

(Start: 76 @33126 has 238 MA's), (104, 33300), (127, 33456), (130, 33477),

Gene: Skugga_64 Start: 41045, Stop: 41545, Start Num: 76

Candidate Starts for Skugga_64:

(Start: 76 @41045 has 238 MA's), (112, 41267), (124, 41351),

Gene: Skyerus_52 Start: 32140, Stop: 32640, Start Num: 76

Candidate Starts for Skyerus_52:

(Start: 76 @32140 has 238 MA's), (104, 32314), (127, 32470), (130, 32491),

Gene: Smarties_74 Start: 42439, Stop: 42945, Start Num: 75

Candidate Starts for Smarties_74:

(50, 42349), (63, 42394), (Start: 73 @42436 has 4 MA's), (Start: 75 @42439 has 22 MA's), (104, 42613), (112, 42661), (113, 42667), (124, 42745), (130, 42787),

Gene: SoJo_44 Start: 31978, Stop: 32505, Start Num: 76

Candidate Starts for SoJo_44:

(19, 31687), (21, 31702), (28, 31795), (46, 31876), (48, 31885), (Start: 76 @31978 has 238 MA's), (103, 32146), (113, 32206), (116, 32215), (130, 32323), (147, 32485),

Gene: SonDevVon_78 Start: 38751, Stop: 39269, Start Num: 76

Candidate Starts for SonDevVon_78:

(66, 38712), (Start: 76 @38751 has 238 MA's), (109, 38970),

Gene: Sonali_48 Start: 38621, Stop: 39217, Start Num: 76

Candidate Starts for Sonali_48:

(Start: 76 @38621 has 238 MA's), (105, 38807), (114, 38852), (124, 38927),

Gene: Sonny_37 Start: 30840, Stop: 31397, Start Num: 76

Candidate Starts for Sonny_37:

(53, 30753), (Start: 76 @30840 has 238 MA's), (86, 30864), (111, 31053), (112, 31062), (127, 31167), (128, 31176), (130, 31188), (143, 31281),

Gene: SophKB_97 Start: 58991, Stop: 59434, Start Num: 78

Candidate Starts for SophKB_97:

(Start: 78 @58991 has 134 MA's), (92, 59072), (96, 59090), (115, 59222), (123, 59288), (130, 59336), (139, 59423),

Gene: Sotrice96_101 Start: 59897, Stop: 60337, Start Num: 78

Candidate Starts for Sotrice96_101:

(Start: 78 @59897 has 134 MA's), (96, 59996), (115, 60128), (123, 60194), (130, 60242),

Gene: Splinter_54 Start: 36171, Stop: 36677, Start Num: 77

Candidate Starts for Splinter_54:

(Start: 77 @36171 has 10 MA's), (102, 36333), (115, 36405), (124, 36477), (130, 36519),

Gene: Sporco_74 Start: 39484, Stop: 40005, Start Num: 76

Candidate Starts for Sporco_74:

(Start: 76 @39484 has 238 MA's), (97, 39586), (109, 39703),

Gene: Stank_102 Start: 59671, Stop: 60111, Start Num: 78

Candidate Starts for Stank_102:

(24, 59470), (26, 59473), (Start: 31 @59500 has 1 MA's), (32, 59503), (39, 59545), (56, 59599), (Start: 78 @59671 has 134 MA's), (96, 59770), (115, 59902), (123, 59968), (130, 60016),

Gene: Stark_101 Start: 59955, Stop: 60395, Start Num: 78

Candidate Starts for Stark_101:

(Start: 78 @59955 has 134 MA's), (96, 60054), (107, 60150), (115, 60186), (123, 60252), (130, 60300),

Gene: StellaBean_99 Start: 60033, Stop: 60473, Start Num: 78

Candidate Starts for StellaBean_99:

(Start: 78 @60033 has 134 MA's), (96, 60132), (115, 60264), (123, 60330), (130, 60378),

Gene: StevieBAY_37 Start: 30898, Stop: 31446, Start Num: 76

Candidate Starts for StevieBAY_37:

(Start: 76 @30898 has 238 MA's), (86, 30922), (112, 31120), (128, 31234), (130, 31246), (143, 31324),

Gene: StolenFromERC_102 Start: 59596, Stop: 60036, Start Num: 78

Candidate Starts for StolenFromERC_102:

(24, 59395), (26, 59398), (Start: 31 @59425 has 1 MA's), (32, 59428), (39, 59470), (56, 59524), (Start: 78 @59596 has 134 MA's), (96, 59695), (115, 59827), (123, 59893), (130, 59941),

Gene: StormChicken_101 Start: 59962, Stop: 60402, Start Num: 78

Candidate Starts for StormChicken_101:

(56, 59890), (Start: 78 @59962 has 134 MA's), (96, 60061), (107, 60157), (115, 60193), (123, 60259), (130, 60307),

Gene: StuartMinion_46 Start: 30321, Stop: 30833, Start Num: 76

Candidate Starts for StuartMinion_46:

(Start: 76 @30321 has 238 MA's), (90, 30375), (99, 30435), (101, 30477), (104, 30495), (124, 30627), (127, 30648),

Gene: Sunny_ Start: 42733, Stop: 43239, Start Num: 75

Candidate Starts for Sunny_:

(Start: 75 @42733 has 22 MA's), (104, 42907), (107, 42931), (111, 42946), (117, 42976), (124, 43039), (130, 43081),

Gene: Sunshine23_49 Start: 38506, Stop: 39102, Start Num: 76

Candidate Starts for Sunshine23_49:

(Start: 76 @38506 has 238 MA's), (105, 38692), (114, 38737), (124, 38812),

Gene: Sweetums_45 Start: 26566, Stop: 26072, Start Num: 76

Candidate Starts for Sweetums_45:

(Start: 76 @26566 has 238 MA's), (130, 26218),

Gene: TBrady12_103 Start: 59111, Stop: 59551, Start Num: 78

Candidate Starts for TBrady12_103:

(24, 58910), (26, 58913), (Start: 31 @58940 has 1 MA's), (32, 58943), (39, 58985), (56, 59039), (Start: 78 @59111 has 134 MA's), (96, 59210), (107, 59306), (115, 59342), (123, 59408), (130, 59456),

Gene: TZGordon_56 Start: 35517, Stop: 36008, Start Num: 77

Candidate Starts for TZGordon_56:

(Start: 77 @35517 has 10 MA's), (102, 35679), (115, 35751), (120, 35796), (124, 35823),

Gene: TaeYoung_37 Start: 30823, Stop: 31371, Start Num: 76

Candidate Starts for TaeYoung_37:

(53, 30736), (Start: 76 @30823 has 238 MA's), (86, 30847), (104, 30997), (105, 31009), (112, 31045), (127, 31150), (130, 31171), (143, 31255),

Gene: Tarkin_99 Start: 60497, Stop: 60937, Start Num: 78

Candidate Starts for Tarkin_99:

(Start: 78 @60497 has 134 MA's), (96, 60596), (107, 60692), (115, 60728), (123, 60794), (130, 60842),

Gene: TaylorSipht_54 Start: 34187, Stop: 34702, Start Num: 76

Candidate Starts for TaylorSipht_54:

(Start: 76 @34187 has 238 MA's), (92, 34268), (113, 34415), (115, 34421), (124, 34493), (127, 34514), (132, 34544),

Gene: TeamEdward_100 Start: 60159, Stop: 60599, Start Num: 78

Candidate Starts for TeamEdward_100:

(Start: 78 @60159 has 134 MA's), (96, 60258), (107, 60354), (115, 60390), (123, 60456), (130, 60504),

Gene: Teamocil_68 Start: 40761, Stop: 41264, Start Num: 75

Candidate Starts for Teamocil_68:

(Start: 75 @40761 has 22 MA's), (112, 40983), (124, 41067),

Gene: TeardropMSU_96 Start: 58978, Stop: 59418, Start Num: 78

Candidate Starts for TeardropMSU_96:

(Start: 78 @58978 has 134 MA's), (96, 59077), (115, 59209), (123, 59275), (130, 59323),

Gene: Teaspoon_101 Start: 59854, Stop: 60294, Start Num: 78

Candidate Starts for Teaspoon_101:

(Start: 78 @59854 has 134 MA's), (96, 59953), (107, 60049), (115, 60085), (123, 60151), (130, 60199),

Gene: Teng_47 Start: 26473, Stop: 25979, Start Num: 76

Candidate Starts for Teng_47:

(Start: 76 @26473 has 238 MA's), (102, 26311), (130, 26125),

Gene: Terij_60 Start: 39794, Stop: 40297, Start Num: 75

Candidate Starts for Terij_60:

(Start: 75 @39794 has 22 MA's), (112, 40016), (124, 40100), (130, 40142),

Gene: Terminus_103 Start: 60897, Stop: 61337, Start Num: 78

Candidate Starts for Terminus_103:

(Start: 78 @60897 has 134 MA's), (96, 60996), (107, 61092), (115, 61128), (123, 61194), (130, 61242),

Gene: Thimble_102 Start: 58861, Stop: 59301, Start Num: 78

Candidate Starts for Thimble_102:

(24, 58660), (26, 58663), (Start: 31 @58690 has 1 MA's), (32, 58693), (39, 58735), (56, 58789), (Start: 78 @58861 has 134 MA's), (96, 58960), (107, 59056), (115, 59092), (123, 59158), (130, 59206),

Gene: Thresher_102 Start: 60735, Stop: 61175, Start Num: 78

Candidate Starts for Thresher_102:

(Start: 78 @60735 has 134 MA's), (96, 60834), (107, 60930), (115, 60966), (123, 61032), (130, 61080),

Gene: Tiff81_67 Start: 36649, Stop: 37155, Start Num: 76

Candidate Starts for Tiff81_67:

(Start: 76 @36649 has 238 MA's), (92, 36730), (109, 36868),

Gene: Timinator_37 Start: 30897, Stop: 31436, Start Num: 76

Candidate Starts for Timinator_37:

(Start: 76 @30897 has 238 MA's), (86, 30921), (112, 31119), (130, 31245), (146, 31344),

Gene: TinaLin_53 Start: 34968, Stop: 35471, Start Num: 77

Candidate Starts for TinaLin_53:

(Start: 77 @34968 has 10 MA's), (102, 35130), (120, 35247), (121, 35259), (122, 35262), (124, 35274),

Gene: Toad24_55 Start: 35041, Stop: 35520, Start Num: 76

Candidate Starts for Toad24_55:

(Start: 76 @35041 has 238 MA's), (92, 35122), (104, 35215), (112, 35263), (113, 35269), (124, 35347), (132, 35398),

Gene: ToastyFinz_43 Start: 32811, Stop: 33314, Start Num: 76

Candidate Starts for ToastyFinz_43:

(4, 32205), (5, 32223), (11, 32376), (12, 32385), (19, 32517), (21, 32532), (28, 32625), (46, 32706), (48, 32715), (Start: 76 @32811 has 238 MA's), (90, 32865), (92, 32892), (104, 32985), (113, 33039), (123, 33108),

Gene: Tomaszewski_95 Start: 59435, Stop: 59875, Start Num: 78

Candidate Starts for Tomaszewski_95:

(59, 59378), (Start: 78 @59435 has 134 MA's), (96, 59534), (107, 59630), (115, 59666), (123, 59732), (130, 59780),

Gene: Toniann_126 Start: 71461, Stop: 71970, Start Num: 76

Candidate Starts for Toniann_126:

(Start: 76 @71461 has 238 MA's), (82, 71476), (86, 71485), (112, 71683), (130, 71809), (134, 71860), (144, 71920),

Gene: Tophat_102 Start: 64352, Stop: 64921, Start Num: 76

Candidate Starts for Tophat_102:

(Start: 76 @64352 has 238 MA's), (92, 64433), (101, 64508), (107, 64550), (112, 64574), (113, 64580), (115, 64586), (124, 64658), (127, 64679), (130, 64700),

Gene: Toto_98 Start: 60193, Stop: 60633, Start Num: 78

Candidate Starts for Toto_98:

(Start: 78 @60193 has 134 MA's), (96, 60292), (107, 60388), (115, 60424), (123, 60490), (130, 60538),

Gene: Traaww1_96 Start: 58700, Stop: 59140, Start Num: 78

Candidate Starts for Traaww1_96:

(24, 58499), (26, 58502), (Start: 31 @58529 has 1 MA's), (32, 58532), (39, 58574), (56, 58628), (Start: 78 @58700 has 134 MA's), (92, 58781), (96, 58799), (115, 58931), (123, 58997), (130, 59045),

Gene: TripleJ_56 Start: 34802, Stop: 35257, Start Num: 76

Candidate Starts for TripleJ_56:

(70, 34775), (Start: 76 @34802 has 238 MA's), (92, 34883), (104, 34976), (105, 34988), (113, 35030), (122, 35096),

Gene: Tubberson_44 Start: 31979, Stop: 32506, Start Num: 76

Candidate Starts for Tubberson_44:

(19, 31688), (21, 31703), (28, 31796), (46, 31877), (48, 31886), (Start: 76 @31979 has 238 MA's), (103, 32147), (113, 32207), (116, 32216), (130, 32324), (147, 32486),

Gene: Tuco_101 Start: 61058, Stop: 61498, Start Num: 78

Candidate Starts for Tuco_101:

(Start: 78 @61058 has 134 MA's), (96, 61157), (115, 61289), (123, 61355), (130, 61403),

Gene: Tyrumbra_63 Start: 41408, Stop: 41914, Start Num: 75

Candidate Starts for Tyrumbra_63:

(13, 41000), (15, 41045), (Start: 75 @41408 has 22 MA's), (104, 41582), (112, 41630), (130, 41756),

Gene: Ukulele_95 Start: 59455, Stop: 59895, Start Num: 78

Candidate Starts for Ukulele_95:

(Start: 78 @59455 has 134 MA's), (96, 59554), (107, 59650), (115, 59686), (123, 59752), (130, 59800),

Gene: VanLee_42 Start: 32268, Stop: 32756, Start Num: 76

Candidate Starts for VanLee_42:

(Start: 76 @32268 has 238 MA's), (85, 32286), (92, 32349), (101, 32424), (104, 32442), (114, 32499), (145, 32712),

Gene: Vendetta_54 Start: 36171, Stop: 36677, Start Num: 77

Candidate Starts for Vendetta_54:

(Start: 77 @36171 has 10 MA's), (102, 36333), (115, 36405), (124, 36477), (130, 36519),

Gene: Vibaki_38 Start: 32552, Stop: 33103, Start Num: 76

Candidate Starts for Vibaki_38:

(Start: 76 @32552 has 238 MA's), (86, 32576), (102, 32714), (112, 32774), (115, 32786),

Gene: Violeta_47 Start: 28645, Stop: 29136, Start Num: 76

Candidate Starts for Violeta_47:

(Start: 76 @28645 has 238 MA's), (112, 28867), (117, 28888), (124, 28951),

Gene: Vondra_44 Start: 30507, Stop: 30950, Start Num: 76

Candidate Starts for Vondra_44:

(Start: 76 @30507 has 238 MA's), (121, 30798),

Gene: Vulpecula_52 Start: 33417, Stop: 33938, Start Num: 76

Candidate Starts for Vulpecula_52:

(Start: 76 @33417 has 238 MA's), (92, 33498), (112, 33639), (113, 33645), (132, 33774),

Gene: Warren_45 Start: 28593, Stop: 29075, Start Num: 76

Candidate Starts for Warren_45:

(Start: 76 @28593 has 238 MA's), (112, 28815), (117, 28836), (124, 28899), (130, 28941),

Gene: Westrich_63 Start: 35225, Stop: 35704, Start Num: 76

Candidate Starts for Westrich_63:

(Start: 76 @35225 has 238 MA's), (92, 35306), (104, 35399), (112, 35447), (113, 35453), (124, 35531), (132, 35582),

Gene: Wiggin_102 Start: 59101, Stop: 59541, Start Num: 78

Candidate Starts for Wiggin_102:

(24, 58900), (26, 58903), (Start: 31 @58930 has 1 MA's), (32, 58933), (39, 58975), (56, 59029), (Start: 78 @59101 has 134 MA's), (96, 59200), (115, 59332), (123, 59398), (130, 59446),

Gene: WileyE_54 Start: 34174, Stop: 34692, Start Num: 76

Candidate Starts for WileyE_54:

(Start: 76 @34174 has 238 MA's), (92, 34255), (112, 34396), (113, 34402), (121, 34465), (132, 34531),

Gene: Willez_95 Start: 58223, Stop: 58663, Start Num: 78

Candidate Starts for Willez_95:

(Start: 78 @58223 has 134 MA's), (96, 58322), (107, 58418), (115, 58454), (123, 58520), (130, 58568),

Gene: Winchester007_47 Start: 28673, Stop: 29167, Start Num: 76

Candidate Starts for Winchester007_47:

(Start: 76 @28673 has 238 MA's), (112, 28895), (117, 28916), (130, 29021),

Gene: Windest_74 Start: 36509, Stop: 37030, Start Num: 76

Candidate Starts for Windest_74:

(Start: 76 @36509 has 238 MA's), (97, 36611), (109, 36728),

Gene: Wrackline_57 Start: 30502, Stop: 29993, Start Num: 76

Candidate Starts for Wrackline_57:

(Start: 76 @30502 has 238 MA's), (86, 30478), (87, 30475), (92, 30421), (104, 30328), (112, 30280), (122, 30208), (124, 30196),

Gene: Wyborn_38 Start: 31062, Stop: 31586, Start Num: 76

Candidate Starts for Wyborn_38:

(Start: 76 @31062 has 238 MA's), (102, 31224), (104, 31236), (112, 31284), (117, 31305), (131, 31413),

Gene: Xandras_99 Start: 58924, Stop: 59364, Start Num: 78

Candidate Starts for Xandras_99:

(24, 58723), (26, 58726), (Start: 31 @58753 has 1 MA's), (32, 58756), (39, 58798), (56, 58852), (Start: 78 @58924 has 134 MA's), (92, 59005), (96, 59023), (115, 59155), (123, 59221), (130, 59269),

Gene: YassJohnny_97 Start: 58244, Stop: 58684, Start Num: 78

Candidate Starts for YassJohnny_97:

(24, 58043), (26, 58046), (Start: 31 @58073 has 1 MA's), (32, 58076), (39, 58118), (56, 58172), (Start: 78 @58244 has 134 MA's), (92, 58325), (96, 58343), (115, 58475), (123, 58541), (130, 58589),

Gene: Yeti_66 Start: 40535, Stop: 41041, Start Num: 76

Candidate Starts for Yeti_66:

(Start: 76 @40535 has 238 MA's), (83, 40550), (112, 40757), (124, 40841), (130, 40883),

Gene: YoungHarleezy_71 Start: 37838, Stop: 38341, Start Num: 76

Candidate Starts for YoungHarleezy_71:

(Start: 76 @37838 has 238 MA's), (92, 37919), (109, 38057),

Gene: Youngblood_103 Start: 60394, Stop: 60834, Start Num: 78

Candidate Starts for Youngblood_103:

(24, 60193), (26, 60196), (Start: 31 @60223 has 1 MA's), (32, 60226), (39, 60268), (56, 60322), (Start: 78 @60394 has 134 MA's), (92, 60475), (96, 60493), (107, 60589), (115, 60625), (123, 60691), (130, 60739),

Gene: Yvonnetastic_132 Start: 74503, Stop: 75024, Start Num: 76

Candidate Starts for Yvonnetastic_132:

(Start: 76 @74503 has 238 MA's), (81, 74515), (86, 74527), (90, 74557), (95, 74599), (96, 74602), (113, 74731), (144, 74968),

Gene: Zapato_64 Start: 41387, Stop: 41893, Start Num: 75

Candidate Starts for Zapato_64:

(Start: 75 @41387 has 22 MA's), (112, 41609), (124, 41693), (130, 41735),

Gene: Zartrosa_37 Start: 30749, Stop: 31297, Start Num: 76

Candidate Starts for Zartrosa_37:

(53, 30662), (Start: 76 @30749 has 238 MA's), (86, 30773), (112, 30971), (127, 31076), (143, 31181),

Gene: Zhuangyuan_57 Start: 34030, Stop: 34542, Start Num: 76

Candidate Starts for Zhuangyuan_57:

(Start: 76 @34030 has 238 MA's), (86, 34054), (95, 34126), (113, 34258), (115, 34264), (116, 34267), (124, 34336),

Gene: Zixiang_52 Start: 34405, Stop: 34884, Start Num: 76

Candidate Starts for Zixiang_52:

(Start: 76 @34405 has 238 MA's), (92, 34486), (104, 34579), (112, 34627), (113, 34633), (124, 34711), (132, 34762),

Gene: pZL12_1c Start: 1177, Stop: 662, Start Num: 89

Candidate Starts for pZL12_1c:

(Start: 76 @1216 has 238 MA's), (83, 1201), (86, 1192), (87, 1189), (89, 1177), (92, 1135), (95, 1120), (98, 1111), (101, 1057), (104, 1039), (112, 991), (115, 979), (120, 934), (121, 922), (124, 907), (125, 898), (129, 868), (130, 865), (138, 781),

Gene: xkcd_103 Start: 60578, Stop: 61018, Start Num: 78

Candidate Starts for xkcd_103:

(24, 60377), (26, 60380), (Start: 31 @60407 has 1 MA's), (32, 60410), (39, 60452), (56, 60506), (Start: 78 @60578 has 134 MA's), (92, 60659), (96, 60677), (115, 60809), (123, 60875), (130, 60923),