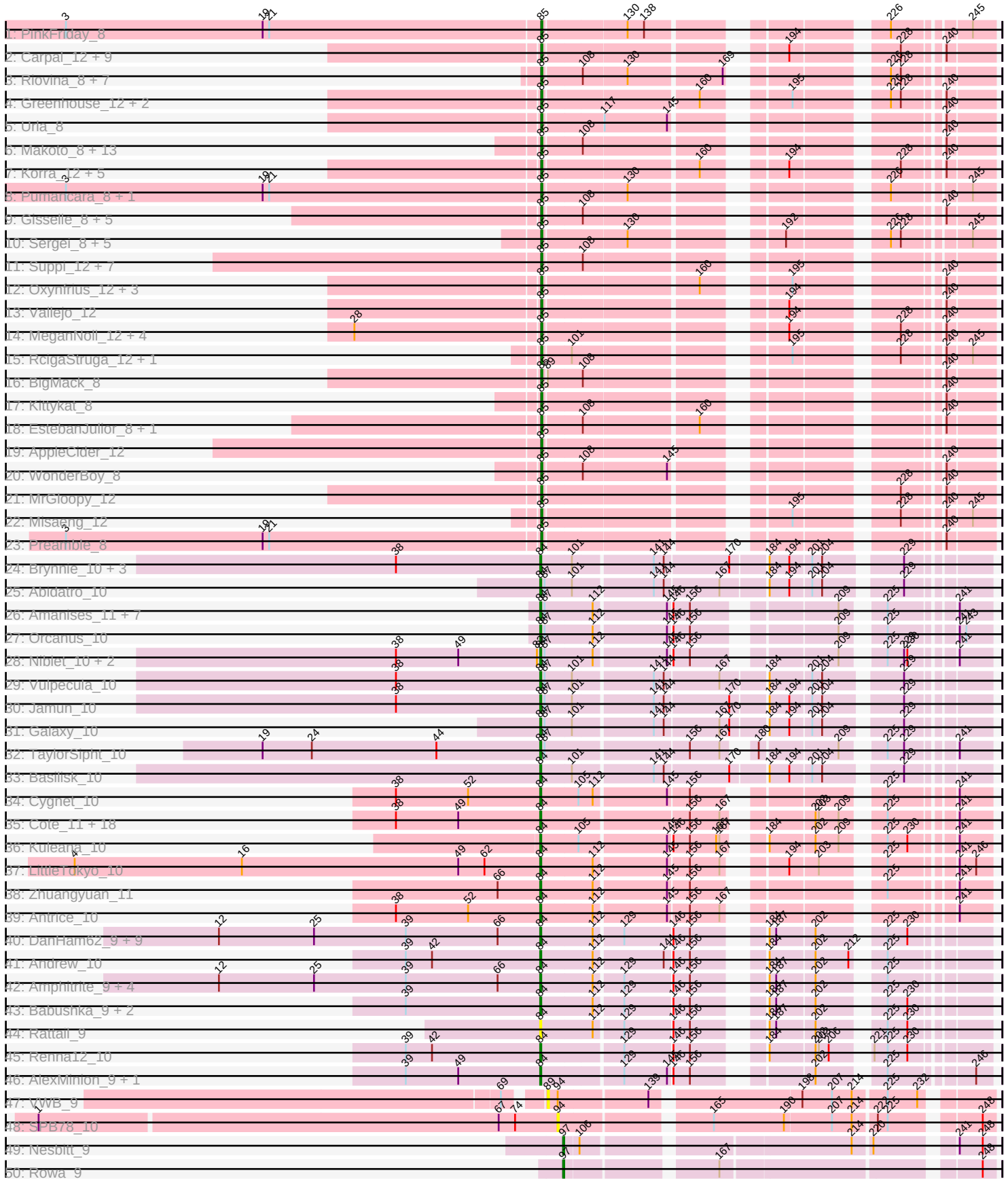
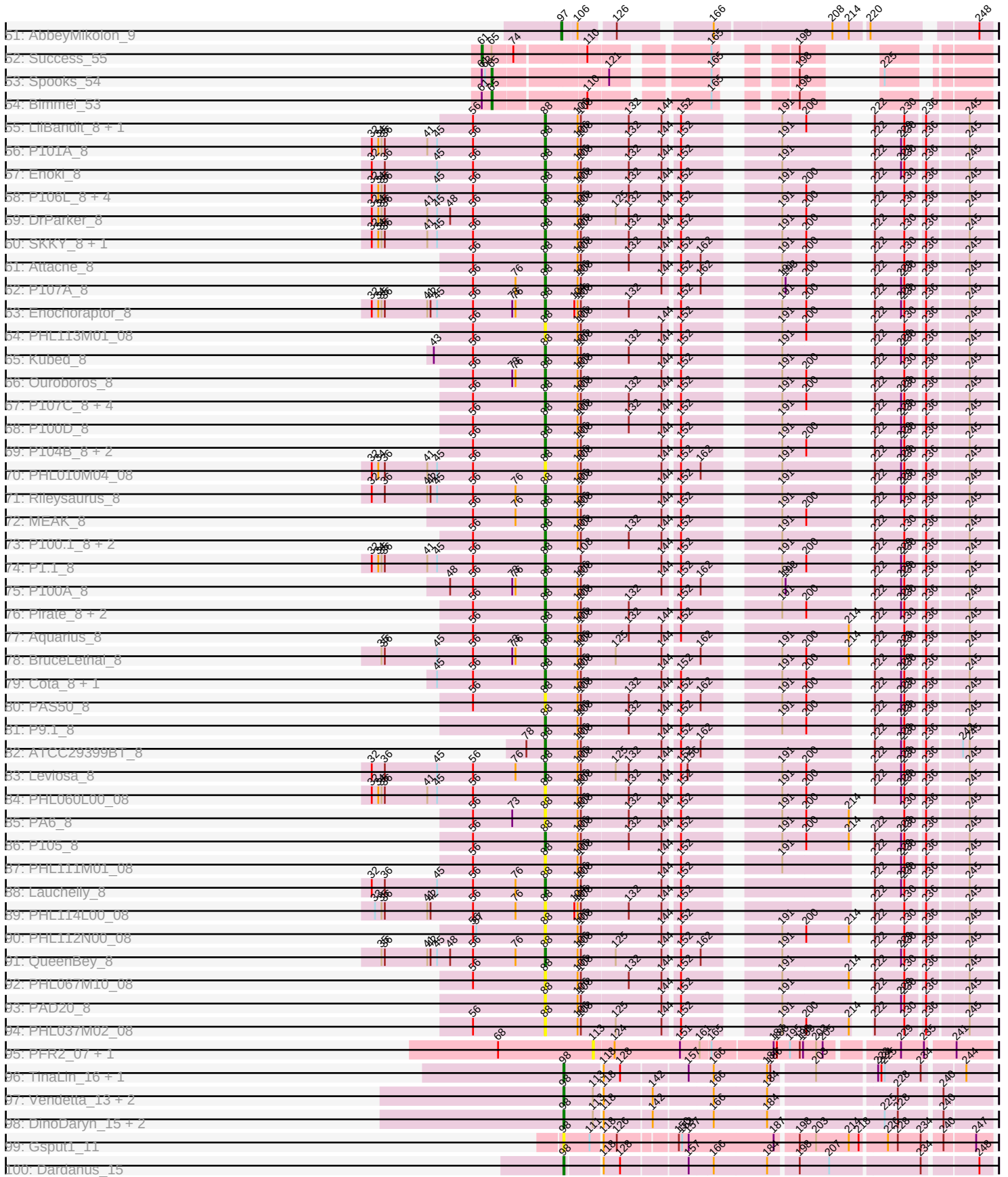
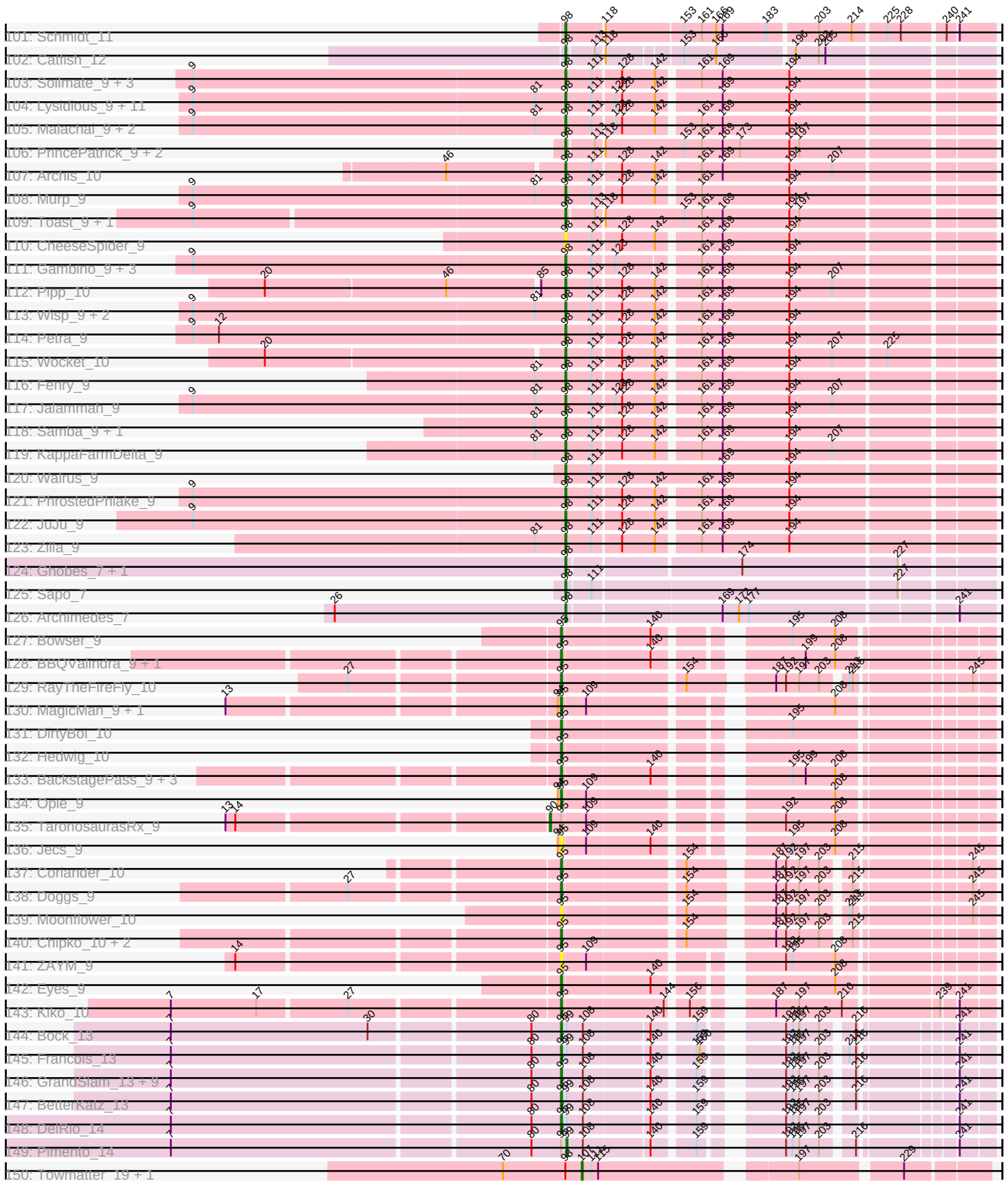




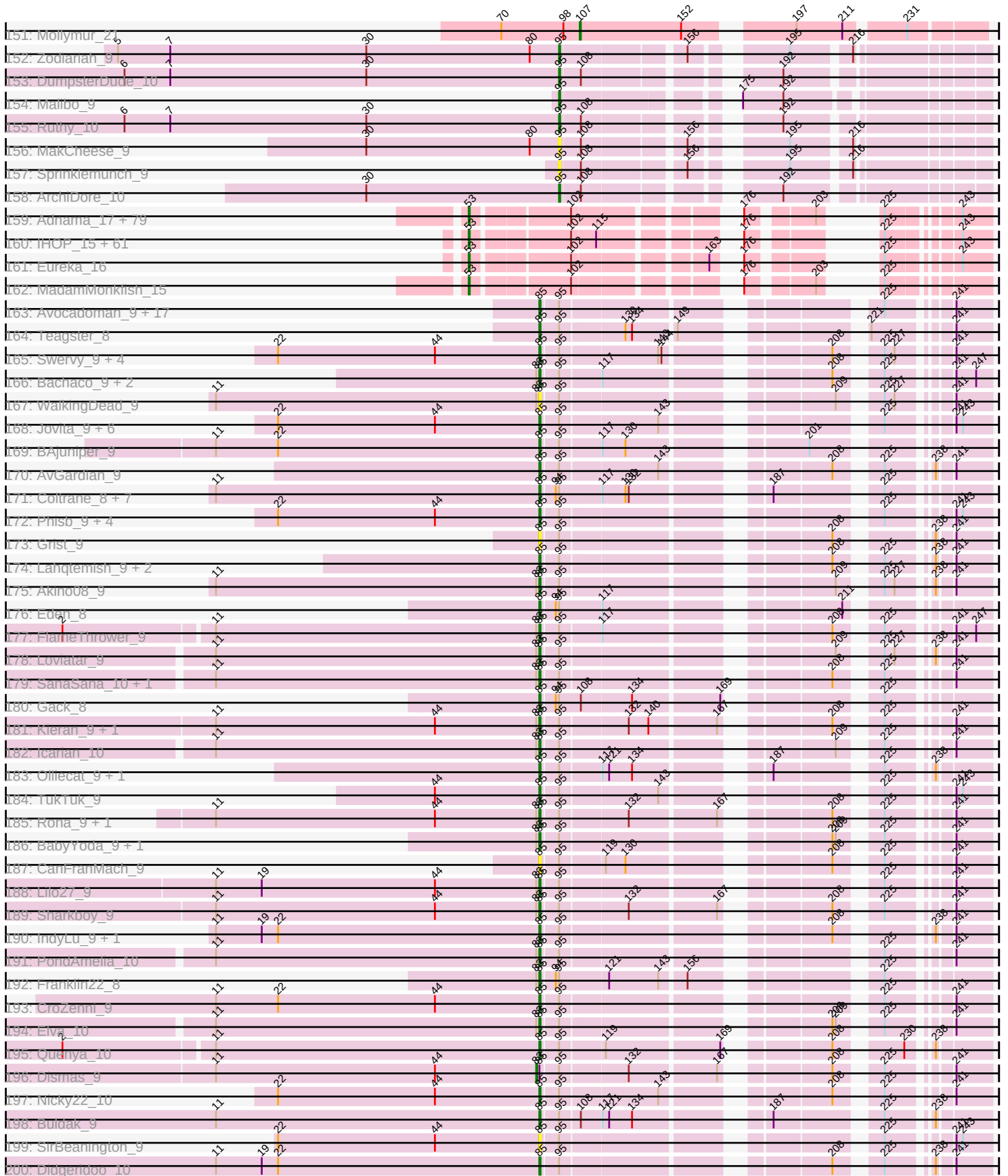
Pham 330292



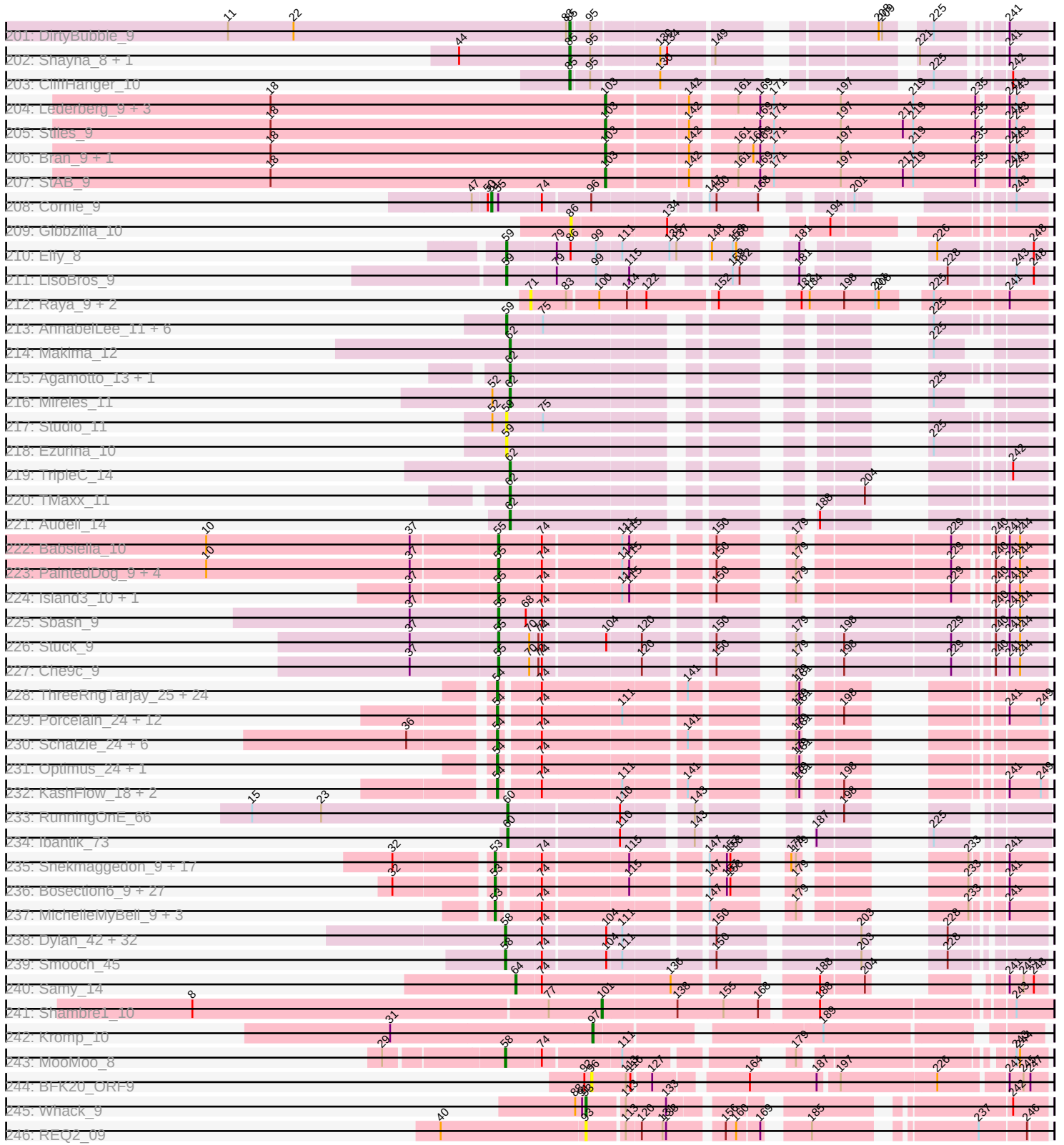
Pham 330292



Pham 330292



Pham 330292



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 330292 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 330292 has 752 members, 90 are drafts.

Phages represented in each track:

- Track 1 : PinkFriday_8
- Track 2 : Carpal_12, Potatoes_12, Cholula_12, Fluke_12, TattModd_12, Glenn_12, Rozby_12, Riverdale_12, Immaculata_12, Beethoven_12
- Track 3 : Riovina_8, Eunoia_8, Aledel_8, AustinPowers_8, OMalley_8, Chridison_8, HunterDalle_8, Vulture_8
- Track 4 : Greenhouse_12, Nubia_12, Joann_12
- Track 5 : Urla_8
- Track 6 : Makoto_8, Pterodactyl_8, ChewChew_8, DrRobert_8, Lennox_8, Nancia_8, Lucy_8, PitaDog_8, Bodacious_8, Lasagna_8, OurGirlNessie_8, CristinaYang_8, Christian_8, LilStuart_8
- Track 7 : Korra_12, Wawa_12, Kalizoi_12, Zorro_12, Dino_12, BrotherBLo_12
- Track 8 : Pumancara_8, Supakev_8
- Track 9 : Gisselle_8, Moki_8, Huckleberry_8, DreamTeam_8, Bennie_8, HeadNerd_8
- Track 10 : Sergei_8, Temper16_8, Maria1952_8, Daiboju_8, KingBob_8, Herb_8
- Track 11 : Suppi_12, Graynor_12, CallieOMalley_12, Wayne_12, Litotes_12, PartyCup_12, MrBoss_12, Canowicakte_12
- Track 12 : Oxyntius_12, GreenHearts_12, Lakshmi_12, Albanese_12
- Track 13 : Vallejo_12
- Track 14 : MeganNoll_12, Jumboset_12, Scuttle_12, Savage2526_12, RAP15_12
- Track 15 : RcigaStruga_12, Huntingdon_12
- Track 16 : BigMack_8
- Track 17 : Kittykat_8
- Track 18 : EstebanJulior_8, MamaPearl_8
- Track 19 : AppleCider_12
- Track 20 : WonderBoy_8
- Track 21 : MrGloopy_12
- Track 22 : Misaeng_12
- Track 23 : Preamble_8
- Track 24 : Brynnie_10, Chickaboom_9, WileyE_9, Ruchi_10
- Track 25 : Abidatro_10
- Track 26 : Amanises_11, Eesa_10, KendraB23_11, Pelletreau_11, Westrich_11, Toad24_11, Gravel_11, Shen_11

- Track 27 : Orcanus_10
- Track 28 : Niblet_10, Chicken_10, Zixiang_10
- Track 29 : Vulpecula_10
- Track 30 : Jamun_10
- Track 31 : Galaxy_10
- Track 32 : TaylorSipht_10
- Track 33 : Basilisk_10
- Track 34 : Cygnet_10
- Track 35 : Cote_11, GramZayde_10, OtsoOtso_10, Pineda_11, Bibble12_11, Jerole_11, Polka_10, Daob_11, Coral_10, Colusalem_10, HannahPhantana_11, Melons_11, BadWillHunting_11, Bedetta_11, Damocles_11, PhirstandPhine_11, Kepler_10, Amelia_11, Lunar_11
- Track 36 : Kuleana_10
- Track 37 : LittleTokyo_10
- Track 38 : Zhuangyuan_11
- Track 39 : Antrice_10
- Track 40 : DanHam62_9, Oppalora_9, Atlantica_9, AdoptaAdorbs_9, Juno112_9, KHumphrey_9, Glotell_9, RedFox_9, AmiCi24_9, Fingolfin_9
- Track 41 : Andrew_10
- Track 42 : Amphitrite_9, Laphuphu24k_9, PhluffyCoco_9, HamCheese_9, Camara_9
- Track 43 : Babushka_9, Leona_9, Azaz_9
- Track 44 : Rattail_9
- Track 45 : Renna12_10
- Track 46 : AlexMinion_9, StuartMinion_9
- Track 47 : VWB_9
- Track 48 : SPB78_10
- Track 49 : Nesbitt_9
- Track 50 : Rowa_9
- Track 51 : AbbeyMikolon_9
- Track 52 : Success_55
- Track 53 : Spooks_54
- Track 54 : Bimmel_53
- Track 55 : LilBandit_8, P14.4_8
- Track 56 : P101A_8
- Track 57 : Enoki_8
- Track 58 : P106L_8, P106I_8, P106C_8, P106M_8, P106A_8
- Track 59 : DrParker_8
- Track 60 : SKKY_8, Moyashi_8
- Track 61 : Attacne_8
- Track 62 : P107A_8
- Track 63 : Enochoraptor_8
- Track 64 : PHL113M01_08
- Track 65 : Kubed_8
- Track 66 : Ouroboros_8
- Track 67 : P107C_8, Wizzo_8, ATCC29399BC_8, Supernova_8, Solid_8
- Track 68 : P100D_8
- Track 69 : P104B_8, Stormborn_8, Procrass1_8
- Track 70 : PHL010M04_08
- Track 71 : Rileysaurus_8
- Track 72 : MEAK_8
- Track 73 : P100.1_8, MrAK_8, P104A_8
- Track 74 : P1.1_8

- Track 75 : P100A_8
- Track 76 : Pirate_8, PHL071N05_08, P108C_8
- Track 77 : Aquarius_8
- Track 78 : BruceLethal_8
- Track 79 : Cota_8, Keiki_8
- Track 80 : PAS50_8
- Track 81 : P9.1_8
- Track 82 : ATCC29399BT_8
- Track 83 : Leviosa_8
- Track 84 : PHL060L00_08
- Track 85 : PA6_8
- Track 86 : P105_8
- Track 87 : PHL111M01_08
- Track 88 : Lauchelly_8
- Track 89 : PHL114L00_08
- Track 90 : PHL112N00_08
- Track 91 : QueenBey_8
- Track 92 : PHL067M10_08
- Track 93 : PAD20_8
- Track 94 : PHL037M02_08
- Track 95 : PFR2_07, PFR1_07
- Track 96 : TinaLin_16, Banquo_17
- Track 97 : Vendetta_13, Splinter_13, Goib_14
- Track 98 : DinoDaryn_15, Huffy_15, TZGordon_15
- Track 99 : Gspu1_11
- Track 100 : Dardanus_15
- Track 101 : Schmidt_11
- Track 102 : Catfish_12
- Track 103 : Soilmate_9, CarolAnn_9, Frokostdame_9, Blino_9
- Track 104 : Lysidious_9, BlingBling_9, Hitter_9, Guacamole_9, Zarbodnamra_9, Utz_9, Melba_9, CaptainKirk2_9, MintFen_9, Barco_9, Delian_9, JasperJr_9
- Track 105 : Malachai_9, Begonia_9, Mellie_9
- Track 106 : PrincePatrick_9, Fairfaxidum_9, William_9
- Track 107 : Archis_10
- Track 108 : Murp_9
- Track 109 : Toast_9, PCoral7_9
- Track 110 : CheeseSpider_9
- Track 111 : Gambino_9, Azula_9, Blueberry_9, MissRona_9
- Track 112 : Pipp_10
- Track 113 : Wisp_9, ZiggyZoo_9, Oblivate_9
- Track 114 : Petra_9
- Track 115 : Wocket_10
- Track 116 : Fenry_9
- Track 117 : Jalammah_9
- Track 118 : Samba_9, UmaThurman_9
- Track 119 : KappaFarmDelta_9
- Track 120 : Walrus_9
- Track 121 : PhrostedPhlake_9
- Track 122 : JuJu_9
- Track 123 : Zilla_9
- Track 124 : Ghobes_7, Frizzle_7
- Track 125 : Sapo_7
- Track 126 : Archimedes_7

- Track 127 : Bowser_9
- Track 128 : BBQValindra_9, Bunker_9
- Track 129 : RayTheFireFly_10
- Track 130 : MagicMan_9, Schnabeltier_9
- Track 131 : DirtyBoi_10
- Track 132 : Hedwig_10
- Track 133 : BackstagePass_9, GEazy_9, NaLuna_9, HannahD_9
- Track 134 : Opie_9
- Track 135 : TaronosaurusRx_9
- Track 136 : Jecs_9
- Track 137 : Coriander_10
- Track 138 : Doggs_9
- Track 139 : Moonflower_10
- Track 140 : Chipko_10, Dmitri_10, PatriciaStar_9
- Track 141 : ZAYM_9
- Track 142 : Eyes_9
- Track 143 : Kiko_10
- Track 144 : Bock_13
- Track 145 : Francois_13
- Track 146 : GrandSlam_13, WheatThin_13, Parada_13, Nadeem_13, Chop_13, Brylie_13, NancyRae_13, Mulch_13, Ayotoya_13, Hamood_13
- Track 147 : BetterKatz_13
- Track 148 : DelRio_14
- Track 149 : Pimento_14
- Track 150 : Towmatter_19, Daredevil_20
- Track 151 : Mollymur_21
- Track 152 : Zodiariah_9
- Track 153 : DumpsterDude_10
- Track 154 : Malibo_9
- Track 155 : Ruthy_10
- Track 156 : MakCheese_9
- Track 157 : Sprinklemunch_9
- Track 158 : ArchiDore_10
- Track 159 : Adnama_17, Pat3_15, Hopey_16, Filch_16, Easy2Say_16, Brewer_15, Hoonter_17, MPhalcon_15, BaboJay_15, Czyszczo1_16, Stank_17, OrionPax_16, NonchalantPear_15, Elite2014_14, ShereKhan_17, Murphy_15, Phrux_15, Lilac_17, Ptowny_15, BigBubba_15, Terminus_15, AmericanBeauty_17, Bench_17, Cjw1_15, Misfit_15, ChosenOne_14, Goku_16, Teaspoon_15, Pumpkin_16, Highbury_16, Xandras_17, Wiggin_17, DrDrey_16, Elph10_16, Paperbeatsrock_17, Murica_14, Policronamos_15, Gemini_17, PaddyBaddy_16, Gage_17, NoSleep_16, HufflyPuff_14, Petra64142_16, FireRed_15, Lilizi_17, Pharsalus_16, Stark_16, Maxxinista_16, TBrady12_17, Ukulele_15, Moldemort_16, StolenFromERC_17, ChotaBhai_15, Greep_16, StormChicken_16, Bogg_16, MollyToe_16, Dumbo_15, Lilpickle_14, Thresher_16, GoldenSpark_17, Kanye_17, HanKaySha_16, MISSy_15, 244_16, Porky_14, RiverMonster_15, Becksu_15, Simpliphy_16, Tarkin_17, GooberAzure_17, Argent26_17, Nimrod_15, Youngblood_15, Emmina_15, PhatBacter_15, JeTaime_17, TeamEdward_16, Kimchi_17, Saints25_16
- Track 160 : IHOP_15, Qualification_17, Balomoji_15, Dusk_15, Miniwave_16, Palpatine_15, Mosby_15, FairyPath_16, NelitzaMV_16, LiveLaughBron_15, Bask21_15, Goldilocks_17, Tuco_16, Contagion_15, Buck_15, Barbarian_15, Traaww1_14, Flypotenuse_14, Phaux_14, Amao_16, DoctorDiddles_16, Willez_15, Command613_17, Gator_14, CrystalP_16, Marshmallow_16, Cookies_16, ShamWow_16, Henry_16, ABCat_15, Toto_16, Mindy_16, Tomaszewski_15,

Inca_15, Daikon_14, FoghornLeghorn_15, xkcd_16, Holt_17, Nala_15,
 BugsBunny_13, Harella_14, Icee_15, StellaBean_16, Rimmer_15, Bruin_15,
 Kostya_16, TeardropMSU_15, Asriel_15, SirDuracell_15, Sassay_15, Glexan_14,
 Rakim_17, Sotrice96_16, Myrale_16, Manda_16, Thimble_16, YassJohnny_16,
 SophKB_16, Cactus_17, Phaja_15, BilboSwaggins_16, BadStone_15
 • Track 161 : Eureka_16
 • Track 162 : MadamMonkfish_15
 • Track 163 : Avacadoman_9, Johnathan_9, Solea_10, SansAfet_9, DickRichards_9,
 BelmontSKP_10, Milomuff_10, Burritobowl_9, Cashington_9, Bengal_9, Softsoap_9,
 Albright_9, LimaBean_9, Arroyo_10, Doobus_9, Abigail_9, PhigPhack_9, AnnaLie_10
 • Track 164 : Teagster_8
 • Track 165 : Swervy_9, SarBear_9, AylexOG_10, Slay_9, Finalfrontier_10
 • Track 166 : Bachaco_9, Celaena_9, Katzastrophic_9
 • Track 167 : WalkingDead_9
 • Track 168 : Jovita_9, Jabb_9, Eula_9, MsUbiquitous_9, Pecas_9, QMacho_10,
 CupcakePrincess_9
 • Track 169 : BAJuniper_9
 • Track 170 : AvGardian_9
 • Track 171 : Coltrane_8, Skylord_8, Clayda5_8, Rollins_8, Vitas_8, Brahms_8,
 Bernstein_8, Armstrong_8
 • Track 172 : Phisb_9, BubbaBear_9, Albedo_9, Lynlen_9, Kenzers_9
 • Track 173 : Grist_9
 • Track 174 : Lahqtemish_9, PastaFagioli_9, BabyDaisy_10
 • Track 175 : Akino08_9
 • Track 176 : Eden_8
 • Track 177 : FlameThrower_9
 • Track 178 : Loviatar_9
 • Track 179 : SanaSana_10, Stoor_9
 • Track 180 : Gack_8
 • Track 181 : Kieran_9, ChiliPepper_9
 • Track 182 : Icarian_10
 • Track 183 : Olliecat_9, Squirrel_9
 • Track 184 : TukTuk_9
 • Track 185 : Rona_9, Kamdara_9
 • Track 186 : BabyYoda_9, Stromboli_9
 • Track 187 : CanFranMach_9
 • Track 188 : Lilo27_9
 • Track 189 : Sharkboy_9
 • Track 190 : IndyLu_9, Kate33_9
 • Track 191 : PondAmelia_10
 • Track 192 : Franklin22_8
 • Track 193 : CroZenni_9
 • Track 194 : Elva_10
 • Track 195 : Quenya_10
 • Track 196 : Dismas_9
 • Track 197 : Nicky22_10
 • Track 198 : Buldak_9
 • Track 199 : SirBeanington_9
 • Track 200 : Didgeridoo_10
 • Track 201 : DirtyBubble_9
 • Track 202 : Shayna_8, SunnyD_8
 • Track 203 : CliffHanger_10
 • Track 204 : Lederberg_9, SamW_9, Dina_9, Troy_9

- Track 205 : Stiles_9
- Track 206 : Bran_9, Adelaide_9
- Track 207 : StAB_9
- Track 208 : Cornie_9
- Track 209 : Gibbzilla_10
- Track 210 : Elfy_8
- Track 211 : LisoBros_9
- Track 212 : Raya_9, Neroxid_9, Skyerus_9
- Track 213 : AnnabelLee_11, CardboardBox_11, ChamoyPickle_11, Roberts_11, Neuville_11, Gerri43_11, ChipsNGuac_11
- Track 214 : Makima_12
- Track 215 : Agamoto_13, LastNadiia_14
- Track 216 : Mireles_11
- Track 217 : Studio_11
- Track 218 : Ezurina_10
- Track 219 : TripleC_14
- Track 220 : TMaxx_11
- Track 221 : Audell_14
- Track 222 : Babsiella_10
- Track 223 : PaintedDog_9, QueenHazel_10, Xula_9, Bluvara_10, HC_10
- Track 224 : Island3_10, Brujita_10
- Track 225 : Sbash_9
- Track 226 : Stuck_9
- Track 227 : Che9c_9
- Track 228 : ThreeRngTarjay_25, Ejimix_27, JuicyJay_28, Phoebus_26, Beem_26, Klein_26, Minerva_26, Constella_21, Zelink_27, Bagrid_24, Kalah2_27, Yeet_24, EricMillard_26, Pound_26, Bobby_27, Odette_25, Wanda_27, Redno2_25, Xiaokay_23, DmpstrDiver_25, BAKA_23, HokkenD_21, Dallas_26, Duke13_23, Halley_26
- Track 229 : Porcelain_24, Ariel_24, Gonephishing_22, BronnyJames_18, Courthouse_24, LittleE_24, Nekros_24, Squint_23, MiaZeal_24, Rearden_21, Superphikiman_24, Nibley_19, Shaboozey_18
- Track 230 : Schatzie_24, Hidrated_25, Hughesyang_25, Dove_24, NihilNomen_25, Marleymoo_27, Bombitas_23
- Track 231 : Optimus_24, Thibault_22
- Track 232 : KashFlow_18, Lucky2013_24, Omega_26
- Track 233 : RunningOnE_66
- Track 234 : Ibantik_73
- Track 235 : Snekmaggon_9, PhancyPhin_9, Raymond7_9, Redi_9, Panchino_9, Rebel_9, Spinach_9, Shweta_9, Impisi_9, Jamie19_9, BabeRuth_9, Purgamenstris_9, Hanako_9, Phrann_9, SkinnyPete_9, SpongeBob_9, Nenae_9, ShrimpFriedEgg_9
- Track 236 : Bosection6_9, Parmesanjohn_9, Andies_9, Duplicity_9, Scitech_9, Silvafighter_9, Journey_9, Silvy_9, Carcharodon_9, Cubone_8, Melville_9, Xeno_9, Schnauzer_9, Tapioca_9, Pipsqueaks_9, Chewbacca_9, Phloss_9, Philonius_9, Fulbright_9, EGUnicorn_9, Magsby_9, Charlie_9, Tessdabest_8, Xerxes_9, Tortoise12_9, Aggie_9, Smurph_9, Gex_9
- Track 237 : MichelleMyBell_9, Rubeelu_9, Butters_9, Kevin1_9
- Track 238 : Dylan_42, Alkhayr_43, Firecracker_43, Corndog_45, Zakhe101_43, FoulBall_43, Ashwin_44, Imara_43, Schuy_44, Krili_42, Winget_44, Blessica_44, NiebruSaylor_42, KingPhillip3_43, Familton_44, Bora_40, Mori_42, Zebo_43, YungJamal_46, Wildflower_43, Shida_43, Wogge42_42, YoyoKar_41, Vorrps_42, SchoolBus_43, Vagabond_43, JangDynasty_43, Murai_43, MadKillah_44,

TelAviv_40, Catdawg_43, Ryadel_47, Idergollasper_43

- Track 239 : Smooch_45
- Track 240 : Samy_14
- Track 241 : Shambre1_10
- Track 242 : Kromp_10
- Track 243 : MooMoo_8
- Track 244 : BFK20_ORF9
- Track 245 : Whack_9
- Track 246 : REQ2_09

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

The start number called the most often in the published annotations is 53, it was called in 179 of the 662 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_16, ABCat_15, Adnama_17, Aggie_9, Amao_16, AmericanBeauty_17, Andies_9, Argent26_17, Asriel_15, BabeRuth_9, BaboJay_15, BadStone_15, Balomoji_15, Barbarian_15, Bask21_15, Becksu_15, Bench_17, BigBubba_15, BilboSwaggins_16, Bogg_16, Bosection6_9, Brewer_15, Bruin_15, Buck_15, BugsBunny_13, Butters_9, Cactus_17, Carcharodon_9, Charlie_9, Chewbacca_9, ChosenOne_14, ChotaBhai_15, Cjw1_15, Command613_17, Contagion_15, Cookies_16, CrystalP_16, Cubone_8, Czyszczonek_16, Daikon_14, DoctorDiddles_16, DrDrey_16, Dumbo_15, Duplicity_9, Dusk_15, EGUnicorn_9, Easy2Say_16, Elite2014_14, Elph10_16, Emmina_15, Eureka_16, FairyPath_16, Filch_16, FireRed_15, Flypotenuse_14, FoghornLeghorn_15, Fulbright_9, Gage_17, Gator_14, Gemini_17, Gex_9, Glexan_14, Goku_16, GoldenSpark_17, Goldilocks_17, GooberAzure_17, Greep_16, HanKaySha_16, Hanako_9, Harella_14, Henry_16, Highbury_16, Holt_17, Hoonter_17, Hopey_16, HuffyPuff_14, IHOP_15, Icee_15, Impisi_9, Inca_15, Jamie19_9, JeTaime_17, Journey_9, Kanye_17, Kevin1_9, Kimchi_17, Kostya_16, Lilac_17, Lilizi_17, Lilpickle_14, Liveloughbron_15, MISSy_15, MPhalcon_15, MadamMonkfish_15, Magsby_9, Manda_16, Marshmallow_16, Maxxinista_16, Melville_9, MichelleMyBell_9, Mindy_16, Miniwave_16, Misfit_15, Moldemort_16, MollyToe_16, Mosby_15, Murica_14, Murphy_15, Myrale_16, Nala_15, NelitzaMV_16, Nenae_9, Nimrod_15, NoSleep_16, NonchalantPear_15, OrionPax_16, PaddyBaddy_16, Palpatine_15, Panchino_9, Paperbeatsrock_17, ParmesanJohn_9, Pat3_15, Petra64142_16, Phaja_15, PhancyPhin_9, Pharsalus_16, PhatBacter_15, Phaux_14, Philonius_9, Phloss_9, Phrann_9, Phrux_15, Pipsqueaks_9, Policronamos_15, Porky_14, Ptowny_15, Pumpkin_16, Purgamenstris_9, Qualification_17, Rakim_17, Raymond7_9, Rebel_9, Redi_9, Rimmer_15, RiverMonster_15, Rubeelu_9, Saints25_16, Sassay_15, Schnauzer_9, Scitech_9, ShamWow_16, ShereKhan_17, ShrimpFriedEgg_9, Shweta_9, Silvafighter_9, Silvy_9, Simpliphy_16, SirDuracell_15, SkinnyPete_9, Smurph_9, Snekmaggon_9, SophKB_16, Sotrice96_16, Spinach_9, SpongeBob_9, Stank_17, Stark_16, StellaBean_16, StolenFromERC_17, StormChicken_16, TBrady12_17, Tapioca_9, Tarkin_17, TeamEdward_16, TeardropMSU_15, Teaspoon_15, Terminus_15, Tessdabest_8, Thimble_16, Thresher_16, Tomaszewski_15, Tortoise12_9, Toto_16, Traaww1_14, Tuco_16, Ukulele_15, Wiggin_17, Willez_15, Xandras_17, Xeno_9, Xerxes_9, YassJohnny_16, Youngblood_15, xkcd_16,

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

-

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

- ATCC29399BC_8, ATCC29399BT_8, AbbeyMikolon_9, Abidatro_10, Abigail_9, Adelaide_9, AdoptaAdorbs_9, Agamoto_13, Akino08_9, Albanese_12, Albedo_9, Albright_9, Aledel_8, AlexMinion_9, Alkhayr_43, Amanises_11, Amelia_11, AmiCi24_9, Amphitrite_9, Andrew_10, AnnaLie_10, AnnabelLee_11, Antrice_10, AppleCider_12, Aquarius_8, ArchiDore_10, Archimedes_7, Archis_10, Ariel_24, Armstrong_8, Arroyo_10, Ashwin_44, Atlantica_9, Attacne_8, Audell_14, AustinPowers_8, AvGardian_9, Avocadoman_9, AylexOG_10, Ayotoya_13, Azaz_9, Azula_9, BAKA_23, BAjuniper_9, BBQValindra_9, BFK20_ORF9, Babsiella_10, Babushka_9, BabyDaisy_10, BabyYoda_9, Bachaco_9, BackstagePass_9, BadWillHunting_11, Bagrid_24, Banquo_17, Barco_9, Basilisk_10, Bedetta_11, Beem_26, Beethoven_12, Begonia_9, BelmontSKP_10, Bengal_9, Bennie_8, Bernstein_8, BetterKatz_13, Bibble12_11, BigMack_8, Bimmel_53, Blessica_44, BlingBling_9, Blino_9, Blueberry_9, Bluvara_10, Bobby_27, Bock_13, Bodacious_8, Bombitas_23, Bora_40, Bowser_9, Brahms_8, Bran_9, BronnyJames_18, BrotherBLo_12, BruceLethal_8, Brujita_10, Brylie_13, Brynnie_10, BubbaBear_9, Buldak_9, Bunker_9, Burritobowl_9, CallieOMalley_12, Camara_9, CanFranMach_9, Canowicakte_12, CaptainKirk2_9, CardboardBox_11, CarolAnn_9, Carpal_12, Cashington_9, Catdawg_43, Catfish_12, Celaena_9, ChamoyPickle_11, Che9c_9, CheeseSpider_9, ChewChew_8, Chickaboom_9, Chicken_10, ChiliPepper_9, Chipko_10, ChipsNGuac_11, Cholula_12, Chop_13, Chridison_8, Christian_8, Clayda5_8, CliffHanger_10, Coltrane_8, Colusalem_10, Constella_21, Coral_10, Coriander_10, Corndog_45, Cornie_9, Cota_8, Cote_11, Courthouse_24, CristinaYang_8, CroZenni_9, CupcakePrincess_9, Cygnet_10, Daiboju_8, Dallas_26, Damocles_11, DanHam62_9, Daob_11, Dardanus_15, Daredevil_20, DelRio_14, Delian_9, DickRichards_9, Didgeridoo_10, Dina_9, DinoDaryn_15, Dino_12, DirtyBoi_10, DirtyBubble_9, Dismas_9, Dmitri_10, DmpstrDiver_25, Doggs_9, Doobus_9, Dove_24, DrParker_8, DrRobert_8, DreamTeam_8, Duke13_23, DumpsterDude_10, Dylan_42, Eden_8, Eesa_10, Ejimix_27, Elfy_8, Elva_10, Enochoraptor_8, Enoki_8, EricMillard_26, EstebanJulior_8, Eula_9, Eunoia_8, Eyes_9, Ezurina_10, Fairfaxidum_9, Familton_44, Fenry_9, Finalfrontier_10, Fingolfin_9, Firecracker_43, FlameThrower_9, Fluke_12, FoulBall_43, Francois_13, Franklin22_8, Frizzle_7, Frokostdame_9, GEazy_9, Gack_8, Galaxy_10, Gambino_9, Gerri43_11, Ghobes_7, Gibbzilla_10, Gisselle_8, Glenn_12, Glotell_9, Goib_14, Gonephishing_22, GramZayde_10, GrandSlam_13, Gravel_11, Graynor_12, GreenHearts_12, Greenhouse_12, Grist_9, Gspu1_11, Guacamole_9, HC_10, Halley_26, HamCheese_9, Hamood_13, HannahD_9, HannahPhantana_11, HeadNerd_8, Hedwig_10, Herb_8, Hidrated_25, Hitter_9, HokkenD_21, Huckleberry_8, Huffy_15, Hughesyang_25, HunterDalle_8, Huntingdon_12, Ibantik_73, Icarian_10, Idergollasper_43, Imara_43, Immaculata_12, IndyLu_9, Island3_10, Jabb_9, Jalammah_9, Jamun_10, JangDynasty_43, JasperJr_9, Jecs_9, Jerole_11, Joann_12, Johnathan_9, Jovita_9, JuJu_9, JuicyJay_28, Jumboset_12, Juno112_9, KHumphrey_9, Kalah2_27, Kalizoi_12, Kamdara_9, KappaFarmDelta_9, KashFlow_18, Kate33_9, Katzastrophic_9, Keiki_8, KendraB23_11, Kenzers_9, Kepler_10, Kieran_9, Kiko_10, KingBob_8, KingPhillip3_43, Kittykat_8, Klein_26, Korra_12, Krili_42, Kromp_10, Kubed_8, Kuleana_10, Lahqtemish_9, Lakshmi_12, Laphuphu24k_9, Lasagna_8, LastNadiia_14, Lauchelly_8, Lederberg_9, Lennox_8, Leona_9, Leviosa_8, LilBandit_8, LilStuart_8, Lilo27_9, LimaBean_9, LisoBros_9, Litotes_12, LittleE_24, LittleTokyo_10, Loviatar_9, Lucky2013_24, Lucy_8, Lunar_11,

Lynlen_9, Lysidious_9, MEAK_8, MadKillah_44, MagicMan_9, MakCheese_9, Makima_12, Makoto_8, Malachai_9, Malibo_9, MamaPearl_8, Maria1952_8, Marleymoo_27, MeganNoll_12, Melba_9, Mellie_9, Melons_11, MiaZeal_24, Milomuff_10, Minerva_26, MintFen_9, Mireles_11, Misaeng_12, MissRona_9, Moki_8, Mollymur_21, MooMoo_8, Moonflower_10, Mori_42, Moyashi_8, MrAK_8, MrBoss_12, MrGloopy_12, MsUbiquitous_9, Mulch_13, Murai_43, Murp_9, NaLuna_9, Nadeem_13, Nancia_8, NancyRae_13, Nekros_24, Neroxid_9, Nesbitt_9, Neuville_11, Niblet_10, Nibley_19, Nicky22_10, NiebruSaylor_42, NihilNomen_25, Nubia_12, OMalley_8, Obliviate_9, Odette_25, Olliecat_9, Omega_26, Opie_9, Oppalora_9, Optimus_24, Orcanus_10, OtsoOtso_10, OurGirlNessie_8, Ouroboros_8, Oxynfrius_12, P1.1_8, P100.1_8, P100A_8, P100D_8, P101A_8, P104A_8, P104B_8, P105_8, P106A_8, P106C_8, P106I_8, P106L_8, P106M_8, P107A_8, P107C_8, P108C_8, P14.4_8, P9.1_8, PA6_8, PAD20_8, PAS50_8, PCoral7_9, PFR1_07, PFR2_07, PHL010M04_08, PHL037M02_08, PHL060L00_08, PHL067M10_08, PHL071N05_08, PHL111M01_08, PHL112N00_08, PHL113M01_08, PHL114L00_08, PaintedDog_9, Parada_13, PartyCup_12, PastaFagioli_9, PatriciaStar_9, Pecas_9, Pelletreau_11, Petra_9, PhigPhack_9, PhirstandPhine_11, Phisb_9, PhluffyCoco_9, Phoebus_26, PhrostedPhlake_9, Pimento_14, Pineda_11, PinkFriday_8, Pipp_10, Pirate_8, PitaDog_8, Polka_10, PondAmelia_10, Porcelain_24, Potatoes_12, Pound_26, Preamble_8, PrincePatrick_9, Procrass1_8, Pterodactyl_8, Pumancara_8, QMacho_10, QueenBey_8, QueenHazel_10, Quenya_10, RAP15_12, REQ2_09, Rattail_9, RayTheFireFly_10, Raya_9, RcigaStruga_12, Rearden_21, RedFox_9, Redno2_25, Renna12_10, Rileysaurus_8, Rivovina_8, Riverdale_12, Roberts_11, Rollins_8, Rona_9, Rowa_9, Rozby_12, Ruchi_10, RunningOnE_66, Ruthy_10, Ryadel_47, SKKY_8, SPB78_10, SamW_9, Samba_9, Samy_14, SanaSana_10, SansAfet_9, Sapo_7, SarBear_9, Savage2526_12, Sbash_9, Schatzie_24, Schmidt_11, Schnabeltier_9, SchoolBus_43, Schuy_44, Scuttle_12, Sergei_8, Shaboozey_18, Shambre1_10, Sharkboy_9, Shayna_8, Shen_11, Shida_43, SirBeanington_9, Skyerus_9, Skylord_8, Slay_9, Smooch_45, Softsoap_9, Soilmate_9, Solea_10, Solid_8, Splinter_13, Spooks_54, Sprinklemunch_9, Squint_23, Squircle_9, StAB_9, Stiles_9, Stoor_9, Stormborn_8, Stromboli_9, StuartMinion_9, Stuck_9, Studio_11, Success_55, SunnyD_8, Supakev_8, Supernova_8, Superphikiman_24, Suppi_12, Swervy_9, TMaxx_11, TZGordon_15, TaronosaurusRx_9, TattModd_12, TaylorSipht_10, Teagster_8, TelAviv_40, Temper16_8, Thibault_22, ThreeRngTarjay_25, TinaLin_16, Toad24_11, Toast_9, Towmatter_19, TripleC_14, Troy_9, TukTuk_9, UmaThurman_9, Urla_8, Utz_9, VWB_9, Vagabond_43, Vallejo_12, Vendetta_13, Vitas_8, Vorrrps_42, Vulpecula_10, Vulture_8, WalkingDead_9, Walrus_9, Wanda_27, Wawa_12, Wayne_12, Westrich_11, Whack_9, WheatThin_13, Wildflower_43, WileyE_9, William_9, Winget_44, Wisp_9, Wizzo_8, Wocket_10, Wogge42_42, WonderBoy_8, Xiaokay_23, Xula_9, Yeet_24, YoyoKar_41, YungJamal_46, ZAYM_9, Zakhe101_43, Zarbodnamra_9, Zebo_43, Zelink_27, Zhuangyuan_11, ZiggyZoo_9, Zilla_9, Zixiang_10, Zodiariah_9, Zorro_12,

Summary by start number:

Start 51:

- Found in 1 of 752 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 662
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cornie_9 (F5),

Start 53:

- Found in 194 of 752 (25.8%) of genes in pham
- Manual Annotations of this start: 179 of 662
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 244_16 (E), ABCat_15 (E), Adnama_17 (E), Aggie_9 (N), Amao_16 (E), AmericanBeauty_17 (E), Andies_9 (N), Argent26_17 (E), Asriel_15 (E), BabeRuth_9 (N), BaboJay_15 (E), BadStone_15 (E), Balomoji_15 (E), Barbarian_15 (E), Bask21_15 (E), Becksu_15 (E), Bench_17 (E), BigBubba_15 (E), BilboSwaggins_16 (E), Bogg_16 (E), Bosection6_9 (N), Brewer_15 (E), Bruin_15 (E), Buck_15 (E), BugsBunny_13 (E), Butters_9 (N), Cactus_17 (E), Carcharodon_9 (N), Charlie_9 (N), Chewbacca_9 (N), ChosenOne_14 (E), ChotaBhai_15 (E), Cjw1_15 (E), Command613_17 (E), Contagion_15 (E), Cookies_16 (E), CrystalP_16 (E), Cubone_8 (N), Czyszczo1_16 (E), Daikon_14 (E), DoctorDiddles_16 (E), DrDrey_16 (E), Dumbo_15 (E), Duplicity_9 (N), Dusk_15 (E), EGUnicorn_9 (N), Easy2Say_16 (E), Elite2014_14 (E), Elph10_16 (E), Emmina_15 (E), Eureka_16 (E), FairyPath_16 (E), Filch_16 (E), FireRed_15 (E), Flypotenuse_14 (E), FoghornLeghorn_15 (E), Fulbright_9 (N), Gage_17 (E), Gator_14 (E), Gemini_17 (E), Gex_9 (N), Glexan_14 (E), Goku_16 (E), GoldenSpark_17 (E), Goldilocks_17 (E), GooberAzure_17 (E), Greep_16 (E), HanKaySha_16 (E), Hanako_9 (N), Harella_14 (E), Henry_16 (E), Highbury_16 (E), Holt_17 (E), Hoonter_17 (E), Hopey_16 (E), HufflyPuff_14 (E), IHOP_15 (E), Icee_15 (E), Impisi_9 (N), Inca_15 (E), Jamie19_9 (N), JeTaime_17 (E), Journey_9 (N), Kanye_17 (E), Kevin1_9 (N), Kimchi_17 (E), Kostya_16 (E), Lilac_17 (E), Lilizi_17 (E), Lilipickle_14 (E), Liveloughbron_15 (E), MISSy_15 (E), MPhalcon_15 (E), MadamMonkfish_15 (E), Magsby_9 (N), Manda_16 (E), Marshmallow_16 (E), Maxxinsta_16 (E), Melville_9 (N), MichelleMyBell_9 (N), Mindy_16 (E), Miniwave_16 (E), Misfit_15 (E), Moldemort_16 (E), MollyToe_16 (E), Mosby_15 (E), Murica_14 (E), Murphy_15 (E), Myrale_16 (E), Nala_15 (E), NelitzaMV_16 (E), Nenae_9 (N), Nimrod_15 (E), NoSleep_16 (E), NonchalantPear_15 (E), OrionPax_16 (E), PaddyBaddy_16 (E), Palpatine_15 (E), Panchino_9 (N), Paperbeatsrock_17 (E), Parmesanjohn_9 (N), Pat3_15 (E), Petra64142_16 (E), Phaja_15 (E), PhancyPhin_9 (N), Pharsalus_16 (E), PhatBacter_15 (E), Phaux_14 (E), Philonius_9 (N), Phloss_9 (N), Phrann_9 (N), Phrux_15 (E), Pipsqueaks_9 (N), Policronamos_15 (E), Porky_14 (E), Ptowny_15 (E), Pumpkin_16 (E), Purgamenstris_9 (N), Qualification_17 (E), Rakim_17 (E), Raymond7_9 (N), Rebel_9 (N), Redi_9 (N), Rimmer_15 (E), RiverMonster_15 (E), Rubeelu_9 (N), Saints25_16 (E), Sassay_15 (E), Schnauzer_9 (N), Scitech_9 (N), ShamWow_16 (E), ShereKhan_17 (E), ShrimpFriedEgg_9 (N), Shweta_9 (N), Silvafighter_9 (N), Silvy_9 (N), Simpliphy_16 (E), SirDuracell_15 (E), SkinnyPete_9 (N), Smurph_9 (N), Snekmaggon_9 (N), SophKB_16 (E), Sotrice96_16 (E), Spinach_9 (N), SpongeBob_9 (N), Stank_17 (E), Stark_16 (E), StellaBean_16 (E), StolenFromERC_17 (E), StormChicken_16 (E), TBrady12_17 (E), Tapioca_9 (N), Tarkin_17 (E), TeamEdward_16 (E), TeardropMSU_15 (E), Teaspoon_15 (E), Terminus_15 (E), Tessdabest_8 (N), Thimble_16 (E), Thresher_16 (E), Tomaszewski_15 (E), Tortoise12_9 (N), Toto_16 (E), Traaww1_14 (E), Tuco_16 (E), Ukulele_15 (E), Wiggin_17 (E), Willez_15 (E), Xandras_17 (E), Xeno_9 (N), Xerxes_9 (N), YassJohnny_16 (E), Youngblood_15 (E), xkcd_16 (E),

Start 54:

- Found in 50 of 752 (6.6%) of genes in pham
- Manual Annotations of this start: 40 of 662
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ariel_24 (J), BAKA_23 (J), Bagrid_24 (J), Beem_26 (J), Bobby_27 (J), Bombitas_23 (J), BronnyJames_18 (J), Constella_21 (J), Courthouse_24 (J), Dallas_26 (J), DmpstrDiver_25 (J), Dove_24 (J), Duke13_23

(J), Ejimix_27 (J), EricMillard_26 (J), Gonephishing_22 (J), Halley_26 (J), Hidrated_25 (J), HokkenD_21 (J), Hughesyang_25 (J), JuicyJay_28 (J), Kalah2_27 (J), KashFlow_18 (J), Klein_26 (J), LittleE_24 (J), Lucky2013_24 (J), Marleymoo_27 (J), MiaZeal_24 (J), Minerva_26 (J), Nekros_24 (J), Nibley_19 (J), NihilNomen_25 (J), Odette_25 (J), Omega_26 (J), Optimus_24 (J), Phoebus_26 (J), Porcelain_24 (J), Pound_26 (J), Rearden_21 (J), Redno2_25 (J), Schatzie_24 (J), Shaboozey_18 (J), Squint_23 (J), Superphikiman_24 (J), Thibault_22 (J), ThreeRngTarjay_25 (J), Wanda_27 (J), Xiaokay_23 (J), Yeet_24 (J), Zelink_27 (J),

Start 55:

- Found in 12 of 752 (1.6%) of genes in pham
- Manual Annotations of this start: 9 of 662
- Called 91.7% of time when present
- Phage (with cluster) where this start called: Babsiella_10 (I1), Bluvara_10 (I3), Brujita_10 (I1), Che9c_9 (I2), HC_10 (I1), Island3_10 (I1), PaintedDog_9 (I1), QueenHazel_10 (I1), Sbash_9 (I2), Stuck_9 (I2), Xula_9 (I1),

Start 58:

- Found in 35 of 752 (4.7%) of genes in pham
- Manual Annotations of this start: 33 of 662
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alkhayr_43 (O), Ashwin_44 (O), Blessica_44 (O), Bora_40 (O), Catdawg_43 (O), Corndog_45 (O), Dylan_42 (O), Familton_44 (O), Firecracker_43 (O), FoulBall_43 (O), Idergollasper_43 (O), Imara_43 (O), JangDynasty_43 (O), KingPhillip3_43 (O), Krili_42 (O), MadKillah_44 (O), MooMoo_8 (singleton), Mori_42 (O), Murai_43 (O), NiebruSaylor_42 (O), Ryadel_47 (O), SchoolBus_43 (O), Schuy_44 (O), Shida_43 (O), Smooch_45 (O), TelAviv_40 (O), Vagabond_43 (O), Vorrrps_42 (O), Wildflower_43 (O), Winget_44 (O), Wogge42_42 (O), YoyoKar_41 (O), YungJamal_46 (O), Zakhe101_43 (O), Zebo_43 (O),

Start 59:

- Found in 11 of 752 (1.5%) of genes in pham
- Manual Annotations of this start: 6 of 662
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnnabelLee_11 (FR), CardboardBox_11 (FR), ChamoyPickle_11 (FR), ChipsNGuac_11 (FR), Elfy_8 (FP), Ezurina_10 (FR), Gerri43_11 (FR), LisoBros_9 (FP), Neuville_11 (FR), Roberts_11 (FR), Studio_11 (FR),

Start 60:

- Found in 2 of 752 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 662
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ibantik_73 (JN), RunningOnE_66 (JN),

Start 61:

- Found in 3 of 752 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 662
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Success_55 (BT),

Start 62:

- Found in 8 of 752 (1.1%) of genes in pham
- Manual Annotations of this start: 7 of 662
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Agamotto_13 (FR), Audell_14 (FR), LastNadiia_14 (FR), Makima_12 (FR), Mireles_11 (FR), TMaxx_11 (FR), TripleC_14 (FR),

Start 64:

- Found in 1 of 752 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 662
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Samy_14 (singleton),

Start 65:

- Found in 3 of 752 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 662
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Bimmel_53 (BT), Spooks_54 (BT),

Start 71:

- Found in 3 of 752 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Neroxid_9 (FQ2), Raya_9 (FQ2), Skyerus_9 (FQ2),

Start 83:

- Found in 26 of 752 (3.5%) of genes in pham
- Manual Annotations of this start: 1 of 662
- Called 3.8% of time when present
- Phage (with cluster) where this start called: Dismas_9 (EB),

Start 84:

- Found in 69 of 752 (9.2%) of genes in pham
- Manual Annotations of this start: 55 of 662
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abidatro_10 (AS1), AdoptaAdorbs_9 (AS3), AlexMinion_9 (AS3), Amanises_11 (AS1), Amelia_11 (AS2), AmiCi24_9 (AS3), Amphitrite_9 (AS3), Andrew_10 (AS3), Antrice_10 (AS2), Atlantica_9 (AS3), Azaz_9 (AS3), Babushka_9 (AS3), BadWillHunting_11 (AS2), Basilisk_10 (AS1), Bedetta_11 (AS2), Bibble12_11 (AS2), Brynnie_10 (AS1), Camara_9 (AS3), Chickaboom_9 (AS1), Chicken_10 (AS1), Colusalem_10 (AS2), Coral_10 (AS2), Cote_11 (AS2), Cygnet_10 (AS2), Damocles_11 (AS2), DanHam62_9 (AS3), Daob_11 (AS2), Eesa_10 (AS1), Fingolfin_9 (AS3), Galaxy_10 (AS1), Glotell_9 (AS3), GramZayde_10 (AS2), Gravel_11 (AS1), HamCheese_9 (AS3), HannahPhantana_11 (AS2), Jamun_10 (AS1), Jerole_11 (AS2), Juno112_9 (AS3), KHumphrey_9 (AS3), KendraB23_11 (AS1), Kepler_10 (AS2), Kuleana_10 (AS2), Laphuphu24k_9 (AS3), Leona_9 (AS3), LittleTokyo_10 (AS2), Lunar_11 (AS2), Melons_11 (AS2), Niblet_10 (AS1), Oppalora_9 (AS3), Orcanus_10 (AS1), OtsoOtso_10 (AS2), Pelletreau_11 (AS1), PhirstandPhine_11 (AS2), PhluffyCoco_9 (AS3), Pineda_11 (AS2), Polka_10 (AS2), Rattail_9 (AS3), RedFox_9 (AS3), Rennai2_10 (AS3), Ruchi_10 (AS1), Shen_11 (AS1), StuartMinion_9 (AS3), TaylorSipht_10 (AS1), Toad24_11 (AS1), Vulpecula_10 (AS1), Westrich_11 (AS1), WileyE_9 (AS1), Zhuangyuan_11 (AS2),

Zixiang_10 (AS1),

Start 85:

- Found in 177 of 752 (23.5%) of genes in pham
- Manual Annotations of this start: 166 of 662
- Called 98.9% of time when present
- Phage (with cluster) where this start called: Abigail_9 (EB), Akino08_9 (EB), Albanese_12 (AK), Albedo_9 (EB), Albright_9 (EB), Aledel_8 (AK), AnnaLie_10 (EB), AppleCider_12 (AK), Armstrong_8 (EB), Arroyo_10 (EB), AustinPowers_8 (AK), AvGardian_9 (EB), Avocadoman_9 (EB), AylexOG_10 (EB), BAjuniper_9 (EB), BabyDaisy_10 (EB), BabyYoda_9 (EB), Bachaco_9 (EB), Beethoven_12 (AK), BelmontSKP_10 (EB), Bengal_9 (EB), Bennie_8 (AK), Bernstein_8 (EB), BigMack_8 (AK), Bodacious_8 (AK), Brahms_8 (EB), BrotherBLo_12 (AK), BubbaBear_9 (EB), Buldak_9 (EB), Burritobowl_9 (EB), CallieOMalley_12 (AK), CanFranMach_9 (EB), Canowicakte_12 (AK), Carpal_12 (AK), Cashington_9 (EB), Celaena_9 (EB), ChewChew_8 (AK), ChiliPepper_9 (EB), Cholula_12 (AK), Chridison_8 (AK), Christian_8 (AK), Clayda5_8 (EB), CliffHanger_10 (EB), Coltrane_8 (EB), CristinaYang_8 (AK), CroZenni_9 (EB), CupcakePrincess_9 (EB), Daiboju_8 (AK), DickRichards_9 (EB), Didgeridoo_10 (EB), Dino_12 (AK), DirtyBubble_9 (EB), Doobus_9 (EB), DrRobert_8 (AK), DreamTeam_8 (AK), Eden_8 (EB), Elva_10 (EB), EstebanJulior_8 (AK), Eula_9 (EB), Eunoia_8 (AK), Finalfrontier_10 (EB), FlameThrower_9 (EB), Fluke_12 (AK), Franklin22_8 (EB), Gack_8 (EB), Gisselle_8 (AK), Glenn_12 (AK), Graynor_12 (AK), GreenHearts_12 (AK), Greenhouse_12 (AK), Grist_9 (EB), HeadNerd_8 (AK), Herb_8 (AK), Huckleberry_8 (AK), HunterDalle_8 (AK), Huntingdon_12 (AK), Icarian_10 (EB), Immaculata_12 (AK), IndyLu_9 (EB), Jabb_9 (EB), Joann_12 (AK), Johnathan_9 (EB), Jovita_9 (EB), Jumboset_12 (AK), Kalizoi_12 (AK), Kamdara_9 (EB), Kate33_9 (EB), Katzastrophic_9 (EB), Kenzers_9 (EB), Kieran_9 (EB), KingBob_8 (AK), Kittykat_8 (AK), Korra_12 (AK), Lahqtemish_9 (EB), Lakshmi_12 (AK), Lasagna_8 (AK), Lennox_8 (AK), LilStuart_8 (AK), Lilo27_9 (EB), LimaBean_9 (EB), Litotes_12 (AK), Loviatar_9 (EB), Lucy_8 (AK), Lynlen_9 (EB), Makoto_8 (AK), MamaPearl_8 (AK), Maria1952_8 (AK), MeganNoll_12 (AK), Milomuff_10 (EB), Misaeng_12 (AK), Moki_8 (AK), MrBoss_12 (AK), MrGloopy_12 (AK), MsUbiquitous_9 (EB), Nancia_8 (AK), Nicky22_10 (EB), Nubia_12 (AK), OMalley_8 (AK), Oliecat_9 (EB), OurGirlNessie_8 (AK), Oxynfrius_12 (AK), PartyCup_12 (AK), PastaFagioli_9 (EB), Pecas_9 (EB), PhigPhack_9 (EB), Phisb_9 (EB), PinkFriday_8 (AK), PitaDog_8 (AK), PondAmelia_10 (EB), Potatoes_12 (AK), Preamble_8 (AK), Pterodactyl_8 (AK), Pumancara_8 (AK), QMacho_10 (EB), Quenya_10 (EB), RAP15_12 (AK), RcigaStruga_12 (AK), Riovina_8 (AK), Riverdale_12 (AK), Rollins_8 (EB), Rona_9 (EB), Rozby_12 (AK), SanaSana_10 (EB), SansAfet_9 (EB), SarBear_9 (EB), Savage2526_12 (AK), Scuttle_12 (AK), Sergei_8 (AK), Sharkboy_9 (EB), Shayna_8 (EB), SirBeanington_9 (EB), Skylord_8 (EB), Slay_9 (EB), Softsoap_9 (EB), Solea_10 (EB), Squirrel_9 (EB), Stoor_9 (EB), Stromboli_9 (EB), SunnyD_8 (EB), Supakev_8 (AK), Suppi_12 (AK), Swervy_9 (EB), TattModd_12 (AK), Teagster_8 (EB), Temper16_8 (AK), TukTuk_9 (EB), Ulla_8 (AK), Vallejo_12 (AK), Vitas_8 (EB), Vulture_8 (AK), WalkingDead_9 (EB), Wawa_12 (AK), Wayne_12 (AK), WonderBoy_8 (AK), Zorro_12 (AK),

Start 86:

- Found in 2 of 752 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Gibbzilla_10 (FB),

Start 88:

- Found in 58 of 752 (7.7%) of genes in pham
- Manual Annotations of this start: 45 of 662
- Called 98.3% of time when present
- Phage (with cluster) where this start called: ATCC29399BC_8 (BU), ATCC29399BT_8 (BU), Aquarius_8 (BU), Attacne_8 (BU), BruceLethal_8 (BU), Cota_8 (BU), DrParker_8 (BU), Enochoraptor_8 (BU), Enoki_8 (BU), Keiki_8 (BU), Kubed_8 (BU), Lauchelly_8 (BU), Leviosa_8 (BU), LilBandit_8 (BU), MEAK_8 (BU), Moyashi_8 (BU), MrAK_8 (BU), Ouroboros_8 (BU), P1.1_8 (BU), P100.1_8 (BU), P100A_8 (BU), P100D_8 (BU), P101A_8 (BU), P104A_8 (BU), P104B_8 (BU), P105_8 (BU), P106A_8 (BU), P106C_8 (BU), P106I_8 (BU), P106L_8 (BU), P106M_8 (BU), P107A_8 (BU), P107C_8 (BU), P108C_8 (BU), P14.4_8 (BU), P9.1_8 (BU), PA6_8 (BU), PAD20_8 (BU), PAS50_8 (BU), PHL010M04_08 (BU), PHL037M02_08 (BU), PHL060L00_08 (BU), PHL067M10_08 (BU), PHL071N05_08 (BU), PHL111M01_08 (BU), PHL112N00_08 (BU), PHL113M01_08 (BU), PHL114L00_08 (BU), Pirate_8 (BU), Procrass1_8 (BU), QueenBey_8 (BU), Rileysaurus_8 (BU), SKKY_8 (BU), Solid_8 (BU), Stormborn_8 (BU), Supernova_8 (BU), Wizzo_8 (BU),

Start 89:

- Found in 2 of 752 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: VWB_9 (BA),

Start 90:

- Found in 1 of 752 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 662
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TaronosaurusRx_9 (DB),

Start 93:

- Found in 2 of 752 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 662
- Called 100.0% of time when present
- Phage (with cluster) where this start called: REQ2_09 (singleton), Whack_9 (singleton),

Start 94:

- Found in 17 of 752 (2.3%) of genes in pham
- No Manual Annotations of this start.
- Called 5.9% of time when present
- Phage (with cluster) where this start called: SPB78_10 (BA),

Start 95:

- Found in 136 of 752 (18.1%) of genes in pham
- Manual Annotations of this start: 36 of 662
- Called 32.4% of time when present
- Phage (with cluster) where this start called: ArchiDore_10 (DW), Ayotoya_13 (DI), BBQValindra_9 (DB), BackstagePass_9 (DB), BetterKatz_13 (DI), Bock_13 (DI), Bowser_9 (DB), Brylie_13 (DI), Bunker_9 (DB), Chipko_10 (DB), Chop_13 (DI), Coriander_10 (DB), DelRio_14 (DI), DirtyBoi_10 (DB), Dmitri_10 (DB), Doggs_9 (DB), DumpsterDude_10 (DW), Eyes_9 (DB), Francois_13 (DI), GEazy_9 (DB),

GrandSlam_13 (DI), Hamood_13 (DI), HannahD_9 (DB), Hedwig_10 (DB), Jecs_9 (DB), Kiko_10 (DB), MagicMan_9 (DB), MakCheese_9 (DW), Malibo_9 (DW), Moonflower_10 (DB), Mulch_13 (DI), NaLuna_9 (DB), Nadeem_13 (DI), NancyRae_13 (DI), Opie_9 (DB), Parada_13 (DI), PatriciaStar_9 (DB), RayTheFireFly_10 (DB), Ruthy_10 (DW), Schnabeltier_9 (DB), Sprinklemunch_9 (DW), WheatThin_13 (DI), ZAYM_9 (DB), Zodiariah_9 (DW),

Start 96:

- Found in 2 of 752 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: BFK20_ORF9 (singleton),

Start 97:

- Found in 4 of 752 (0.5%) of genes in pham
- Manual Annotations of this start: 4 of 662
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbeyMikolon_9 (BL), Kromp_10 (singleton), Nesbitt_9 (BL), Rowa_9 (BL),

Start 98:

- Found in 65 of 752 (8.6%) of genes in pham
- Manual Annotations of this start: 59 of 662
- Called 95.4% of time when present
- Phage (with cluster) where this start called: Archimedes_7 (DA), Archis_10 (CV), Azula_9 (CV), Banquo_17 (CU1), Barco_9 (CV), Begonia_9 (CV), BlingBling_9 (CV), Blino_9 (CV), Blueberry_9 (CV), CaptainKirk2_9 (CV), CarolAnn_9 (CV), Catfish_12 (CU5), CheeseSpider_9 (CV), Dardanus_15 (CU3), Delian_9 (CV), DinoDaryn_15 (CU1), Fairfaxidum_9 (CV), Fenry_9 (CV), Frizzle_7 (DA), Frokostdame_9 (CV), Gambino_9 (CV), Ghobes_7 (DA), Goib_14 (CU1), Gsput1_11 (CU2), Guacamole_9 (CV), Hitter_9 (CV), Huffy_15 (CU1), Jalammah_9 (CV), JasperJr_9 (CV), JuJu_9 (CV), KappaFarmDelta_9 (CV), Lysidious_9 (CV), Malachai_9 (CV), Melba_9 (CV), Mellie_9 (CV), MintFen_9 (CV), MissRona_9 (CV), Murp_9 (CV), Obliviate_9 (CV), PCora7_9 (CV), Petra_9 (CV), PhrostedPhlake_9 (CV), Pipp_10 (CV), PrincePatrick_9 (CV), Samba_9 (CV), Sapo_7 (DA), Schmidt_11 (CU4), Soilmate_9 (CV), Splinter_13 (CU1), TZGordon_15 (CU1), TinaLin_16 (CU1), Toast_9 (CV), UmaThurman_9 (CV), Utz_9 (CV), Vendetta_13 (CU1), Walrus_9 (CV), William_9 (CV), Wisp_9 (CV), Wocket_10 (CV), Zarbodnamra_9 (CV), ZiggyZoo_9 (CV), Zilla_9 (CV),

Start 99:

- Found in 7 of 752 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 662
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Pimento_14 (DI),

Start 101:

- Found in 12 of 752 (1.6%) of genes in pham
- Manual Annotations of this start: 1 of 662
- Called 8.3% of time when present
- Phage (with cluster) where this start called: Shambre1_10 (singleton),

Start 103:

- Found in 8 of 752 (1.1%) of genes in pham
- Manual Annotations of this start: 8 of 662
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adelaide_9 (EP), Bran_9 (EP), Dina_9 (EP), Lederberg_9 (EP), SamW_9 (EP), StAB_9 (EP), Stiles_9 (EP), Troy_9 (EP),

Start 107:

- Found in 3 of 752 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 662
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Daredevil_20 (DL), Mollymur_21 (DL), Towmatter_19 (DL),

Start 113:

- Found in 17 of 752 (2.3%) of genes in pham
- No Manual Annotations of this start.
- Called 11.8% of time when present
- Phage (with cluster) where this start called: PFR1_07 (BX), PFR2_07 (BX),

Summary by clusters:

There are 36 clusters represented in this pham: FP, FR, BA, DI, BL, DB, singleton, DA, BT, BU, JN, DW, BX, DL, CU5, CU4, CU3, CU2, CU1, I1, I3, I2, EP, AS3, AS2, AS1, E, AK, J, O, EB, N, CV, F5, FB, FQ2,

Info for manual annotations of cluster AK:

- Start number 85 was manually annotated 84 times for cluster AK.

Info for manual annotations of cluster AS1:

- Start number 84 was manually annotated 17 times for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 84 was manually annotated 19 times for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 84 was manually annotated 19 times for cluster AS3.

Info for manual annotations of cluster BL:

- Start number 97 was manually annotated 3 times for cluster BL.

Info for manual annotations of cluster BT:

- Start number 61 was manually annotated 1 time for cluster BT.
- Start number 65 was manually annotated 2 times for cluster BT.

Info for manual annotations of cluster BU:

- Start number 88 was manually annotated 45 times for cluster BU.

Info for manual annotations of cluster CU1:

- Start number 98 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 98 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 98 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 98 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:

- Start number 98 was manually annotated 44 times for cluster CV.

Info for manual annotations of cluster DA:

- Start number 98 was manually annotated 4 times for cluster DA.

Info for manual annotations of cluster DB:

- Start number 90 was manually annotated 1 time for cluster DB.
- Start number 95 was manually annotated 17 times for cluster DB.

Info for manual annotations of cluster DI:

- Start number 95 was manually annotated 14 times for cluster DI.
- Start number 99 was manually annotated 1 time for cluster DI.

Info for manual annotations of cluster DL:

- Start number 107 was manually annotated 3 times for cluster DL.

Info for manual annotations of cluster DW:

- Start number 95 was manually annotated 5 times for cluster DW.

Info for manual annotations of cluster E:

- Start number 53 was manually annotated 133 times for cluster E.

Info for manual annotations of cluster EB:

- Start number 83 was manually annotated 1 time for cluster EB.
- Start number 85 was manually annotated 82 times for cluster EB.

Info for manual annotations of cluster EP:

- Start number 103 was manually annotated 8 times for cluster EP.

Info for manual annotations of cluster F5:

- Start number 51 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster FP:

- Start number 59 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster FR:

- Start number 59 was manually annotated 4 times for cluster FR.
- Start number 62 was manually annotated 7 times for cluster FR.

Info for manual annotations of cluster I1:

- Start number 55 was manually annotated 6 times for cluster I1.

Info for manual annotations of cluster I2:

- Start number 55 was manually annotated 3 times for cluster I2.

Info for manual annotations of cluster J:

- Start number 54 was manually annotated 40 times for cluster J.

Info for manual annotations of cluster JN:

- Start number 60 was manually annotated 2 times for cluster JN.

Info for manual annotations of cluster N:

- Start number 53 was manually annotated 46 times for cluster N.

Info for manual annotations of cluster O:

- Start number 58 was manually annotated 32 times for cluster O.

Gene Information:

Gene: 244_16 Start: 9482, Stop: 9817, Start Num: 53

Candidate Starts for 244_16:

(Start: 53 @9482 has 179 MA's), (102, 9563), (176, 9677), (203, 9728), (225, 9740), (243, 9791),

Gene: ABCat_15 Start: 10257, Stop: 10592, Start Num: 53

Candidate Starts for ABCat_15:

(Start: 53 @10257 has 179 MA's), (102, 10338), (115, 10359), (176, 10452), (225, 10515), (243, 10566),

Gene: ATCC29399BC_8 Start: 6098, Stop: 6445, Start Num: 88

Candidate Starts for ATCC29399BC_8:

(56, 6035), (Start: 88 @6098 has 45 MA's), (106, 6128), (108, 6131), (132, 6173), (144, 6203), (152, 6215), (191, 6287), (200, 6308), (222, 6350), (229, 6374), (230, 6377), (236, 6392), (245, 6425),

Gene: ATCC29399BT_8 Start: 6095, Stop: 6442, Start Num: 88

Candidate Starts for ATCC29399BT_8:

(78, 6080), (Start: 88 @6095 has 45 MA's), (106, 6125), (108, 6128), (144, 6200), (152, 6212), (162, 6230), (222, 6347), (229, 6371), (230, 6374), (236, 6389), (243, 6416), (245, 6422),

Gene: AbbeyMikolon_9 Start: 7191, Stop: 7532, Start Num: 97

Candidate Starts for AbbeyMikolon_9:

(Start: 97 @7191 has 4 MA's), (106, 7203), (126, 7233), (166, 7308), (208, 7410), (214, 7425), (220, 7440), (248, 7521),

Gene: Abidatro_10 Start: 7704, Stop: 8066, Start Num: 84

Candidate Starts for Abidatro_10:

(Start: 84 @7704 has 55 MA's), (87, 7707), (Start: 101 @7731 has 1 MA's), (141, 7800), (144, 7809), (167, 7857), (184, 7896), (194, 7914), (201, 7932), (204, 7941), (229, 8001),

Gene: Abigail_9 Start: 7444, Stop: 7773, Start Num: 85

Candidate Starts for Abigail_9:

(Start: 85 @7444 has 166 MA's), (Start: 95 @7459 has 36 MA's), (225, 7696), (241, 7741),

Gene: Adelaide_9 Start: 6873, Stop: 7217, Start Num: 103

Candidate Starts for Adelaide_9:

(18, 6582), (Start: 103 @6873 has 8 MA's), (142, 6939), (161, 6972), (166, 6984), (169, 6990), (171, 7002), (197, 7059), (219, 7122), (235, 7176), (241, 7197), (243, 7203),

Gene: Adnama_17 Start: 9714, Stop: 10049, Start Num: 53

Candidate Starts for Adnama_17:

(Start: 53 @9714 has 179 MA's), (102, 9795), (176, 9909), (203, 9960), (225, 9972), (243, 10023),

Gene: AdoptaAdorbs_9 Start: 7312, Stop: 7650, Start Num: 84

Candidate Starts for AdoptaAdorbs_9:

(12, 7018), (25, 7105), (39, 7189), (66, 7273), (Start: 84 @7312 has 55 MA's), (112, 7357), (129, 7381), (146, 7423), (156, 7438), (184, 7483), (187, 7489), (202, 7522), (225, 7570), (230, 7588),

Gene: Agamotto_13 Start: 10199, Stop: 10531, Start Num: 62

Candidate Starts for Agamotto_13:

(Start: 62 @10199 has 7 MA's),

Gene: Aggie_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Aggie_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Akino08_9 Start: 7563, Stop: 7892, Start Num: 85

Candidate Starts for Akino08_9:

(11, 7266), (Start: 83 @7560 has 1 MA's), (Start: 85 @7563 has 166 MA's), (Start: 95 @7578 has 36 MA's), (209, 7788), (225, 7815), (227, 7824), (238, 7848), (241, 7860),

Gene: Albanese_12 Start: 9846, Stop: 10184, Start Num: 85

Candidate Starts for Albanese_12:

(Start: 85 @9846 has 166 MA's), (160, 9978), (195, 10035), (240, 10143),

Gene: Albedo_9 Start: 7316, Stop: 7645, Start Num: 85

Candidate Starts for Albedo_9:

(22, 7076), (44, 7220), (Start: 85 @7316 has 166 MA's), (Start: 95 @7331 has 36 MA's), (225, 7568), (241, 7613), (243, 7619),

Gene: Albright_9 Start: 7325, Stop: 7654, Start Num: 85

Candidate Starts for Albright_9:

(Start: 85 @7325 has 166 MA's), (Start: 95 @7340 has 36 MA's), (225, 7577), (241, 7622),

Gene: Aledel_8 Start: 6923, Stop: 7261, Start Num: 85

Candidate Starts for Aledel_8:

(Start: 85 @6923 has 166 MA's), (108, 6956), (130, 6995), (169, 7076), (226, 7181), (228, 7190),

Gene: AlexMinion_9 Start: 7338, Stop: 7676, Start Num: 84

Candidate Starts for AlexMinion_9:

(39, 7215), (49, 7263), (Start: 84 @7338 has 55 MA's), (129, 7407), (145, 7446), (146, 7449), (156, 7464), (202, 7548), (225, 7596), (246, 7662),

Gene: Alkhayr_43 Start: 22248, Stop: 22607, Start Num: 58

Candidate Starts for Alkhayr_43:

(Start: 58 @22248 has 33 MA's), (74, 22278), (104, 22329), (111, 22341), (150, 22407), (203, 22515), (228, 22539),

Gene: Amanises_11 Start: 7899, Stop: 8240, Start Num: 84

Candidate Starts for Amanises_11:

(Start: 84 @7899 has 55 MA's), (87, 7902), (112, 7944), (145, 8007), (146, 8010), (156, 8025), (209, 8133), (225, 8160), (241, 8211),

Gene: Amao_16 Start: 9462, Stop: 9797, Start Num: 53

Candidate Starts for Amao_16:

(Start: 53 @9462 has 179 MA's), (102, 9543), (115, 9564), (176, 9657), (225, 9720), (243, 9771),

Gene: Amelia_11 Start: 7903, Stop: 8244, Start Num: 84

Candidate Starts for Amelia_11:

(38, 7771), (49, 7828), (Start: 84 @7903 has 55 MA's), (156, 8029), (167, 8056), (202, 8116), (203, 8119), (209, 8137), (225, 8164), (241, 8215),

Gene: AmericanBeauty_17 Start: 9711, Stop: 10046, Start Num: 53

Candidate Starts for AmericanBeauty_17:

(Start: 53 @9711 has 179 MA's), (102, 9792), (176, 9906), (203, 9957), (225, 9969), (243, 10020),

Gene: AmiCi24_9 Start: 7312, Stop: 7650, Start Num: 84

Candidate Starts for AmiCi24_9:

(12, 7018), (25, 7105), (39, 7189), (66, 7273), (Start: 84 @7312 has 55 MA's), (112, 7357), (129, 7381), (146, 7423), (156, 7438), (184, 7483), (187, 7489), (202, 7522), (225, 7570), (230, 7588),

Gene: Amphitrite_9 Start: 7310, Stop: 7648, Start Num: 84

Candidate Starts for Amphitrite_9:

(12, 7016), (25, 7103), (39, 7187), (66, 7271), (Start: 84 @7310 has 55 MA's), (112, 7355), (129, 7379), (146, 7421), (156, 7436), (184, 7481), (187, 7487), (202, 7520), (225, 7568),

Gene: Andies_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Andies_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Andrew_10 Start: 7691, Stop: 8029, Start Num: 84

Candidate Starts for Andrew_10:

(39, 7568), (42, 7592), (Start: 84 @7691 has 55 MA's), (112, 7736), (144, 7796), (146, 7802), (156, 7817), (184, 7862), (202, 7901), (212, 7931), (225, 7949),

Gene: AnnaLie_10 Start: 7671, Stop: 8000, Start Num: 85

Candidate Starts for AnnaLie_10:

(Start: 85 @7671 has 166 MA's), (Start: 95 @7686 has 36 MA's), (225, 7923), (241, 7968),

Gene: AnnabelLee_11 Start: 7129, Stop: 7464, Start Num: 59

Candidate Starts for AnnabelLee_11:

(Start: 59 @7129 has 6 MA's), (75, 7159), (225, 7381),

Gene: Antrice_10 Start: 7647, Stop: 7985, Start Num: 84

Candidate Starts for Antrice_10:

(38, 7515), (52, 7581), (Start: 84 @7647 has 55 MA's), (112, 7692), (145, 7755), (156, 7773), (167, 7800), (241, 7956),

Gene: AppleCider_12 Start: 9802, Stop: 10140, Start Num: 85

Candidate Starts for AppleCider_12:

(Start: 85 @9802 has 166 MA's),

Gene: Aquarius_8 Start: 6088, Stop: 6435, Start Num: 88

Candidate Starts for Aquarius_8:

(56, 6025), (Start: 88 @6088 has 45 MA's), (106, 6118), (108, 6121), (132, 6163), (144, 6193), (152, 6205), (214, 6337), (222, 6340), (230, 6367), (236, 6382), (245, 6415),

Gene: ArchiDore_10 Start: 7354, Stop: 7677, Start Num: 95

Candidate Starts for ArchiDore_10:

(30, 7177), (Start: 95 @7354 has 36 MA's), (108, 7372), (192, 7516),

Gene: Archimedes_7 Start: 6004, Stop: 6366, Start Num: 98

Candidate Starts for Archimedes_7:

(26, 5794), (Start: 98 @6004 has 59 MA's), (169, 6136), (172, 6151), (177, 6160), (241, 6334),

Gene: Archis_10 Start: 7171, Stop: 7533, Start Num: 98

Candidate Starts for Archis_10:

(46, 7069), (Start: 98 @7171 has 59 MA's), (111, 7195), (128, 7219), (142, 7249), (161, 7282), (169, 7300), (194, 7360), (207, 7399),

Gene: Argent26_17 Start: 9714, Stop: 10049, Start Num: 53

Candidate Starts for Argent26_17:

(Start: 53 @9714 has 179 MA's), (102, 9795), (176, 9909), (203, 9960), (225, 9972), (243, 10023),

Gene: Ariel_24 Start: 14093, Stop: 14437, Start Num: 54

Candidate Starts for Ariel_24:

(Start: 54 @14093 has 40 MA's), (74, 14123), (111, 14189), (179, 14300), (181, 14303), (198, 14327), (241, 14405), (249, 14432),

Gene: Armstrong_8 Start: 7093, Stop: 7425, Start Num: 85

Candidate Starts for Armstrong_8:

(11, 6796), (Start: 85 @7093 has 166 MA's), (94, 7105), (Start: 95 @7108 has 36 MA's), (117, 7144), (130, 7165), (132, 7168), (187, 7267), (225, 7348),

Gene: Arroyo_10 Start: 7795, Stop: 8124, Start Num: 85

Candidate Starts for Arroyo_10:

(Start: 85 @7795 has 166 MA's), (Start: 95 @7810 has 36 MA's), (225, 8047), (241, 8092),

Gene: Ashwin_44 Start: 22246, Stop: 22605, Start Num: 58

Candidate Starts for Ashwin_44:

(Start: 58 @22246 has 33 MA's), (74, 22276), (104, 22327), (111, 22339), (150, 22405), (203, 22513), (228, 22537),

Gene: Asriel_15 Start: 9129, Stop: 9464, Start Num: 53

Candidate Starts for Asriel_15:

(Start: 53 @9129 has 179 MA's), (102, 9210), (115, 9231), (176, 9324), (225, 9387), (243, 9438),

Gene: Atlantica_9 Start: 7312, Stop: 7650, Start Num: 84

Candidate Starts for Atlantica_9:

(12, 7018), (25, 7105), (39, 7189), (66, 7273), (Start: 84 @7312 has 55 MA's), (112, 7357), (129, 7381), (146, 7423), (156, 7438), (184, 7483), (187, 7489), (202, 7522), (225, 7570), (230, 7588),

Gene: Attacne_8 Start: 6099, Stop: 6446, Start Num: 88

Candidate Starts for Attacne_8:

(56, 6036), (Start: 88 @6099 has 45 MA's), (106, 6129), (108, 6132), (132, 6174), (144, 6204), (152, 6216), (162, 6234), (191, 6288), (200, 6309), (222, 6351), (230, 6378), (236, 6393), (245, 6426),

Gene: Audell_14 Start: 10469, Stop: 10801, Start Num: 62

Candidate Starts for Audell_14:

(Start: 62 @10469 has 7 MA's), (188, 10673),

Gene: AustinPowers_8 Start: 6924, Stop: 7262, Start Num: 85

Candidate Starts for AustinPowers_8:

(Start: 85 @6924 has 166 MA's), (108, 6957), (130, 6996), (169, 7077), (226, 7182), (228, 7191),

Gene: AvGardian_9 Start: 7373, Stop: 7702, Start Num: 85

Candidate Starts for AvGardian_9:

(Start: 85 @7373 has 166 MA's), (Start: 95 @7388 has 36 MA's), (143, 7472), (208, 7595), (225, 7625), (238, 7658), (241, 7670),

Gene: Avocadoman_9 Start: 7383, Stop: 7712, Start Num: 85

Candidate Starts for Avocadoman_9:

(Start: 85 @7383 has 166 MA's), (Start: 95 @7398 has 36 MA's), (225, 7635), (241, 7680),

Gene: AylexOG_10 Start: 7667, Stop: 7996, Start Num: 85

Candidate Starts for AylexOG_10:

(22, 7427), (44, 7571), (Start: 85 @7667 has 166 MA's), (Start: 95 @7682 has 36 MA's), (143, 7766), (144, 7769), (208, 7889), (225, 7919), (227, 7928), (241, 7964),

Gene: Ayotoya_13 Start: 8911, Stop: 9231, Start Num: 95

Candidate Starts for Ayotoya_13:

(7, 8566), (80, 8884), (Start: 95 @8911 has 36 MA's), (108, 8929), (140, 8986), (159, 9019), (192, 9073), (195, 9079), (197, 9085), (203, 9103), (216, 9127), (241, 9202),

Gene: Azaz_9 Start: 7363, Stop: 7701, Start Num: 84

Candidate Starts for Azaz_9:

(39, 7240), (Start: 84 @7363 has 55 MA's), (112, 7408), (129, 7432), (146, 7474), (156, 7489), (184, 7534), (187, 7540), (202, 7573), (225, 7621), (230, 7639),

Gene: Azula_9 Start: 6835, Stop: 7194, Start Num: 98

Candidate Starts for Azula_9:

(9, 6499), (Start: 98 @6835 has 59 MA's), (111, 6859), (123, 6877), (161, 6943), (169, 6961), (194, 7021),

Gene: BAKA_23 Start: 16200, Stop: 16544, Start Num: 54

Candidate Starts for BAKA_23:

(Start: 54 @16200 has 40 MA's), (74, 16230), (141, 16344), (179, 16407), (181, 16410),

Gene: BAjuniper_9 Start: 7266, Stop: 7598, Start Num: 85

Candidate Starts for BAjuniper_9:

(11, 6969), (22, 7026), (Start: 85 @7266 has 166 MA's), (Start: 95 @7281 has 36 MA's), (117, 7314), (130, 7335), (201, 7470),

Gene: BBQValindra_9 Start: 6868, Stop: 7203, Start Num: 95
Candidate Starts for BBQValindra_9:
(Start: 95 @6868 has 36 MA's), (140, 6946), (199, 7051), (208, 7078),

Gene: BFK20_ORF9 Start: 6860, Stop: 7216, Start Num: 96
Candidate Starts for BFK20_ORF9:
(92, 6854), (96, 6860), (113, 6890), (116, 6893), (127, 6908), (164, 6977), (187, 7034), (197, 7049),
(226, 7130), (241, 7184), (245, 7196), (247, 7202),

Gene: BabeRuth_9 Start: 6479, Stop: 6823, Start Num: 53
Candidate Starts for BabeRuth_9:
(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: BaboJay_15 Start: 9793, Stop: 10128, Start Num: 53
Candidate Starts for BaboJay_15:
(Start: 53 @9793 has 179 MA's), (102, 9874), (176, 9988), (203, 10039), (225, 10051), (243, 10102),

Gene: Babsiella_10 Start: 7526, Stop: 7921, Start Num: 55
Candidate Starts for Babsiella_10:
(10, 7277), (37, 7454), (Start: 55 @7526 has 9 MA's), (74, 7562), (111, 7625), (115, 7631), (150, 7691),
(179, 7736), (229, 7853), (240, 7880), (241, 7889), (244, 7898),

Gene: Babushka_9 Start: 7360, Stop: 7698, Start Num: 84
Candidate Starts for Babushka_9:
(39, 7237), (Start: 84 @7360 has 55 MA's), (112, 7405), (129, 7429), (146, 7471), (156, 7486), (184, 7531), (187, 7537), (202, 7570), (225, 7618), (230, 7636),

Gene: BabyDaisy_10 Start: 7544, Stop: 7873, Start Num: 85
Candidate Starts for BabyDaisy_10:
(Start: 85 @7544 has 166 MA's), (Start: 95 @7559 has 36 MA's), (208, 7766), (225, 7796), (238, 7829),
(241, 7841),

Gene: BabyYoda_9 Start: 7566, Stop: 7895, Start Num: 85
Candidate Starts for BabyYoda_9:
(Start: 83 @7563 has 1 MA's), (Start: 85 @7566 has 166 MA's), (Start: 95 @7581 has 36 MA's), (208, 7788), (209, 7791), (225, 7818), (241, 7863),

Gene: Bachaco_9 Start: 7457, Stop: 7786, Start Num: 85
Candidate Starts for Bachaco_9:
(Start: 83 @7454 has 1 MA's), (Start: 85 @7457 has 166 MA's), (Start: 95 @7472 has 36 MA's), (117, 7505), (208, 7679), (225, 7709), (241, 7754), (247, 7772),

Gene: BackstagePass_9 Start: 6845, Stop: 7180, Start Num: 95
Candidate Starts for BackstagePass_9:
(Start: 95 @6845 has 36 MA's), (140, 6923), (195, 7016), (199, 7028), (208, 7055),

Gene: BadStone_15 Start: 10257, Stop: 10592, Start Num: 53
Candidate Starts for BadStone_15:
(Start: 53 @10257 has 179 MA's), (102, 10338), (115, 10359), (176, 10452), (225, 10515), (243, 10566),

Gene: BadWillHunting_11 Start: 7903, Stop: 8244, Start Num: 84
Candidate Starts for BadWillHunting_11:
(38, 7771), (49, 7828), (Start: 84 @7903 has 55 MA's), (156, 8029), (167, 8056), (202, 8116), (203, 8119), (209, 8137), (225, 8164), (241, 8215),

Gene: Bagrid_24 Start: 15989, Stop: 16333, Start Num: 54
Candidate Starts for Bagrid_24:
(Start: 54 @15989 has 40 MA's), (74, 16019), (141, 16133), (179, 16196), (181, 16199),

Gene: Balomoji_15 Start: 9991, Stop: 10326, Start Num: 53
Candidate Starts for Balomoji_15:
(Start: 53 @9991 has 179 MA's), (102, 10072), (115, 10093), (176, 10186), (225, 10249), (243, 10300),

Gene: Banquo_17 Start: 10497, Stop: 10856, Start Num: 98
Candidate Starts for Banquo_17:
(Start: 98 @10497 has 59 MA's), (118, 10530), (128, 10545), (157, 10602), (166, 10623), (184, 10671), (186, 10674), (203, 10710), (223, 10761), (224, 10764), (225, 10767), (234, 10800), (244, 10833),

Gene: Barbarian_15 Start: 9129, Stop: 9464, Start Num: 53
Candidate Starts for Barbarian_15:
(Start: 53 @9129 has 179 MA's), (102, 9210), (115, 9231), (176, 9324), (225, 9387), (243, 9438),

Gene: Barco_9 Start: 6959, Stop: 7321, Start Num: 98
Candidate Starts for Barco_9:
(9, 6623), (81, 6932), (Start: 98 @6959 has 59 MA's), (111, 6983), (123, 7001), (128, 7007), (142, 7037), (169, 7088), (194, 7148),

Gene: Basilisk_10 Start: 8028, Stop: 8390, Start Num: 84
Candidate Starts for Basilisk_10:
(Start: 84 @8028 has 55 MA's), (Start: 101 @8055 has 1 MA's), (141, 8124), (144, 8133), (170, 8190), (184, 8220), (194, 8238), (201, 8256), (204, 8265), (229, 8325),

Gene: Bask21_15 Start: 8924, Stop: 9259, Start Num: 53
Candidate Starts for Bask21_15:
(Start: 53 @8924 has 179 MA's), (102, 9005), (115, 9026), (176, 9119), (225, 9182), (243, 9233),

Gene: Becksu_15 Start: 9901, Stop: 10236, Start Num: 53
Candidate Starts for Becksu_15:
(Start: 53 @9901 has 179 MA's), (102, 9982), (176, 10096), (203, 10147), (225, 10159), (243, 10210),

Gene: Bedetta_11 Start: 7903, Stop: 8244, Start Num: 84
Candidate Starts for Bedetta_11:
(38, 7771), (49, 7828), (Start: 84 @7903 has 55 MA's), (156, 8029), (167, 8056), (202, 8116), (203, 8119), (209, 8137), (225, 8164), (241, 8215),

Gene: Beem_26 Start: 16555, Stop: 16899, Start Num: 54
Candidate Starts for Beem_26:
(Start: 54 @16555 has 40 MA's), (74, 16585), (141, 16699), (179, 16762), (181, 16765),

Gene: Beethoven_12 Start: 9762, Stop: 10100, Start Num: 85
Candidate Starts for Beethoven_12:
(Start: 85 @9762 has 166 MA's), (194, 9948), (228, 10029), (240, 10059),

Gene: Begonia_9 Start: 6962, Stop: 7324, Start Num: 98

Candidate Starts for Begonia_9:

(9, 6626), (81, 6935), (Start: 98 @6962 has 59 MA's), (111, 6986), (123, 7004), (128, 7010), (142, 7040), (161, 7073), (169, 7091), (194, 7151),

Gene: BelmontSKP_10 Start: 7671, Stop: 8000, Start Num: 85

Candidate Starts for BelmontSKP_10:

(Start: 85 @7671 has 166 MA's), (Start: 95 @7686 has 36 MA's), (225, 7923), (241, 7968),

Gene: Bench_17 Start: 9587, Stop: 9922, Start Num: 53

Candidate Starts for Bench_17:

(Start: 53 @9587 has 179 MA's), (102, 9668), (176, 9782), (203, 9833), (225, 9845), (243, 9896),

Gene: Bengal_9 Start: 7325, Stop: 7654, Start Num: 85

Candidate Starts for Bengal_9:

(Start: 85 @7325 has 166 MA's), (Start: 95 @7340 has 36 MA's), (225, 7577), (241, 7622),

Gene: Bennie_8 Start: 6907, Stop: 7245, Start Num: 85

Candidate Starts for Bennie_8:

(Start: 85 @6907 has 166 MA's), (108, 6940), (240, 7204),

Gene: Bernstein_8 Start: 7153, Stop: 7485, Start Num: 85

Candidate Starts for Bernstein_8:

(11, 6856), (Start: 85 @7153 has 166 MA's), (94, 7165), (Start: 95 @7168 has 36 MA's), (117, 7204), (130, 7225), (132, 7228), (187, 7327), (225, 7408),

Gene: BetterKatz_13 Start: 8879, Stop: 9199, Start Num: 95

Candidate Starts for BetterKatz_13:

(7, 8534), (80, 8852), (Start: 95 @8879 has 36 MA's), (Start: 99 @8882 has 1 MA's), (108, 8897), (140, 8954), (159, 8987), (192, 9041), (195, 9047), (197, 9053), (203, 9071), (216, 9095), (241, 9170),

Gene: Bibble12_11 Start: 7906, Stop: 8247, Start Num: 84

Candidate Starts for Bibble12_11:

(38, 7774), (49, 7831), (Start: 84 @7906 has 55 MA's), (156, 8032), (167, 8059), (202, 8119), (203, 8122), (209, 8140), (225, 8167), (241, 8218),

Gene: BigBubba_15 Start: 8970, Stop: 9305, Start Num: 53

Candidate Starts for BigBubba_15:

(Start: 53 @8970 has 179 MA's), (102, 9051), (176, 9165), (203, 9216), (225, 9228), (243, 9279),

Gene: BigMack_8 Start: 6907, Stop: 7245, Start Num: 85

Candidate Starts for BigMack_8:

(Start: 85 @6907 has 166 MA's), (89, 6910), (108, 6940), (240, 7204),

Gene: BilboSwaggins_16 Start: 10258, Stop: 10593, Start Num: 53

Candidate Starts for BilboSwaggins_16:

(Start: 53 @10258 has 179 MA's), (102, 10339), (115, 10360), (176, 10453), (225, 10516), (243, 10567),

Gene: Bimmel_53 Start: 30684, Stop: 31001, Start Num: 65

Candidate Starts for Bimmel_53:

(Start: 61 @30675 has 1 MA's), (Start: 65 @30684 has 2 MA's), (110, 30762), (165, 30855), (198, 30897),

Gene: Blessica_44 Start: 22649, Stop: 23008, Start Num: 58

Candidate Starts for Blessica_44:

(Start: 58 @22649 has 33 MA's), (74, 22679), (104, 22730), (111, 22742), (150, 22808), (203, 22916), (228, 22940),

Gene: BlingBling_9 Start: 6959, Stop: 7321, Start Num: 98

Candidate Starts for BlingBling_9:

(9, 6623), (81, 6932), (Start: 98 @6959 has 59 MA's), (111, 6983), (123, 7001), (128, 7007), (142, 7037), (169, 7088), (194, 7148),

Gene: Blino_9 Start: 6859, Stop: 7221, Start Num: 98

Candidate Starts for Blino_9:

(9, 6523), (Start: 98 @6859 has 59 MA's), (111, 6883), (128, 6907), (142, 6937), (161, 6970), (169, 6988), (194, 7048),

Gene: Blueberry_9 Start: 6835, Stop: 7194, Start Num: 98

Candidate Starts for Blueberry_9:

(9, 6499), (Start: 98 @6835 has 59 MA's), (111, 6859), (123, 6877), (161, 6943), (169, 6961), (194, 7021),

Gene: Bluvara_10 Start: 7527, Stop: 7919, Start Num: 55

Candidate Starts for Bluvara_10:

(10, 7278), (37, 7455), (Start: 55 @7527 has 9 MA's), (74, 7563), (111, 7626), (115, 7632), (150, 7692), (179, 7737), (229, 7854), (240, 7878), (241, 7887), (244, 7896),

Gene: Bobby_27 Start: 16508, Stop: 16852, Start Num: 54

Candidate Starts for Bobby_27:

(Start: 54 @16508 has 40 MA's), (74, 16538), (141, 16652), (179, 16715), (181, 16718),

Gene: Bock_13 Start: 8629, Stop: 8949, Start Num: 95

Candidate Starts for Bock_13:

(7, 8284), (30, 8464), (80, 8602), (Start: 95 @8629 has 36 MA's), (Start: 99 @8632 has 1 MA's), (108, 8647), (140, 8704), (159, 8737), (192, 8791), (195, 8797), (197, 8803), (203, 8821), (216, 8845), (241, 8920),

Gene: Bodacious_8 Start: 6905, Stop: 7243, Start Num: 85

Candidate Starts for Bodacious_8:

(Start: 85 @6905 has 166 MA's), (108, 6938), (240, 7202),

Gene: Bogg_16 Start: 9143, Stop: 9478, Start Num: 53

Candidate Starts for Bogg_16:

(Start: 53 @9143 has 179 MA's), (102, 9224), (176, 9338), (203, 9389), (225, 9401), (243, 9452),

Gene: Bombitas_23 Start: 15865, Stop: 16209, Start Num: 54

Candidate Starts for Bombitas_23:

(36, 15799), (Start: 54 @15865 has 40 MA's), (74, 15895), (141, 16009), (179, 16072), (181, 16075),

Gene: Bora_40 Start: 21699, Stop: 22058, Start Num: 58

Candidate Starts for Bora_40:

(Start: 58 @21699 has 33 MA's), (74, 21729), (104, 21780), (111, 21792), (150, 21858), (203, 21966), (228, 21990),

Gene: Bosection6_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Bosection6_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Bowser_9 Start: 6866, Stop: 7201, Start Num: 95

Candidate Starts for Bowser_9:

(Start: 95 @6866 has 36 MA's), (140, 6944), (195, 7037), (208, 7076),

Gene: Brahms_8 Start: 7093, Stop: 7425, Start Num: 85

Candidate Starts for Brahms_8:

(11, 6796), (Start: 85 @7093 has 166 MA's), (94, 7105), (Start: 95 @7108 has 36 MA's), (117, 7144), (130, 7165), (132, 7168), (187, 7267), (225, 7348),

Gene: Bran_9 Start: 6878, Stop: 7222, Start Num: 103

Candidate Starts for Bran_9:

(18, 6587), (Start: 103 @6878 has 8 MA's), (142, 6944), (161, 6977), (166, 6989), (169, 6995), (171, 7007), (197, 7064), (219, 7127), (235, 7181), (241, 7202), (243, 7208),

Gene: Brewer_15 Start: 9969, Stop: 10304, Start Num: 53

Candidate Starts for Brewer_15:

(Start: 53 @9969 has 179 MA's), (102, 10050), (176, 10164), (203, 10215), (225, 10227), (243, 10278),

Gene: BronnyJames_18 Start: 12725, Stop: 13069, Start Num: 54

Candidate Starts for BronnyJames_18:

(Start: 54 @12725 has 40 MA's), (74, 12755), (111, 12821), (179, 12932), (181, 12935), (198, 12959), (241, 13037), (249, 13064),

Gene: BrotherBLo_12 Start: 9769, Stop: 10107, Start Num: 85

Candidate Starts for BrotherBLo_12:

(Start: 85 @9769 has 166 MA's), (160, 9901), (194, 9955), (228, 10036), (240, 10066),

Gene: BruceLethal_8 Start: 6088, Stop: 6435, Start Num: 88

Candidate Starts for BruceLethal_8:

(35, 5941), (36, 5944), (45, 5992), (56, 6025), (73, 6061), (76, 6064), (Start: 88 @6088 has 45 MA's), (106, 6118), (108, 6121), (125, 6151), (144, 6193), (162, 6223), (191, 6277), (200, 6298), (214, 6337), (222, 6340), (229, 6364), (230, 6367), (236, 6382), (245, 6415),

Gene: Bruin_15 Start: 9765, Stop: 10100, Start Num: 53

Candidate Starts for Bruin_15:

(Start: 53 @9765 has 179 MA's), (102, 9846), (115, 9867), (176, 9960), (225, 10023), (243, 10074),

Gene: Brujita_10 Start: 7530, Stop: 7922, Start Num: 55

Candidate Starts for Brujita_10:

(37, 7458), (Start: 55 @7530 has 9 MA's), (74, 7566), (111, 7629), (115, 7635), (150, 7695), (179, 7740), (229, 7857), (240, 7881), (241, 7890), (244, 7899),

Gene: Brylie_13 Start: 8626, Stop: 8946, Start Num: 95

Candidate Starts for Brylie_13:

(7, 8281), (80, 8599), (Start: 95 @8626 has 36 MA's), (108, 8644), (140, 8701), (159, 8734), (192, 8788), (195, 8794), (197, 8800), (203, 8818), (216, 8842), (241, 8917),

Gene: Brynnie_10 Start: 7840, Stop: 8202, Start Num: 84

Candidate Starts for Brynnie_10:

(38, 7708), (Start: 84 @7840 has 55 MA's), (Start: 101 @7867 has 1 MA's), (141, 7936), (144, 7945), (170, 8002), (184, 8032), (194, 8050), (201, 8068), (204, 8077), (229, 8137),

Gene: BubbaBear_9 Start: 7316, Stop: 7645, Start Num: 85

Candidate Starts for BubbaBear_9:

(22, 7076), (44, 7220), (Start: 85 @7316 has 166 MA's), (Start: 95 @7331 has 36 MA's), (225, 7568), (241, 7613), (243, 7619),

Gene: Buck_15 Start: 10214, Stop: 10549, Start Num: 53

Candidate Starts for Buck_15:

(Start: 53 @10214 has 179 MA's), (102, 10295), (115, 10316), (176, 10409), (225, 10472), (243, 10523),

Gene: BugsBunny_13 Start: 9331, Stop: 9666, Start Num: 53

Candidate Starts for BugsBunny_13:

(Start: 53 @9331 has 179 MA's), (102, 9412), (115, 9433), (176, 9526), (225, 9589), (243, 9640),

Gene: Buldak_9 Start: 7601, Stop: 7930, Start Num: 85

Candidate Starts for Buldak_9:

(11, 7304), (Start: 85 @7601 has 166 MA's), (Start: 95 @7616 has 36 MA's), (108, 7631), (117, 7649), (121, 7655), (134, 7676), (187, 7772), (225, 7853), (238, 7886),

Gene: Bunker_9 Start: 6868, Stop: 7203, Start Num: 95

Candidate Starts for Bunker_9:

(Start: 95 @6868 has 36 MA's), (140, 6946), (199, 7051), (208, 7078),

Gene: Burritobowl_9 Start: 7352, Stop: 7681, Start Num: 85

Candidate Starts for Burritobowl_9:

(Start: 85 @7352 has 166 MA's), (Start: 95 @7367 has 36 MA's), (225, 7604), (241, 7649),

Gene: Butters_9 Start: 6458, Stop: 6799, Start Num: 53

Candidate Starts for Butters_9:

(Start: 53 @6458 has 179 MA's), (74, 6488), (147, 6611), (179, 6662), (233, 6746), (241, 6767),

Gene: Cactus_17 Start: 9470, Stop: 9805, Start Num: 53

Candidate Starts for Cactus_17:

(Start: 53 @9470 has 179 MA's), (102, 9551), (115, 9572), (176, 9665), (225, 9728), (243, 9779),

Gene: CallieOMalley_12 Start: 9802, Stop: 10140, Start Num: 85

Candidate Starts for CallieOMalley_12:

(Start: 85 @9802 has 166 MA's), (108, 9835),

Gene: Camara_9 Start: 7313, Stop: 7651, Start Num: 84

Candidate Starts for Camara_9:

(12, 7019), (25, 7106), (39, 7190), (66, 7274), (Start: 84 @7313 has 55 MA's), (112, 7358), (129, 7382), (146, 7424), (156, 7439), (184, 7484), (187, 7490), (202, 7523), (225, 7571),

Gene: CanFranMach_9 Start: 7340, Stop: 7669, Start Num: 85

Candidate Starts for CanFranMach_9:

(Start: 85 @7340 has 166 MA's), (Start: 95 @7355 has 36 MA's), (119, 7391), (130, 7409), (208, 7562), (225, 7592), (241, 7637),

Gene: Canowicakte_12 Start: 9837, Stop: 10175, Start Num: 85

Candidate Starts for Canowicakte_12:

(Start: 85 @9837 has 166 MA's), (108, 9870),

Gene: CaptainKirk2_9 Start: 6959, Stop: 7321, Start Num: 98

Candidate Starts for CaptainKirk2_9:

(9, 6623), (81, 6932), (Start: 98 @6959 has 59 MA's), (111, 6983), (123, 7001), (128, 7007), (142, 7037), (169, 7088), (194, 7148),

Gene: Carcharodon_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Carcharodon_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: CardboardBox_11 Start: 7129, Stop: 7464, Start Num: 59

Candidate Starts for CardboardBox_11:

(Start: 59 @7129 has 6 MA's), (75, 7159), (225, 7381),

Gene: CarolAnn_9 Start: 6858, Stop: 7220, Start Num: 98

Candidate Starts for CarolAnn_9:

(9, 6522), (Start: 98 @6858 has 59 MA's), (111, 6882), (128, 6906), (142, 6936), (161, 6969), (169, 6987), (194, 7047),

Gene: Carpal_12 Start: 9769, Stop: 10107, Start Num: 85

Candidate Starts for Carpal_12:

(Start: 85 @9769 has 166 MA's), (194, 9955), (228, 10036), (240, 10066),

Gene: Cashington_9 Start: 7342, Stop: 7671, Start Num: 85

Candidate Starts for Cashington_9:

(Start: 85 @7342 has 166 MA's), (Start: 95 @7357 has 36 MA's), (225, 7594), (241, 7639),

Gene: Catdawg_43 Start: 22338, Stop: 22697, Start Num: 58

Candidate Starts for Catdawg_43:

(Start: 58 @22338 has 33 MA's), (74, 22368), (104, 22419), (111, 22431), (150, 22497), (203, 22605), (228, 22629),

Gene: Catfish_12 Start: 8464, Stop: 8817, Start Num: 98

Candidate Starts for Catfish_12:

(Start: 98 @8464 has 59 MA's), (113, 8488), (118, 8494), (153, 8557), (166, 8584), (196, 8650), (203, 8671), (205, 8677),

Gene: Celaena_9 Start: 7394, Stop: 7723, Start Num: 85

Candidate Starts for Celaena_9:

(Start: 83 @7391 has 1 MA's), (Start: 85 @7394 has 166 MA's), (Start: 95 @7409 has 36 MA's), (117, 7442), (208, 7616), (225, 7646), (241, 7691), (247, 7709),

Gene: ChamoyPickle_11 Start: 7129, Stop: 7464, Start Num: 59

Candidate Starts for ChamoyPickle_11:

(Start: 59 @7129 has 6 MA's), (75, 7159), (225, 7381),

Gene: Charlie_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Charlie_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Che9c_9 Start: 7131, Stop: 7526, Start Num: 55

Candidate Starts for Che9c_9:

(37, 7056), (Start: 55 @7131 has 9 MA's), (70, 7158), (72, 7164), (74, 7167), (120, 7245), (150, 7296), (179, 7341), (198, 7368), (229, 7458), (240, 7485), (241, 7494), (244, 7503),

Gene: CheeseSpider_9 Start: 6835, Stop: 7197, Start Num: 98

Candidate Starts for CheeseSpider_9:

(Start: 98 @6835 has 59 MA's), (111, 6859), (128, 6883), (142, 6913), (161, 6946), (169, 6964), (194, 7024),

Gene: ChewChew_8 Start: 6904, Stop: 7242, Start Num: 85

Candidate Starts for ChewChew_8:

(Start: 85 @6904 has 166 MA's), (108, 6937), (240, 7201),

Gene: Chewbacca_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Chewbacca_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Chickaboom_9 Start: 7385, Stop: 7747, Start Num: 84

Candidate Starts for Chickaboom_9:

(38, 7253), (Start: 84 @7385 has 55 MA's), (Start: 101 @7412 has 1 MA's), (141, 7481), (144, 7490), (170, 7547), (184, 7577), (194, 7595), (201, 7613), (204, 7622), (229, 7682),

Gene: Chicken_10 Start: 7688, Stop: 8029, Start Num: 84

Candidate Starts for Chicken_10:

(38, 7556), (49, 7613), (82, 7685), (Start: 84 @7688 has 55 MA's), (87, 7691), (112, 7733), (145, 7796), (146, 7799), (156, 7814), (209, 7922), (225, 7949), (229, 7964), (230, 7967), (241, 8000),

Gene: ChiliPepper_9 Start: 7553, Stop: 7882, Start Num: 85

Candidate Starts for ChiliPepper_9:

(11, 7256), (44, 7457), (Start: 83 @7550 has 1 MA's), (Start: 85 @7553 has 166 MA's), (Start: 95 @7568 has 36 MA's), (132, 7625), (140, 7643), (167, 7700), (208, 7775), (225, 7805), (241, 7850),

Gene: Chipko_10 Start: 7266, Stop: 7601, Start Num: 95

Candidate Starts for Chipko_10:

(Start: 95 @7266 has 36 MA's), (154, 7368), (187, 7431), (192, 7440), (197, 7452), (203, 7470), (215, 7491),

Gene: ChipsNGuac_11 Start: 7129, Stop: 7464, Start Num: 59

Candidate Starts for ChipsNGuac_11:

(Start: 59 @7129 has 6 MA's), (75, 7159), (225, 7381),

Gene: Cholula_12 Start: 9814, Stop: 10152, Start Num: 85

Candidate Starts for Cholula_12:

(Start: 85 @9814 has 166 MA's), (194, 10000), (228, 10081), (240, 10111),

Gene: Chop_13 Start: 8659, Stop: 8979, Start Num: 95

Candidate Starts for Chop_13:

(7, 8314), (80, 8632), (Start: 95 @8659 has 36 MA's), (108, 8677), (140, 8734), (159, 8767), (192, 8821), (195, 8827), (197, 8833), (203, 8851), (216, 8875), (241, 8950),

Gene: ChosenOne_14 Start: 8934, Stop: 9269, Start Num: 53

Candidate Starts for ChosenOne_14:

(Start: 53 @8934 has 179 MA's), (102, 9015), (176, 9129), (203, 9180), (225, 9192), (243, 9243),

Gene: ChotaBhai_15 Start: 8970, Stop: 9305, Start Num: 53

Candidate Starts for ChotaBhai_15:

(Start: 53 @8970 has 179 MA's), (102, 9051), (176, 9165), (203, 9216), (225, 9228), (243, 9279),

Gene: Chridison_8 Start: 6924, Stop: 7262, Start Num: 85

Candidate Starts for Chridison_8:

(Start: 85 @6924 has 166 MA's), (108, 6957), (130, 6996), (169, 7077), (226, 7182), (228, 7191),

Gene: Christian_8 Start: 6905, Stop: 7243, Start Num: 85

Candidate Starts for Christian_8:

(Start: 85 @6905 has 166 MA's), (108, 6938), (240, 7202),

Gene: Cjw1_15 Start: 10484, Stop: 10819, Start Num: 53

Candidate Starts for Cjw1_15:

(Start: 53 @10484 has 179 MA's), (102, 10565), (176, 10679), (203, 10730), (225, 10742), (243, 10793),

Gene: Clayda5_8 Start: 7093, Stop: 7425, Start Num: 85

Candidate Starts for Clayda5_8:

(11, 6796), (Start: 85 @7093 has 166 MA's), (94, 7105), (Start: 95 @7108 has 36 MA's), (117, 7144), (130, 7165), (132, 7168), (187, 7267), (225, 7348),

Gene: CliffHanger_10 Start: 7300, Stop: 7629, Start Num: 85

Candidate Starts for CliffHanger_10:

(Start: 85 @7300 has 166 MA's), (Start: 95 @7315 has 36 MA's), (130, 7369), (225, 7552), (242, 7600),

Gene: Coltrane_8 Start: 7093, Stop: 7425, Start Num: 85

Candidate Starts for Coltrane_8:

(11, 6796), (Start: 85 @7093 has 166 MA's), (94, 7105), (Start: 95 @7108 has 36 MA's), (117, 7144), (130, 7165), (132, 7168), (187, 7267), (225, 7348),

Gene: Colusalem_10 Start: 7742, Stop: 8083, Start Num: 84

Candidate Starts for Colusalem_10:

(38, 7610), (49, 7667), (Start: 84 @7742 has 55 MA's), (156, 7868), (167, 7895), (202, 7955), (203, 7958), (209, 7976), (225, 8003), (241, 8054),

Gene: Command613_17 Start: 10526, Stop: 10861, Start Num: 53

Candidate Starts for Command613_17:

(Start: 53 @10526 has 179 MA's), (102, 10607), (115, 10628), (176, 10721), (225, 10784), (243, 10835),

Gene: Constella_21 Start: 15378, Stop: 15722, Start Num: 54

Candidate Starts for Constella_21:

(Start: 54 @15378 has 40 MA's), (74, 15408), (141, 15522), (179, 15585), (181, 15588),

Gene: Contagion_15 Start: 9765, Stop: 10100, Start Num: 53

Candidate Starts for Contagion_15:

(Start: 53 @9765 has 179 MA's), (102, 9846), (115, 9867), (176, 9960), (225, 10023), (243, 10074),

Gene: Cookies_16 Start: 10130, Stop: 10465, Start Num: 53

Candidate Starts for Cookies_16:

(Start: 53 @10130 has 179 MA's), (102, 10211), (115, 10232), (176, 10325), (225, 10388), (243, 10439),

Gene: Coral_10 Start: 7742, Stop: 8083, Start Num: 84

Candidate Starts for Coral_10:

(38, 7610), (49, 7667), (Start: 84 @7742 has 55 MA's), (156, 7868), (167, 7895), (202, 7955), (203, 7958), (209, 7976), (225, 8003), (241, 8054),

Gene: Coriander_10 Start: 7265, Stop: 7600, Start Num: 95

Candidate Starts for Coriander_10:

(Start: 95 @7265 has 36 MA's), (154, 7367), (187, 7430), (192, 7439), (197, 7451), (203, 7469), (215, 7490), (245, 7583),

Gene: Corndog_45 Start: 22796, Stop: 23155, Start Num: 58

Candidate Starts for Corndog_45:

(Start: 58 @22796 has 33 MA's), (74, 22826), (104, 22877), (111, 22889), (150, 22955), (203, 23063), (228, 23087),

Gene: Cornie_9 Start: 6660, Stop: 7010, Start Num: 51

Candidate Starts for Cornie_9:

(47, 6645), (50, 6657), (Start: 51 @6660 has 1 MA's), (Start: 55 @6666 has 9 MA's), (74, 6702), (96, 6741), (147, 6822), (150, 6828), (168, 6864), (201, 6906), (243, 6984),

Gene: Cota_8 Start: 6106, Stop: 6453, Start Num: 88

Candidate Starts for Cota_8:

(45, 6010), (56, 6043), (Start: 88 @6106 has 45 MA's), (106, 6136), (108, 6139), (144, 6211), (152, 6223), (191, 6295), (200, 6316), (222, 6358), (229, 6382), (230, 6385), (236, 6400), (245, 6433),

Gene: Cote_11 Start: 7903, Stop: 8244, Start Num: 84

Candidate Starts for Cote_11:

(38, 7771), (49, 7828), (Start: 84 @7903 has 55 MA's), (156, 8029), (167, 8056), (202, 8116), (203, 8119), (209, 8137), (225, 8164), (241, 8215),

Gene: Courthouse_24 Start: 14495, Stop: 14839, Start Num: 54

Candidate Starts for Courthouse_24:

(Start: 54 @14495 has 40 MA's), (74, 14525), (111, 14591), (179, 14702), (181, 14705), (198, 14729), (241, 14807), (249, 14834),

Gene: CristinaYang_8 Start: 6905, Stop: 7243, Start Num: 85

Candidate Starts for CristinaYang_8:

(Start: 85 @6905 has 166 MA's), (108, 6938), (240, 7202),

Gene: CroZenni_9 Start: 7325, Stop: 7654, Start Num: 85

Candidate Starts for CroZenni_9:

(11, 7028), (22, 7085), (44, 7229), (Start: 85 @7325 has 166 MA's), (Start: 95 @7340 has 36 MA's), (225, 7577), (241, 7622),

Gene: CrystalP_16 Start: 10258, Stop: 10593, Start Num: 53

Candidate Starts for CrystalP_16:

(Start: 53 @10258 has 179 MA's), (102, 10339), (115, 10360), (176, 10453), (225, 10516), (243, 10567),

Gene: Cubone_8 Start: 6462, Stop: 6806, Start Num: 53

Candidate Starts for Cubone_8:

(32, 6384), (Start: 53 @6462 has 179 MA's), (74, 6495), (115, 6564), (147, 6618), (157, 6633), (158, 6636), (179, 6669), (233, 6753), (241, 6774),

Gene: CupcakePrincess_9 Start: 7302, Stop: 7631, Start Num: 85

Candidate Starts for CupcakePrincess_9:

(22, 7062), (44, 7206), (Start: 85 @7302 has 166 MA's), (Start: 95 @7317 has 36 MA's), (143, 7401), (225, 7554), (241, 7599), (243, 7605),

Gene: Cygnet_10 Start: 7689, Stop: 8027, Start Num: 84

Candidate Starts for Cygnet_10:

(38, 7557), (52, 7623), (Start: 84 @7689 has 55 MA's), (105, 7722), (112, 7734), (145, 7797), (156, 7815), (225, 7947), (241, 7998),

Gene: Czyszczonek_16 Start: 9469, Stop: 9804, Start Num: 53

Candidate Starts for Czyszczonek_16:

(Start: 53 @9469 has 179 MA's), (102, 9550), (176, 9664), (203, 9715), (225, 9727), (243, 9778),

Gene: Daiboju_8 Start: 6925, Stop: 7263, Start Num: 85

Candidate Starts for Daiboju_8:

(Start: 85 @6925 has 166 MA's), (130, 6997), (192, 7108), (226, 7183), (228, 7192), (245, 7243),

Gene: Daikon_14 Start: 9992, Stop: 10327, Start Num: 53

Candidate Starts for Daikon_14:

(Start: 53 @9992 has 179 MA's), (102, 10073), (115, 10094), (176, 10187), (225, 10250), (243, 10301),

Gene: Dallas_26 Start: 16095, Stop: 16439, Start Num: 54

Candidate Starts for Dallas_26:

(Start: 54 @16095 has 40 MA's), (74, 16125), (141, 16239), (179, 16302), (181, 16305),

Gene: Damocles_11 Start: 7903, Stop: 8244, Start Num: 84

Candidate Starts for Damocles_11:

(38, 7771), (49, 7828), (Start: 84 @7903 has 55 MA's), (156, 8029), (167, 8056), (202, 8116), (203, 8119), (209, 8137), (225, 8164), (241, 8215),

Gene: DanHam62_9 Start: 7312, Stop: 7650, Start Num: 84

Candidate Starts for DanHam62_9:

(12, 7018), (25, 7105), (39, 7189), (66, 7273), (Start: 84 @7312 has 55 MA's), (112, 7357), (129, 7381), (146, 7423), (156, 7438), (184, 7483), (187, 7489), (202, 7522), (225, 7570), (230, 7588),

Gene: Daob_11 Start: 7906, Stop: 8247, Start Num: 84

Candidate Starts for Daob_11:

(38, 7774), (49, 7831), (Start: 84 @7906 has 55 MA's), (156, 8032), (167, 8059), (202, 8119), (203, 8122), (209, 8140), (225, 8167), (241, 8218),

Gene: Dardanus_15 Start: 9541, Stop: 9897, Start Num: 98

Candidate Starts for Dardanus_15:

(Start: 98 @9541 has 59 MA's), (118, 9571), (128, 9586), (157, 9643), (166, 9664), (184, 9712), (198, 9736), (207, 9763), (234, 9841), (248, 9886),

Gene: Daredevil_20 Start: 12467, Stop: 12796, Start Num: 107

Candidate Starts for Daredevil_20:

(70, 12395), (Start: 98 @12452 has 59 MA's), (Start: 107 @12467 has 3 MA's), (111, 12476), (115, 12482), (197, 12641), (229, 12725),

Gene: DelRio_14 Start: 9136, Stop: 9456, Start Num: 95

Candidate Starts for DelRio_14:

(7, 8791), (80, 9109), (Start: 95 @9136 has 36 MA's), (Start: 99 @9139 has 1 MA's), (108, 9154), (140, 9211), (159, 9244), (192, 9298), (195, 9304), (197, 9310), (203, 9328), (241, 9427),

Gene: Delian_9 Start: 6959, Stop: 7321, Start Num: 98

Candidate Starts for Delian_9:

(9, 6623), (81, 6932), (Start: 98 @6959 has 59 MA's), (111, 6983), (123, 7001), (128, 7007), (142, 7037), (169, 7088), (194, 7148),

Gene: DickRichards_9 Start: 7819, Stop: 8148, Start Num: 85

Candidate Starts for DickRichards_9:

(Start: 85 @7819 has 166 MA's), (Start: 95 @7834 has 36 MA's), (225, 8071), (241, 8116),

Gene: Didgeridoo_10 Start: 7544, Stop: 7873, Start Num: 85

Candidate Starts for Didgeridoo_10:

(11, 7247), (19, 7289), (22, 7304), (Start: 85 @7544 has 166 MA's), (Start: 95 @7559 has 36 MA's), (208, 7766), (225, 7796), (238, 7829), (241, 7841),

Gene: Dina_9 Start: 6861, Stop: 7205, Start Num: 103

Candidate Starts for Dina_9:

(18, 6570), (Start: 103 @6861 has 8 MA's), (142, 6927), (161, 6960), (169, 6978), (171, 6990), (197, 7047), (219, 7110), (235, 7164), (241, 7185), (243, 7191),

Gene: Dino_12 Start: 9768, Stop: 10106, Start Num: 85

Candidate Starts for Dino_12:

(Start: 85 @9768 has 166 MA's), (160, 9900), (194, 9954), (228, 10035), (240, 10065),

Gene: DinoDaryn_15 Start: 9631, Stop: 9990, Start Num: 98

Candidate Starts for DinoDaryn_15:

(Start: 98 @9631 has 59 MA's), (113, 9658), (118, 9664), (142, 9706), (166, 9757), (184, 9805), (225, 9901), (228, 9913), (240, 9949),

Gene: DirtyBoi_10 Start: 7238, Stop: 7573, Start Num: 95

Candidate Starts for DirtyBoi_10:

(Start: 95 @7238 has 36 MA's), (195, 7409),

Gene: DirtyBubble_9 Start: 7574, Stop: 7903, Start Num: 85

Candidate Starts for DirtyBubble_9:

(11, 7277), (22, 7334), (Start: 83 @7571 has 1 MA's), (Start: 85 @7574 has 166 MA's), (Start: 95 @7589 has 36 MA's), (208, 7796), (209, 7799), (225, 7826), (241, 7871),

Gene: Dismas_9 Start: 7550, Stop: 7882, Start Num: 83

Candidate Starts for Dismas_9:

(11, 7256), (44, 7457), (Start: 83 @7550 has 1 MA's), (Start: 85 @7553 has 166 MA's), (Start: 95 @7568 has 36 MA's), (132, 7625), (167, 7700), (208, 7775), (225, 7805), (241, 7850),

Gene: Dmitri_10 Start: 7247, Stop: 7582, Start Num: 95

Candidate Starts for Dmitri_10:

(Start: 95 @7247 has 36 MA's), (154, 7349), (187, 7412), (192, 7421), (197, 7433), (203, 7451), (215, 7472),

Gene: DmpstrDiver_25 Start: 16731, Stop: 17075, Start Num: 54

Candidate Starts for DmpstrDiver_25:

(Start: 54 @16731 has 40 MA's), (74, 16761), (141, 16875), (179, 16938), (181, 16941),

Gene: DoctorDiddles_16 Start: 9423, Stop: 9758, Start Num: 53

Candidate Starts for DoctorDiddles_16:

(Start: 53 @9423 has 179 MA's), (102, 9504), (115, 9525), (176, 9618), (225, 9681), (243, 9732),

Gene: Doggs_9 Start: 6962, Stop: 7297, Start Num: 95

Candidate Starts for Doggs_9:

(27, 6782), (Start: 95 @6962 has 36 MA's), (154, 7064), (187, 7127), (192, 7136), (197, 7148), (203, 7166), (215, 7187), (245, 7280),

Gene: Doobus_9 Start: 7556, Stop: 7885, Start Num: 85

Candidate Starts for Doobus_9:

(Start: 85 @7556 has 166 MA's), (Start: 95 @7571 has 36 MA's), (225, 7808), (241, 7853),

Gene: Dove_24 Start: 15864, Stop: 16208, Start Num: 54

Candidate Starts for Dove_24:

(36, 15798), (Start: 54 @15864 has 40 MA's), (74, 15894), (141, 16008), (179, 16071), (181, 16074),

Gene: DrDrey_16 Start: 10210, Stop: 10545, Start Num: 53

Candidate Starts for DrDrey_16:

(Start: 53 @10210 has 179 MA's), (102, 10291), (176, 10405), (203, 10456), (225, 10468), (243, 10519),

Gene: DrParker_8 Start: 6113, Stop: 6460, Start Num: 88

Candidate Starts for DrParker_8:

(32, 5957), (34, 5963), (35, 5966), (36, 5969), (41, 6008), (45, 6017), (48, 6029), (56, 6050), (Start: 88 @6113 has 45 MA's), (106, 6143), (108, 6146), (125, 6176), (132, 6188), (144, 6218), (152, 6230), (191, 6302), (200, 6323), (222, 6365), (230, 6392), (236, 6407), (245, 6440),

Gene: DrRobert_8 Start: 6905, Stop: 7243, Start Num: 85

Candidate Starts for DrRobert_8:

(Start: 85 @6905 has 166 MA's), (108, 6938), (240, 7202),

Gene: DreamTeam_8 Start: 6951, Stop: 7289, Start Num: 85

Candidate Starts for DreamTeam_8:

(Start: 85 @6951 has 166 MA's), (108, 6984), (240, 7248),

Gene: Duke13_23 Start: 16129, Stop: 16473, Start Num: 54

Candidate Starts for Duke13_23:

(Start: 54 @16129 has 40 MA's), (74, 16159), (141, 16273), (179, 16336), (181, 16339),

Gene: Dumbo_15 Start: 9191, Stop: 9526, Start Num: 53

Candidate Starts for Dumbo_15:

(Start: 53 @9191 has 179 MA's), (102, 9272), (176, 9386), (203, 9437), (225, 9449), (243, 9500),

Gene: DumpsterDude_10 Start: 7367, Stop: 7690, Start Num: 95

Candidate Starts for DumpsterDude_10:

(6, 6968), (7, 7010), (30, 7190), (Start: 95 @7367 has 36 MA's), (108, 7385), (192, 7529),

Gene: Duplicity_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Duplicity_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Dusk_15 Start: 9917, Stop: 10252, Start Num: 53

Candidate Starts for Dusk_15:

(Start: 53 @9917 has 179 MA's), (102, 9998), (115, 10019), (176, 10112), (225, 10175), (243, 10226),

Gene: Dylan_42 Start: 22051, Stop: 22410, Start Num: 58

Candidate Starts for Dylan_42:

(Start: 58 @22051 has 33 MA's), (74, 22081), (104, 22132), (111, 22144), (150, 22210), (203, 22318), (228, 22342),

Gene: EGUunicorn_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for EGUunicorn_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Easy2Say_16 Start: 10457, Stop: 10792, Start Num: 53

Candidate Starts for Easy2Say_16:

(Start: 53 @10457 has 179 MA's), (102, 10538), (176, 10652), (203, 10703), (225, 10715), (243, 10766),

Gene: Eden_8 Start: 7182, Stop: 7514, Start Num: 85

Candidate Starts for Eden_8:

(Start: 85 @7182 has 166 MA's), (94, 7194), (Start: 95 @7197 has 36 MA's), (117, 7233), (211, 7416),

Gene: Eesa_10 Start: 7902, Stop: 8243, Start Num: 84

Candidate Starts for Eesa_10:

(Start: 84 @7902 has 55 MA's), (87, 7905), (112, 7947), (145, 8010), (146, 8013), (156, 8028), (209, 8136), (225, 8163), (241, 8214),

Gene: Ejimix_27 Start: 17305, Stop: 17649, Start Num: 54

Candidate Starts for Ejimix_27:

(Start: 54 @17305 has 40 MA's), (74, 17335), (141, 17449), (179, 17512), (181, 17515),

Gene: Elfy_8 Start: 6109, Stop: 6465, Start Num: 59

Candidate Starts for Elfy_8:

(Start: 59 @6109 has 6 MA's), (79, 6151), (86, 6163), (Start: 99 @6184 has 1 MA's), (111, 6205), (135, 6244), (137, 6250), (148, 6274), (159, 6292), (160, 6295), (181, 6328), (226, 6382), (248, 6454),

Gene: Elite2014_14 Start: 8934, Stop: 9269, Start Num: 53

Candidate Starts for Elite2014_14:

(Start: 53 @8934 has 179 MA's), (102, 9015), (176, 9129), (203, 9180), (225, 9192), (243, 9243),

Gene: Elph10_16 Start: 9194, Stop: 9529, Start Num: 53

Candidate Starts for Elph10_16:

(Start: 53 @9194 has 179 MA's), (102, 9275), (176, 9389), (203, 9440), (225, 9452), (243, 9503),

Gene: Elva_10 Start: 7631, Stop: 7960, Start Num: 85

Candidate Starts for Elva_10:

(11, 7334), (Start: 83 @7628 has 1 MA's), (Start: 85 @7631 has 166 MA's), (Start: 95 @7646 has 36 MA's), (208, 7853), (209, 7856), (225, 7883), (241, 7928),

Gene: Emmina_15 Start: 9039, Stop: 9374, Start Num: 53

Candidate Starts for Emmina_15:

(Start: 53 @9039 has 179 MA's), (102, 9120), (176, 9234), (203, 9285), (225, 9297), (243, 9348),

Gene: Enochoraptor_8 Start: 6109, Stop: 6456, Start Num: 88

Candidate Starts for Enochoraptor_8:

(32, 5953), (34, 5959), (35, 5962), (36, 5965), (41, 6004), (42, 6007), (45, 6013), (56, 6046), (73, 6082), (76, 6085), (Start: 88 @6109 has 45 MA's), (104, 6136), (106, 6139), (108, 6142), (132, 6184), (152, 6226), (191, 6298), (200, 6319), (222, 6361), (229, 6385), (230, 6388), (236, 6403), (245, 6436),

Gene: Enoki_8 Start: 6094, Stop: 6441, Start Num: 88

Candidate Starts for Enoki_8:

(32, 5938), (36, 5950), (45, 5998), (56, 6031), (Start: 88 @6094 has 45 MA's), (106, 6124), (108, 6127), (132, 6169), (144, 6199), (152, 6211), (191, 6283), (222, 6346), (229, 6370), (230, 6373), (236, 6388), (245, 6421),

Gene: EricMillard_26 Start: 16841, Stop: 17185, Start Num: 54

Candidate Starts for EricMillard_26:

(Start: 54 @16841 has 40 MA's), (74, 16871), (141, 16985), (179, 17048), (181, 17051),

Gene: EstebanJulior_8 Start: 6949, Stop: 7287, Start Num: 85

Candidate Starts for EstebanJulior_8:

(Start: 85 @6949 has 166 MA's), (108, 6982), (160, 7081), (240, 7246),

Gene: Eula_9 Start: 7323, Stop: 7652, Start Num: 85

Candidate Starts for Eula_9:

(22, 7083), (44, 7227), (Start: 85 @7323 has 166 MA's), (Start: 95 @7338 has 36 MA's), (143, 7422), (225, 7575), (241, 7620), (243, 7626),

Gene: Eunoia_8 Start: 6923, Stop: 7261, Start Num: 85

Candidate Starts for Eunoia_8:

(Start: 85 @6923 has 166 MA's), (108, 6956), (130, 6995), (169, 7076), (226, 7181), (228, 7190),

Gene: Eureka_16 Start: 10237, Stop: 10572, Start Num: 53

Candidate Starts for Eureka_16:

(Start: 53 @10237 has 179 MA's), (102, 10318), (163, 10423), (176, 10432), (225, 10495), (243, 10546),

Gene: Eyes_9 Start: 6875, Stop: 7210, Start Num: 95

Candidate Starts for Eyes_9:

(Start: 95 @6875 has 36 MA's), (140, 6953), (208, 7085),

Gene: Ezurina_10 Start: 6694, Stop: 7029, Start Num: 59

Candidate Starts for Ezurina_10:

(Start: 59 @6694 has 6 MA's), (225, 6946),

Gene: Fairfaxidum_9 Start: 6937, Stop: 7305, Start Num: 98

Candidate Starts for Fairfaxidum_9:

(Start: 98 @6937 has 59 MA's), (113, 6961), (118, 6967), (153, 7039), (161, 7054), (169, 7072), (173, 7087), (194, 7132), (197, 7141),

Gene: FairyPath_16 Start: 10455, Stop: 10790, Start Num: 53

Candidate Starts for FairyPath_16:

(Start: 53 @10455 has 179 MA's), (102, 10536), (115, 10557), (176, 10650), (225, 10713), (243, 10764),

Gene: Familton_44 Start: 22342, Stop: 22701, Start Num: 58

Candidate Starts for Familton_44:

(Start: 58 @22342 has 33 MA's), (74, 22372), (104, 22423), (111, 22435), (150, 22501), (203, 22609), (228, 22633),

Gene: Fenry_9 Start: 6968, Stop: 7330, Start Num: 98

Candidate Starts for Fenry_9:

(81, 6941), (Start: 98 @6968 has 59 MA's), (111, 6992), (128, 7016), (142, 7046), (161, 7079), (169, 7097), (194, 7157),

Gene: Filch_16 Start: 9479, Stop: 9814, Start Num: 53

Candidate Starts for Filch_16:

(Start: 53 @9479 has 179 MA's), (102, 9560), (176, 9674), (203, 9725), (225, 9737), (243, 9788),

Gene: Finalfrontier_10 Start: 7834, Stop: 8163, Start Num: 85

Candidate Starts for Finalfrontier_10:

(22, 7594), (44, 7738), (Start: 85 @7834 has 166 MA's), (Start: 95 @7849 has 36 MA's), (143, 7933), (144, 7936), (208, 8056), (225, 8086), (227, 8095), (241, 8131),

Gene: Fingolfin_9 Start: 7313, Stop: 7651, Start Num: 84

Candidate Starts for Fingolfin_9:

(12, 7019), (25, 7106), (39, 7190), (66, 7274), (Start: 84 @7313 has 55 MA's), (112, 7358), (129, 7382), (146, 7424), (156, 7439), (184, 7484), (187, 7490), (202, 7523), (225, 7571), (230, 7589),

Gene: FireRed_15 Start: 9767, Stop: 10102, Start Num: 53

Candidate Starts for FireRed_15:

(Start: 53 @9767 has 179 MA's), (102, 9848), (176, 9962), (203, 10013), (225, 10025), (243, 10076),

Gene: Firecracker_43 Start: 21949, Stop: 22308, Start Num: 58

Candidate Starts for Firecracker_43:

(Start: 58 @21949 has 33 MA's), (74, 21979), (104, 22030), (111, 22042), (150, 22108), (203, 22216), (228, 22240),

Gene: FlameThrower_9 Start: 7282, Stop: 7611, Start Num: 85

Candidate Starts for FlameThrower_9:

(2, 6853), (11, 6985), (Start: 83 @7279 has 1 MA's), (Start: 85 @7282 has 166 MA's), (Start: 95 @7297 has 36 MA's), (117, 7330), (208, 7504), (225, 7534), (241, 7579), (247, 7597),

Gene: Fluke_12 Start: 9810, Stop: 10148, Start Num: 85

Candidate Starts for Fluke_12:

(Start: 85 @9810 has 166 MA's), (194, 9996), (228, 10077), (240, 10107),

Gene: Flypotenuse_14 Start: 9874, Stop: 10209, Start Num: 53

Candidate Starts for Flypotenuse_14:

(Start: 53 @9874 has 179 MA's), (102, 9955), (115, 9976), (176, 10069), (225, 10132), (243, 10183),

Gene: FoghornLeghorn_15 Start: 9762, Stop: 10097, Start Num: 53

Candidate Starts for FoghornLeghorn_15:

(Start: 53 @9762 has 179 MA's), (102, 9843), (115, 9864), (176, 9957), (225, 10020), (243, 10071),

Gene: FoulBall_43 Start: 22336, Stop: 22695, Start Num: 58

Candidate Starts for FoulBall_43:

(Start: 58 @22336 has 33 MA's), (74, 22366), (104, 22417), (111, 22429), (150, 22495), (203, 22603), (228, 22627),

Gene: Francois_13 Start: 8640, Stop: 8960, Start Num: 95

Candidate Starts for Francois_13:

(7, 8295), (80, 8613), (Start: 95 @8640 has 36 MA's), (Start: 99 @8643 has 1 MA's), (108, 8658), (140, 8715), (159, 8748), (160, 8751), (192, 8802), (195, 8808), (197, 8814), (203, 8832), (213, 8850), (216, 8856), (241, 8931),

Gene: Franklin22_8 Start: 7163, Stop: 7495, Start Num: 85

Candidate Starts for Franklin22_8:

(Start: 83 @7160 has 1 MA's), (Start: 85 @7163 has 166 MA's), (94, 7175), (Start: 95 @7178 has 36 MA's), (121, 7220), (143, 7265), (156, 7286), (225, 7418),

Gene: Frizzle_7 Start: 6056, Stop: 6415, Start Num: 98

Candidate Starts for Frizzle_7:

(Start: 98 @6056 has 59 MA's), (174, 6203), (227, 6338),

Gene: Frokostdame_9 Start: 6954, Stop: 7316, Start Num: 98

Candidate Starts for Frokostdame_9:

(9, 6618), (Start: 98 @6954 has 59 MA's), (111, 6978), (128, 7002), (142, 7032), (161, 7065), (169, 7083), (194, 7143),

Gene: Fulbright_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Fulbright_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: GEazy_9 Start: 6877, Stop: 7212, Start Num: 95

Candidate Starts for GEazy_9:

(Start: 95 @6877 has 36 MA's), (140, 6955), (195, 7048), (199, 7060), (208, 7087),

Gene: Gack_8 Start: 7233, Stop: 7565, Start Num: 85

Candidate Starts for Gack_8:

(Start: 85 @7233 has 166 MA's), (94, 7245), (Start: 95 @7248 has 36 MA's), (108, 7266), (134, 7311), (169, 7386), (225, 7488),

Gene: Gage_17 Start: 9714, Stop: 10049, Start Num: 53

Candidate Starts for Gage_17:

(Start: 53 @9714 has 179 MA's), (102, 9795), (176, 9909), (203, 9960), (225, 9972), (243, 10023),

Gene: Galaxy_10 Start: 7711, Stop: 8073, Start Num: 84

Candidate Starts for Galaxy_10:

(Start: 84 @7711 has 55 MA's), (87, 7714), (Start: 101 @7738 has 1 MA's), (141, 7807), (144, 7816), (167, 7864), (170, 7873), (184, 7903), (194, 7921), (201, 7939), (204, 7948), (229, 8008),

Gene: Gambino_9 Start: 6835, Stop: 7194, Start Num: 98

Candidate Starts for Gambino_9:

(9, 6499), (Start: 98 @6835 has 59 MA's), (111, 6859), (123, 6877), (161, 6943), (169, 6961), (194, 7021),

Gene: Gator_14 Start: 9873, Stop: 10208, Start Num: 53

Candidate Starts for Gator_14:

(Start: 53 @9873 has 179 MA's), (102, 9954), (115, 9975), (176, 10068), (225, 10131), (243, 10182),

Gene: Gemini_17 Start: 9714, Stop: 10049, Start Num: 53

Candidate Starts for Gemini_17:

(Start: 53 @9714 has 179 MA's), (102, 9795), (176, 9909), (203, 9960), (225, 9972), (243, 10023),

Gene: Gerri43_11 Start: 7129, Stop: 7464, Start Num: 59

Candidate Starts for Gerri43_11:

(Start: 59 @7129 has 6 MA's), (75, 7159), (225, 7381),

Gene: Gex_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Gex_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Ghobes_7 Start: 6056, Stop: 6415, Start Num: 98

Candidate Starts for Ghobes_7:

(Start: 98 @6056 has 59 MA's), (174, 6203), (227, 6338),

Gene: Gibbzilla_10 Start: 6959, Stop: 7303, Start Num: 86

Candidate Starts for Gibbzilla_10:

(86, 6959), (134, 7037), (194, 7151),

Gene: Gisselle_8 Start: 6951, Stop: 7289, Start Num: 85

Candidate Starts for Gisselle_8:

(Start: 85 @6951 has 166 MA's), (108, 6984), (240, 7248),

Gene: Glenn_12 Start: 9820, Stop: 10158, Start Num: 85

Candidate Starts for Glenn_12:

(Start: 85 @9820 has 166 MA's), (194, 10006), (228, 10087), (240, 10117),

Gene: Glexan_14 Start: 9874, Stop: 10209, Start Num: 53

Candidate Starts for Glexan_14:

(Start: 53 @9874 has 179 MA's), (102, 9955), (115, 9976), (176, 10069), (225, 10132), (243, 10183),

Gene: Glotell_9 Start: 7312, Stop: 7650, Start Num: 84

Candidate Starts for Glotell_9:

(12, 7018), (25, 7105), (39, 7189), (66, 7273), (Start: 84 @7312 has 55 MA's), (112, 7357), (129, 7381), (146, 7423), (156, 7438), (184, 7483), (187, 7489), (202, 7522), (225, 7570), (230, 7588),

Gene: Goib_14 Start: 9406, Stop: 9765, Start Num: 98

Candidate Starts for Goib_14:

(Start: 98 @9406 has 59 MA's), (113, 9433), (118, 9439), (142, 9481), (166, 9532), (184, 9580), (228, 9688), (240, 9724),

Gene: Goku_16 Start: 9966, Stop: 10301, Start Num: 53

Candidate Starts for Goku_16:

(Start: 53 @9966 has 179 MA's), (102, 10047), (176, 10161), (203, 10212), (225, 10224), (243, 10275),

Gene: GoldenSpark_17 Start: 9714, Stop: 10049, Start Num: 53

Candidate Starts for GoldenSpark_17:

(Start: 53 @9714 has 179 MA's), (102, 9795), (176, 9909), (203, 9960), (225, 9972), (243, 10023),

Gene: Goldilocks_17 Start: 9668, Stop: 10003, Start Num: 53

Candidate Starts for Goldilocks_17:

(Start: 53 @9668 has 179 MA's), (102, 9749), (115, 9770), (176, 9863), (225, 9926), (243, 9977),

Gene: Gonephishing_22 Start: 14668, Stop: 15012, Start Num: 54

Candidate Starts for Gonephishing_22:

(Start: 54 @14668 has 40 MA's), (74, 14698), (111, 14764), (179, 14875), (181, 14878), (198, 14902), (241, 14980), (249, 15007),

Gene: GooberAzure_17 Start: 9714, Stop: 10049, Start Num: 53

Candidate Starts for GooberAzure_17:

(Start: 53 @9714 has 179 MA's), (102, 9795), (176, 9909), (203, 9960), (225, 9972), (243, 10023),

Gene: GramZayde_10 Start: 7742, Stop: 8083, Start Num: 84

Candidate Starts for GramZayde_10:

(38, 7610), (49, 7667), (Start: 84 @7742 has 55 MA's), (156, 7868), (167, 7895), (202, 7955), (203, 7958), (209, 7976), (225, 8003), (241, 8054),

Gene: GrandSlam_13 Start: 8659, Stop: 8979, Start Num: 95

Candidate Starts for GrandSlam_13:

(7, 8314), (80, 8632), (Start: 95 @8659 has 36 MA's), (108, 8677), (140, 8734), (159, 8767), (192, 8821), (195, 8827), (197, 8833), (203, 8851), (216, 8875), (241, 8950),

Gene: Gravel_11 Start: 7898, Stop: 8239, Start Num: 84

Candidate Starts for Gravel_11:

(Start: 84 @7898 has 55 MA's), (87, 7901), (112, 7943), (145, 8006), (146, 8009), (156, 8024), (209, 8132), (225, 8159), (241, 8210),

Gene: Graynor_12 Start: 9826, Stop: 10164, Start Num: 85

Candidate Starts for Graynor_12:

(Start: 85 @9826 has 166 MA's), (108, 9859),

Gene: GreenHearts_12 Start: 9892, Stop: 10230, Start Num: 85

Candidate Starts for GreenHearts_12:

(Start: 85 @9892 has 166 MA's), (160, 10024), (195, 10081), (240, 10189),

Gene: Greenhouse_12 Start: 9817, Stop: 10155, Start Num: 85

Candidate Starts for Greenhouse_12:

(Start: 85 @9817 has 166 MA's), (160, 9949), (195, 10006), (226, 10075), (228, 10084), (240, 10114),

Gene: Greep_16 Start: 10044, Stop: 10379, Start Num: 53

Candidate Starts for Greep_16:

(Start: 53 @10044 has 179 MA's), (102, 10125), (176, 10239), (203, 10290), (225, 10302), (243, 10353),

Gene: Grist_9 Start: 7368, Stop: 7697, Start Num: 85

Candidate Starts for Grist_9:

(Start: 85 @7368 has 166 MA's), (Start: 95 @7383 has 36 MA's), (208, 7590), (238, 7653), (241, 7665),

Gene: Gspu1_11 Start: 7862, Stop: 8218, Start Num: 98

Candidate Starts for Gspu1_11:

(Start: 98 @7862 has 59 MA's), (111, 7886), (118, 7895), (126, 7907), (150, 7955), (153, 7958), (157, 7964), (187, 8039), (198, 8057), (203, 8072), (214, 8102), (218, 8111), (226, 8132), (228, 8141), (234, 8162), (240, 8177), (247, 8204),

Gene: Guacamole_9 Start: 6963, Stop: 7325, Start Num: 98

Candidate Starts for Guacamole_9:

(9, 6627), (81, 6936), (Start: 98 @6963 has 59 MA's), (111, 6987), (123, 7005), (128, 7011), (142, 7041), (169, 7092), (194, 7152),

Gene: HC_10 Start: 7529, Stop: 7921, Start Num: 55

Candidate Starts for HC_10:

(10, 7280), (37, 7457), (Start: 55 @7529 has 9 MA's), (74, 7565), (111, 7628), (115, 7634), (150, 7694), (179, 7739), (229, 7856), (240, 7880), (241, 7889), (244, 7898),

Gene: Halley_26 Start: 16554, Stop: 16898, Start Num: 54

Candidate Starts for Halley_26:

(Start: 54 @16554 has 40 MA's), (74, 16584), (141, 16698), (179, 16761), (181, 16764),

Gene: HamCheese_9 Start: 7312, Stop: 7650, Start Num: 84

Candidate Starts for HamCheese_9:

(12, 7018), (25, 7105), (39, 7189), (66, 7273), (Start: 84 @7312 has 55 MA's), (112, 7357), (129, 7381), (146, 7423), (156, 7438), (184, 7483), (187, 7489), (202, 7522), (225, 7570),

Gene: Hamood_13 Start: 8659, Stop: 8979, Start Num: 95

Candidate Starts for Hamood_13:

(7, 8314), (80, 8632), (Start: 95 @8659 has 36 MA's), (108, 8677), (140, 8734), (159, 8767), (192, 8821), (195, 8827), (197, 8833), (203, 8851), (216, 8875), (241, 8950),

Gene: HanKaySha_16 Start: 9469, Stop: 9804, Start Num: 53

Candidate Starts for HanKaySha_16:

(Start: 53 @9469 has 179 MA's), (102, 9550), (176, 9664), (203, 9715), (225, 9727), (243, 9778),

Gene: Hanako_9 Start: 6479, Stop: 6823, Start Num: 53

Candidate Starts for Hanako_9:

(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: HannahD_9 Start: 6877, Stop: 7212, Start Num: 95

Candidate Starts for HannahD_9:

(Start: 95 @6877 has 36 MA's), (140, 6955), (195, 7048), (199, 7060), (208, 7087),

Gene: HannahPhantana_11 Start: 7906, Stop: 8247, Start Num: 84

Candidate Starts for HannahPhantana_11:

(38, 7774), (49, 7831), (Start: 84 @7906 has 55 MA's), (156, 8032), (167, 8059), (202, 8119), (203, 8122), (209, 8140), (225, 8167), (241, 8218),

Gene: Harella_14 Start: 9874, Stop: 10209, Start Num: 53

Candidate Starts for Harella_14:

(Start: 53 @9874 has 179 MA's), (102, 9955), (115, 9976), (176, 10069), (225, 10132), (243, 10183),

Gene: HeadNerd_8 Start: 6907, Stop: 7245, Start Num: 85

Candidate Starts for HeadNerd_8:

(Start: 85 @6907 has 166 MA's), (108, 6940), (240, 7204),

Gene: Hedwig_10 Start: 7238, Stop: 7573, Start Num: 95

Candidate Starts for Hedwig_10:

(Start: 95 @7238 has 36 MA's),

Gene: Henry_16 Start: 10257, Stop: 10592, Start Num: 53

Candidate Starts for Henry_16:

(Start: 53 @10257 has 179 MA's), (102, 10338), (115, 10359), (176, 10452), (225, 10515), (243, 10566),

Gene: Herb_8 Start: 6925, Stop: 7263, Start Num: 85

Candidate Starts for Herb_8:

(Start: 85 @6925 has 166 MA's), (130, 6997), (192, 7108), (226, 7183), (228, 7192), (245, 7243),

Gene: Hidrated_25 Start: 16670, Stop: 17014, Start Num: 54

Candidate Starts for Hidrated_25:

(36, 16604), (Start: 54 @16670 has 40 MA's), (74, 16700), (141, 16814), (179, 16877), (181, 16880),

Gene: Highbury_16 Start: 9388, Stop: 9723, Start Num: 53

Candidate Starts for Highbury_16:

(Start: 53 @9388 has 179 MA's), (102, 9469), (176, 9583), (203, 9634), (225, 9646), (243, 9697),

Gene: Hitter_9 Start: 6959, Stop: 7321, Start Num: 98

Candidate Starts for Hitter_9:

(9, 6623), (81, 6932), (Start: 98 @6959 has 59 MA's), (111, 6983), (123, 7001), (128, 7007), (142, 7037), (169, 7088), (194, 7148),

Gene: HokkenD_21 Start: 16124, Stop: 16468, Start Num: 54

Candidate Starts for HokkenD_21:

(Start: 54 @16124 has 40 MA's), (74, 16154), (141, 16268), (179, 16331), (181, 16334),

Gene: Holt_17 Start: 9541, Stop: 9876, Start Num: 53

Candidate Starts for Holt_17:

(Start: 53 @9541 has 179 MA's), (102, 9622), (115, 9643), (176, 9736), (225, 9799), (243, 9850),

Gene: Hoonter_17 Start: 9714, Stop: 10049, Start Num: 53

Candidate Starts for Hoonter_17:

(Start: 53 @9714 has 179 MA's), (102, 9795), (176, 9909), (203, 9960), (225, 9972), (243, 10023),

Gene: Hopey_16 Start: 9479, Stop: 9814, Start Num: 53

Candidate Starts for Hopey_16:

(Start: 53 @9479 has 179 MA's), (102, 9560), (176, 9674), (203, 9725), (225, 9737), (243, 9788),

Gene: Huckleberry_8 Start: 6907, Stop: 7245, Start Num: 85

Candidate Starts for Huckleberry_8:

(Start: 85 @6907 has 166 MA's), (108, 6940), (240, 7204),

Gene: HufflyPuff_14 Start: 9723, Stop: 10058, Start Num: 53

Candidate Starts for HufflyPuff_14:

(Start: 53 @9723 has 179 MA's), (102, 9804), (176, 9918), (203, 9969), (225, 9981), (243, 10032),

Gene: Huffly_15 Start: 9631, Stop: 9990, Start Num: 98

Candidate Starts for Huffly_15:

(Start: 98 @9631 has 59 MA's), (113, 9658), (118, 9664), (142, 9706), (166, 9757), (184, 9805), (225, 9901), (228, 9913), (240, 9949),

Gene: Hughesyang_25 Start: 16737, Stop: 17081, Start Num: 54

Candidate Starts for Hughesyang_25:

(36, 16671), (Start: 54 @16737 has 40 MA's), (74, 16767), (141, 16881), (179, 16944), (181, 16947),

Gene: HunterDalle_8 Start: 6923, Stop: 7261, Start Num: 85

Candidate Starts for HunterDalle_8:

(Start: 85 @6923 has 166 MA's), (108, 6956), (130, 6995), (169, 7076), (226, 7181), (228, 7190),

Gene: Huntingdon_12 Start: 9803, Stop: 10141, Start Num: 85

Candidate Starts for Huntingdon_12:

(Start: 85 @9803 has 166 MA's), (Start: 101 @9827 has 1 MA's), (195, 9992), (228, 10070), (240, 10100), (245, 10121),

Gene: IHOP_15 Start: 9917, Stop: 10252, Start Num: 53

Candidate Starts for IHOP_15:

(Start: 53 @9917 has 179 MA's), (102, 9998), (115, 10019), (176, 10112), (225, 10175), (243, 10226),

Gene: Ibantik_73 Start: 34657, Stop: 34986, Start Num: 60

Candidate Starts for Ibantik_73:

(Start: 60 @34657 has 2 MA's), (110, 34744), (143, 34795), (187, 34858), (225, 34906),

Gene: Icarian_10 Start: 7557, Stop: 7886, Start Num: 85

Candidate Starts for Icarian_10:

(11, 7260), (Start: 83 @7554 has 1 MA's), (Start: 85 @7557 has 166 MA's), (Start: 95 @7572 has 36 MA's), (209, 7782), (225, 7809), (241, 7854),

Gene: Icee_15 Start: 9917, Stop: 10252, Start Num: 53

Candidate Starts for Icee_15:

(Start: 53 @9917 has 179 MA's), (102, 9998), (115, 10019), (176, 10112), (225, 10175), (243, 10226),

Gene: Idergollasper_43 Start: 22336, Stop: 22695, Start Num: 58

Candidate Starts for Idergollasper_43:

(Start: 58 @22336 has 33 MA's), (74, 22366), (104, 22417), (111, 22429), (150, 22495), (203, 22603), (228, 22627),

Gene: Imara_43 Start: 22145, Stop: 22504, Start Num: 58

Candidate Starts for Imara_43:

(Start: 58 @22145 has 33 MA's), (74, 22175), (104, 22226), (111, 22238), (150, 22304), (203, 22412), (228, 22436),

Gene: Immaculata_12 Start: 9814, Stop: 10152, Start Num: 85
Candidate Starts for Immaculata_12:
(Start: 85 @9814 has 166 MA's), (194, 10000), (228, 10081), (240, 10111),

Gene: Impisi_9 Start: 6479, Stop: 6823, Start Num: 53
Candidate Starts for Impisi_9:
(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: Inca_15 Start: 8937, Stop: 9272, Start Num: 53
Candidate Starts for Inca_15:
(Start: 53 @8937 has 179 MA's), (102, 9018), (115, 9039), (176, 9132), (225, 9195), (243, 9246),

Gene: IndyLu_9 Start: 7368, Stop: 7697, Start Num: 85
Candidate Starts for IndyLu_9:
(11, 7071), (19, 7113), (22, 7128), (Start: 85 @7368 has 166 MA's), (Start: 95 @7383 has 36 MA's), (208, 7590), (238, 7653), (241, 7665),

Gene: Island3_10 Start: 7530, Stop: 7922, Start Num: 55
Candidate Starts for Island3_10:
(37, 7458), (Start: 55 @7530 has 9 MA's), (74, 7566), (111, 7629), (115, 7635), (150, 7695), (179, 7740), (229, 7857), (240, 7881), (241, 7890), (244, 7899),

Gene: Jabb_9 Start: 7302, Stop: 7631, Start Num: 85
Candidate Starts for Jabb_9:
(22, 7062), (44, 7206), (Start: 85 @7302 has 166 MA's), (Start: 95 @7317 has 36 MA's), (143, 7401), (225, 7554), (241, 7599), (243, 7605),

Gene: Jalammah_9 Start: 6959, Stop: 7321, Start Num: 98
Candidate Starts for Jalammah_9:
(9, 6623), (81, 6932), (Start: 98 @6959 has 59 MA's), (111, 6983), (123, 7001), (128, 7007), (142, 7037), (161, 7070), (169, 7088), (194, 7148), (207, 7187),

Gene: Jamie19_9 Start: 6479, Stop: 6823, Start Num: 53
Candidate Starts for Jamie19_9:
(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: Jamun_10 Start: 8052, Stop: 8414, Start Num: 84
Candidate Starts for Jamun_10:
(38, 7920), (Start: 84 @8052 has 55 MA's), (87, 8055), (Start: 101 @8079 has 1 MA's), (141, 8148), (144, 8157), (170, 8214), (184, 8244), (194, 8262), (201, 8280), (204, 8289), (229, 8349),

Gene: JangDynasty_43 Start: 22431, Stop: 22790, Start Num: 58
Candidate Starts for JangDynasty_43:
(Start: 58 @22431 has 33 MA's), (74, 22461), (104, 22512), (111, 22524), (150, 22590), (203, 22698), (228, 22722),

Gene: JasperJr_9 Start: 6963, Stop: 7325, Start Num: 98
Candidate Starts for JasperJr_9:
(9, 6627), (81, 6936), (Start: 98 @6963 has 59 MA's), (111, 6987), (123, 7005), (128, 7011), (142, 7041), (169, 7092), (194, 7152),

Gene: JeTaime_17 Start: 10519, Stop: 10854, Start Num: 53

Candidate Starts for JeTaime_17:

(Start: 53 @10519 has 179 MA's), (102, 10600), (176, 10714), (203, 10765), (225, 10777), (243, 10828),

Gene: Jecs_9 Start: 7199, Stop: 7534, Start Num: 95

Candidate Starts for Jecs_9:

(94, 7196), (Start: 95 @7199 has 36 MA's), (109, 7220), (140, 7277), (195, 7370), (208, 7409),

Gene: Jerole_11 Start: 7903, Stop: 8244, Start Num: 84

Candidate Starts for Jerole_11:

(38, 7771), (49, 7828), (Start: 84 @7903 has 55 MA's), (156, 8029), (167, 8056), (202, 8116), (203, 8119), (209, 8137), (225, 8164), (241, 8215),

Gene: Joann_12 Start: 9795, Stop: 10133, Start Num: 85

Candidate Starts for Joann_12:

(Start: 85 @9795 has 166 MA's), (160, 9927), (195, 9984), (226, 10053), (228, 10062), (240, 10092),

Gene: Johnathan_9 Start: 7325, Stop: 7654, Start Num: 85

Candidate Starts for Johnathan_9:

(Start: 85 @7325 has 166 MA's), (Start: 95 @7340 has 36 MA's), (225, 7577), (241, 7622),

Gene: Journey_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Journey_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Jovita_9 Start: 7424, Stop: 7753, Start Num: 85

Candidate Starts for Jovita_9:

(22, 7184), (44, 7328), (Start: 85 @7424 has 166 MA's), (Start: 95 @7439 has 36 MA's), (143, 7523), (225, 7676), (241, 7721), (243, 7727),

Gene: JuJu_9 Start: 6884, Stop: 7246, Start Num: 98

Candidate Starts for JuJu_9:

(9, 6548), (Start: 98 @6884 has 59 MA's), (111, 6908), (128, 6932), (142, 6962), (161, 6995), (169, 7013), (194, 7073),

Gene: JuicyJay_28 Start: 17388, Stop: 17732, Start Num: 54

Candidate Starts for JuicyJay_28:

(Start: 54 @17388 has 40 MA's), (74, 17418), (141, 17532), (179, 17595), (181, 17598),

Gene: Jumboset_12 Start: 9763, Stop: 10101, Start Num: 85

Candidate Starts for Jumboset_12:

(28, 9598), (Start: 85 @9763 has 166 MA's), (194, 9949), (228, 10030), (240, 10060),

Gene: Juno112_9 Start: 7313, Stop: 7651, Start Num: 84

Candidate Starts for Juno112_9:

(12, 7019), (25, 7106), (39, 7190), (66, 7274), (Start: 84 @7313 has 55 MA's), (112, 7358), (129, 7382), (146, 7424), (156, 7439), (184, 7484), (187, 7490), (202, 7523), (225, 7571), (230, 7589),

Gene: KHumphrey_9 Start: 7312, Stop: 7650, Start Num: 84

Candidate Starts for KHumphrey_9:

(12, 7018), (25, 7105), (39, 7189), (66, 7273), (Start: 84 @7312 has 55 MA's), (112, 7357), (129, 7381), (146, 7423), (156, 7438), (184, 7483), (187, 7489), (202, 7522), (225, 7570), (230, 7588),

Gene: Kalah2_27 Start: 17156, Stop: 17500, Start Num: 54

Candidate Starts for Kalah2_27:

(Start: 54 @17156 has 40 MA's), (74, 17186), (141, 17300), (179, 17363), (181, 17366),

Gene: Kalizoi_12 Start: 9762, Stop: 10100, Start Num: 85

Candidate Starts for Kalizoi_12:

(Start: 85 @9762 has 166 MA's), (160, 9894), (194, 9948), (228, 10029), (240, 10059),

Gene: Kamdara_9 Start: 7552, Stop: 7881, Start Num: 85

Candidate Starts for Kamdara_9:

(11, 7255), (44, 7456), (Start: 83 @7549 has 1 MA's), (Start: 85 @7552 has 166 MA's), (Start: 95 @7567 has 36 MA's), (132, 7624), (167, 7699), (208, 7774), (225, 7804), (241, 7849),

Gene: Kanye_17 Start: 10707, Stop: 11042, Start Num: 53

Candidate Starts for Kanye_17:

(Start: 53 @10707 has 179 MA's), (102, 10788), (176, 10902), (203, 10953), (225, 10965), (243, 11016),

Gene: KappaFarmDelta_9 Start: 6997, Stop: 7359, Start Num: 98

Candidate Starts for KappaFarmDelta_9:

(81, 6970), (Start: 98 @6997 has 59 MA's), (111, 7021), (128, 7045), (142, 7075), (161, 7108), (169, 7126), (194, 7186), (207, 7225),

Gene: KashFlow_18 Start: 12741, Stop: 13085, Start Num: 54

Candidate Starts for KashFlow_18:

(Start: 54 @12741 has 40 MA's), (74, 12771), (111, 12837), (141, 12885), (179, 12948), (181, 12951), (198, 12975), (241, 13053), (249, 13080),

Gene: Kate33_9 Start: 7367, Stop: 7696, Start Num: 85

Candidate Starts for Kate33_9:

(11, 7070), (19, 7112), (22, 7127), (Start: 85 @7367 has 166 MA's), (Start: 95 @7382 has 36 MA's), (208, 7589), (238, 7652), (241, 7664),

Gene: Katzastrophic_9 Start: 7457, Stop: 7786, Start Num: 85

Candidate Starts for Katzastrophic_9:

(Start: 83 @7454 has 1 MA's), (Start: 85 @7457 has 166 MA's), (Start: 95 @7472 has 36 MA's), (117, 7505), (208, 7679), (225, 7709), (241, 7754), (247, 7772),

Gene: Keiki_8 Start: 6106, Stop: 6453, Start Num: 88

Candidate Starts for Keiki_8:

(45, 6010), (56, 6043), (Start: 88 @6106 has 45 MA's), (106, 6136), (108, 6139), (144, 6211), (152, 6223), (191, 6295), (200, 6316), (222, 6358), (229, 6382), (230, 6385), (236, 6400), (245, 6433),

Gene: KendraB23_11 Start: 7899, Stop: 8240, Start Num: 84

Candidate Starts for KendraB23_11:

(Start: 84 @7899 has 55 MA's), (87, 7902), (112, 7944), (145, 8007), (146, 8010), (156, 8025), (209, 8133), (225, 8160), (241, 8211),

Gene: Kenzers_9 Start: 7339, Stop: 7668, Start Num: 85

Candidate Starts for Kenzers_9:

(22, 7099), (44, 7243), (Start: 85 @7339 has 166 MA's), (Start: 95 @7354 has 36 MA's), (225, 7591), (241, 7636), (243, 7642),

Gene: Kepler_10 Start: 7741, Stop: 8082, Start Num: 84

Candidate Starts for Kepler_10:

(38, 7609), (49, 7666), (Start: 84 @7741 has 55 MA's), (156, 7867), (167, 7894), (202, 7954), (203, 7957), (209, 7975), (225, 8002), (241, 8053),

Gene: Kevin1_9 Start: 6458, Stop: 6799, Start Num: 53

Candidate Starts for Kevin1_9:

(Start: 53 @6458 has 179 MA's), (74, 6488), (147, 6611), (179, 6662), (233, 6746), (241, 6767),

Gene: Kieran_9 Start: 7556, Stop: 7885, Start Num: 85

Candidate Starts for Kieran_9:

(11, 7259), (44, 7460), (Start: 83 @7553 has 1 MA's), (Start: 85 @7556 has 166 MA's), (Start: 95 @7571 has 36 MA's), (132, 7628), (140, 7646), (167, 7703), (208, 7778), (225, 7808), (241, 7853),

Gene: Kiko_10 Start: 7078, Stop: 7413, Start Num: 95

Candidate Starts for Kiko_10:

(7, 6742), (17, 6820), (27, 6898), (Start: 95 @7078 has 36 MA's), (144, 7168), (156, 7183), (187, 7234), (197, 7255), (210, 7294), (239, 7372), (241, 7384),

Gene: Kimchi_17 Start: 9714, Stop: 10049, Start Num: 53

Candidate Starts for Kimchi_17:

(Start: 53 @9714 has 179 MA's), (102, 9795), (176, 9909), (203, 9960), (225, 9972), (243, 10023),

Gene: KingBob_8 Start: 6925, Stop: 7263, Start Num: 85

Candidate Starts for KingBob_8:

(Start: 85 @6925 has 166 MA's), (130, 6997), (192, 7108), (226, 7183), (228, 7192), (245, 7243),

Gene: KingPhillip3_43 Start: 22336, Stop: 22695, Start Num: 58

Candidate Starts for KingPhillip3_43:

(Start: 58 @22336 has 33 MA's), (74, 22366), (104, 22417), (111, 22429), (150, 22495), (203, 22603), (228, 22627),

Gene: Kittykat_8 Start: 6948, Stop: 7286, Start Num: 85

Candidate Starts for Kittykat_8:

(Start: 85 @6948 has 166 MA's), (240, 7245),

Gene: Klein_26 Start: 16134, Stop: 16478, Start Num: 54

Candidate Starts for Klein_26:

(Start: 54 @16134 has 40 MA's), (74, 16164), (141, 16278), (179, 16341), (181, 16344),

Gene: Korra_12 Start: 9768, Stop: 10106, Start Num: 85

Candidate Starts for Korra_12:

(Start: 85 @9768 has 166 MA's), (160, 9900), (194, 9954), (228, 10035), (240, 10065),

Gene: Kostya_16 Start: 10257, Stop: 10592, Start Num: 53

Candidate Starts for Kostya_16:

(Start: 53 @10257 has 179 MA's), (102, 10338), (115, 10359), (176, 10452), (225, 10515), (243, 10566),

Gene: Krili_42 Start: 22053, Stop: 22412, Start Num: 58

Candidate Starts for Krili_42:

(Start: 58 @22053 has 33 MA's), (74, 22083), (104, 22134), (111, 22146), (150, 22212), (203, 22320), (228, 22344),

Gene: Kromp_10 Start: 8334, Stop: 8675, Start Num: 97

Candidate Starts for Kromp_10:

(31, 8160), (Start: 97 @8334 has 4 MA's), (189, 8508),

Gene: Kubed_8 Start: 6096, Stop: 6443, Start Num: 88

Candidate Starts for Kubed_8:

(43, 5997), (56, 6033), (Start: 88 @6096 has 45 MA's), (106, 6126), (108, 6129), (132, 6171), (144, 6201), (152, 6213), (191, 6285), (222, 6348), (229, 6372), (230, 6375), (236, 6390), (245, 6423),

Gene: Kuleana_10 Start: 7701, Stop: 8042, Start Num: 84

Candidate Starts for Kuleana_10:

(Start: 84 @7701 has 55 MA's), (105, 7734), (145, 7809), (146, 7812), (156, 7827), (166, 7851), (167, 7854), (184, 7875), (202, 7914), (209, 7935), (225, 7962), (230, 7980), (241, 8013),

Gene: Lahqtemish_9 Start: 7412, Stop: 7741, Start Num: 85

Candidate Starts for Lahqtemish_9:

(Start: 85 @7412 has 166 MA's), (Start: 95 @7427 has 36 MA's), (208, 7634), (225, 7664), (238, 7697), (241, 7709),

Gene: Lakshmi_12 Start: 9822, Stop: 10160, Start Num: 85

Candidate Starts for Lakshmi_12:

(Start: 85 @9822 has 166 MA's), (160, 9954), (195, 10011), (240, 10119),

Gene: Laphuphu24k_9 Start: 7312, Stop: 7650, Start Num: 84

Candidate Starts for Laphuphu24k_9:

(12, 7018), (25, 7105), (39, 7189), (66, 7273), (Start: 84 @7312 has 55 MA's), (112, 7357), (129, 7381), (146, 7423), (156, 7438), (184, 7483), (187, 7489), (202, 7522), (225, 7570),

Gene: Lasagna_8 Start: 6905, Stop: 7243, Start Num: 85

Candidate Starts for Lasagna_8:

(Start: 85 @6905 has 166 MA's), (108, 6938), (240, 7202),

Gene: LastNadiia_14 Start: 9421, Stop: 9753, Start Num: 62

Candidate Starts for LastNadiia_14:

(Start: 62 @9421 has 7 MA's),

Gene: Lauchelly_8 Start: 6091, Stop: 6438, Start Num: 88

Candidate Starts for Lauchelly_8:

(32, 5935), (36, 5947), (45, 5995), (56, 6028), (76, 6067), (Start: 88 @6091 has 45 MA's), (106, 6121), (108, 6124), (144, 6196), (152, 6208), (222, 6343), (229, 6367), (230, 6370), (236, 6385), (245, 6418),

Gene: Lederberg_9 Start: 6861, Stop: 7205, Start Num: 103

Candidate Starts for Lederberg_9:

(18, 6570), (Start: 103 @6861 has 8 MA's), (142, 6927), (161, 6960), (169, 6978), (171, 6990), (197, 7047), (219, 7110), (235, 7164), (241, 7185), (243, 7191),

Gene: Lennox_8 Start: 6905, Stop: 7243, Start Num: 85

Candidate Starts for Lennox_8:

(Start: 85 @6905 has 166 MA's), (108, 6938), (240, 7202),

Gene: Leona_9 Start: 7363, Stop: 7701, Start Num: 84

Candidate Starts for Leona_9:

(39, 7240), (Start: 84 @7363 has 55 MA's), (112, 7408), (129, 7432), (146, 7474), (156, 7489), (184, 7534), (187, 7540), (202, 7573), (225, 7621), (230, 7639),

Gene: Leviosa_8 Start: 6112, Stop: 6459, Start Num: 88

Candidate Starts for Leviosa_8:

(32, 5956), (36, 5968), (45, 6016), (56, 6049), (76, 6088), (Start: 88 @6112 has 45 MA's), (106, 6142), (108, 6145), (125, 6175), (132, 6187), (144, 6217), (152, 6229), (156, 6235), (191, 6301), (200, 6322), (222, 6364), (229, 6388), (230, 6391), (236, 6406), (245, 6439),

Gene: LilBandit_8 Start: 6096, Stop: 6443, Start Num: 88

Candidate Starts for LilBandit_8:

(56, 6033), (Start: 88 @6096 has 45 MA's), (106, 6126), (108, 6129), (132, 6171), (144, 6201), (152, 6213), (191, 6285), (200, 6306), (222, 6348), (230, 6375), (236, 6390), (245, 6423),

Gene: LilStuart_8 Start: 6905, Stop: 7243, Start Num: 85

Candidate Starts for LilStuart_8:

(Start: 85 @6905 has 166 MA's), (108, 6938), (240, 7202),

Gene: Lilac_17 Start: 9215, Stop: 9550, Start Num: 53

Candidate Starts for Lilac_17:

(Start: 53 @9215 has 179 MA's), (102, 9296), (176, 9410), (203, 9461), (225, 9473), (243, 9524),

Gene: Lilizi_17 Start: 9426, Stop: 9761, Start Num: 53

Candidate Starts for Lilizi_17:

(Start: 53 @9426 has 179 MA's), (102, 9507), (176, 9621), (203, 9672), (225, 9684), (243, 9735),

Gene: Lilo27_9 Start: 7302, Stop: 7631, Start Num: 85

Candidate Starts for Lilo27_9:

(11, 7005), (19, 7047), (44, 7206), (Start: 83 @7299 has 1 MA's), (Start: 85 @7302 has 166 MA's), (Start: 95 @7317 has 36 MA's), (225, 7554), (241, 7599),

Gene: Lilpickle_14 Start: 8934, Stop: 9269, Start Num: 53

Candidate Starts for Lilpickle_14:

(Start: 53 @8934 has 179 MA's), (102, 9015), (176, 9129), (203, 9180), (225, 9192), (243, 9243),

Gene: LimaBean_9 Start: 7325, Stop: 7654, Start Num: 85

Candidate Starts for LimaBean_9:

(Start: 85 @7325 has 166 MA's), (Start: 95 @7340 has 36 MA's), (225, 7577), (241, 7622),

Gene: LisoBros_9 Start: 6471, Stop: 6812, Start Num: 59

Candidate Starts for LisoBros_9:

(Start: 59 @6471 has 6 MA's), (79, 6513), (Start: 99 @6546 has 1 MA's), (115, 6573), (159, 6636), (162, 6642), (181, 6672), (228, 6738), (243, 6786), (248, 6801),

Gene: Litotes_12 Start: 9790, Stop: 10128, Start Num: 85

Candidate Starts for Litotes_12:

(Start: 85 @9790 has 166 MA's), (108, 9823),

Gene: LittleE_24 Start: 15880, Stop: 16224, Start Num: 54

Candidate Starts for LittleE_24:

(Start: 54 @15880 has 40 MA's), (74, 15910), (111, 15976), (179, 16087), (181, 16090), (198, 16114), (241, 16192), (249, 16219),

Gene: LittleTokyo_10 Start: 7645, Stop: 7983, Start Num: 84

Candidate Starts for LittleTokyo_10:

(4, 7219), (16, 7372), (49, 7570), (Start: 62 @7594 has 7 MA's), (Start: 84 @7645 has 55 MA's), (112, 7690), (145, 7753), (156, 7771), (167, 7798), (194, 7834), (203, 7858), (225, 7903), (241, 7954), (246, 7969),

Gene: Liveloughbron_15 Start: 9855, Stop: 10190, Start Num: 53

Candidate Starts for Liveloughbron_15:

(Start: 53 @9855 has 179 MA's), (102, 9936), (115, 9957), (176, 10050), (225, 10113), (243, 10164),

Gene: Loviatar_9 Start: 7578, Stop: 7907, Start Num: 85

Candidate Starts for Loviatar_9:

(11, 7281), (Start: 83 @7575 has 1 MA's), (Start: 85 @7578 has 166 MA's), (Start: 95 @7593 has 36 MA's), (209, 7803), (225, 7830), (227, 7839), (238, 7863), (241, 7875),

Gene: Lucky2013_24 Start: 14623, Stop: 14967, Start Num: 54

Candidate Starts for Lucky2013_24:

(Start: 54 @14623 has 40 MA's), (74, 14653), (111, 14719), (141, 14767), (179, 14830), (181, 14833), (198, 14857), (241, 14935), (249, 14962),

Gene: Lucy_8 Start: 6896, Stop: 7234, Start Num: 85

Candidate Starts for Lucy_8:

(Start: 85 @6896 has 166 MA's), (108, 6929), (240, 7193),

Gene: Lunar_11 Start: 7903, Stop: 8244, Start Num: 84

Candidate Starts for Lunar_11:

(38, 7771), (49, 7828), (Start: 84 @7903 has 55 MA's), (156, 8029), (167, 8056), (202, 8116), (203, 8119), (209, 8137), (225, 8164), (241, 8215),

Gene: Lynlen_9 Start: 7339, Stop: 7668, Start Num: 85

Candidate Starts for Lynlen_9:

(22, 7099), (44, 7243), (Start: 85 @7339 has 166 MA's), (Start: 95 @7354 has 36 MA's), (225, 7591), (241, 7636), (243, 7642),

Gene: Lysidious_9 Start: 6959, Stop: 7321, Start Num: 98

Candidate Starts for Lysidious_9:

(9, 6623), (81, 6932), (Start: 98 @6959 has 59 MA's), (111, 6983), (123, 7001), (128, 7007), (142, 7037), (169, 7088), (194, 7148),

Gene: MEAK_8 Start: 6098, Stop: 6445, Start Num: 88

Candidate Starts for MEAK_8:

(56, 6035), (76, 6074), (Start: 88 @6098 has 45 MA's), (106, 6128), (108, 6131), (144, 6203), (152, 6215), (191, 6287), (200, 6308), (222, 6350), (230, 6377), (236, 6392), (245, 6425),

Gene: MISSy_15 Start: 9767, Stop: 10102, Start Num: 53

Candidate Starts for MISSy_15:

(Start: 53 @9767 has 179 MA's), (102, 9848), (176, 9962), (203, 10013), (225, 10025), (243, 10076),

Gene: MPhalcon_15 Start: 9767, Stop: 10102, Start Num: 53

Candidate Starts for MPhalcon_15:

(Start: 53 @9767 has 179 MA's), (102, 9848), (176, 9962), (203, 10013), (225, 10025), (243, 10076),

Gene: MadKillah_44 Start: 22275, Stop: 22634, Start Num: 58

Candidate Starts for MadKillah_44:

(Start: 58 @22275 has 33 MA's), (74, 22305), (104, 22356), (111, 22368), (150, 22434), (203, 22542), (228, 22566),

Gene: MadamMonkfish_15 Start: 9145, Stop: 9480, Start Num: 53

Candidate Starts for MadamMonkfish_15:

(Start: 53 @9145 has 179 MA's), (102, 9226), (176, 9340), (203, 9391), (225, 9403),

Gene: MagicMan_9 Start: 7205, Stop: 7540, Start Num: 95

Candidate Starts for MagicMan_9:

(13, 6920), (94, 7202), (Start: 95 @7205 has 36 MA's), (109, 7226), (208, 7415),

Gene: Magsby_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Magsby_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: MakCheese_9 Start: 7174, Stop: 7497, Start Num: 95

Candidate Starts for MakCheese_9:

(30, 6997), (80, 7147), (Start: 95 @7174 has 36 MA's), (108, 7192), (156, 7276), (195, 7342), (216, 7390),

Gene: Makima_12 Start: 8520, Stop: 8837, Start Num: 62

Candidate Starts for Makima_12:

(Start: 62 @8520 has 7 MA's), (225, 8769),

Gene: Makoto_8 Start: 6905, Stop: 7243, Start Num: 85

Candidate Starts for Makoto_8:

(Start: 85 @6905 has 166 MA's), (108, 6938), (240, 7202),

Gene: Malachai_9 Start: 6962, Stop: 7324, Start Num: 98

Candidate Starts for Malachai_9:

(9, 6626), (81, 6935), (Start: 98 @6962 has 59 MA's), (111, 6986), (123, 7004), (128, 7010), (142, 7040), (161, 7073), (169, 7091), (194, 7151),

Gene: Malibo_9 Start: 7157, Stop: 7480, Start Num: 95

Candidate Starts for Malibo_9:

(Start: 95 @7157 has 36 MA's), (175, 7283), (192, 7319),

Gene: MamaPearl_8 Start: 6949, Stop: 7287, Start Num: 85

Candidate Starts for MamaPearl_8:

(Start: 85 @6949 has 166 MA's), (108, 6982), (160, 7081), (240, 7246),

Gene: Manda_16 Start: 10227, Stop: 10562, Start Num: 53

Candidate Starts for Manda_16:

(Start: 53 @10227 has 179 MA's), (102, 10308), (115, 10329), (176, 10422), (225, 10485), (243, 10536),

Gene: Maria1952_8 Start: 6925, Stop: 7263, Start Num: 85

Candidate Starts for Maria1952_8:

(Start: 85 @6925 has 166 MA's), (130, 6997), (192, 7108), (226, 7183), (228, 7192), (245, 7243),

Gene: Marleymoo_27 Start: 17215, Stop: 17559, Start Num: 54

Candidate Starts for Marleymoo_27:

(36, 17149), (Start: 54 @17215 has 40 MA's), (74, 17245), (141, 17359), (179, 17422), (181, 17425),

Gene: Marshmallow_16 Start: 10257, Stop: 10592, Start Num: 53

Candidate Starts for Marshmallow_16:

(Start: 53 @10257 has 179 MA's), (102, 10338), (115, 10359), (176, 10452), (225, 10515), (243, 10566),

Gene: Maxxinista_16 Start: 9194, Stop: 9529, Start Num: 53

Candidate Starts for Maxxinista_16:

(Start: 53 @9194 has 179 MA's), (102, 9275), (176, 9389), (203, 9440), (225, 9452), (243, 9503),

Gene: MeganNoll_12 Start: 9820, Stop: 10158, Start Num: 85

Candidate Starts for MeganNoll_12:

(28, 9655), (Start: 85 @9820 has 166 MA's), (194, 10006), (228, 10087), (240, 10117),

Gene: Melba_9 Start: 6959, Stop: 7321, Start Num: 98

Candidate Starts for Melba_9:

(9, 6623), (81, 6932), (Start: 98 @6959 has 59 MA's), (111, 6983), (123, 7001), (128, 7007), (142, 7037), (169, 7088), (194, 7148),

Gene: Mellie_9 Start: 6959, Stop: 7321, Start Num: 98

Candidate Starts for Mellie_9:

(9, 6623), (81, 6932), (Start: 98 @6959 has 59 MA's), (111, 6983), (123, 7001), (128, 7007), (142, 7037), (161, 7070), (169, 7088), (194, 7148),

Gene: Melons_11 Start: 7903, Stop: 8244, Start Num: 84

Candidate Starts for Melons_11:

(38, 7771), (49, 7828), (Start: 84 @7903 has 55 MA's), (156, 8029), (167, 8056), (202, 8116), (203, 8119), (209, 8137), (225, 8164), (241, 8215),

Gene: Melville_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Melville_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: MiaZeal_24 Start: 14314, Stop: 14658, Start Num: 54

Candidate Starts for MiaZeal_24:

(Start: 54 @14314 has 40 MA's), (74, 14344), (111, 14410), (179, 14521), (181, 14524), (198, 14548), (241, 14626), (249, 14653),

Gene: MichelleMyBell_9 Start: 6478, Stop: 6819, Start Num: 53

Candidate Starts for MichelleMyBell_9:

(Start: 53 @6478 has 179 MA's), (74, 6508), (147, 6631), (179, 6682), (233, 6766), (241, 6787),

Gene: Milomuff_10 Start: 7711, Stop: 8040, Start Num: 85

Candidate Starts for Milomuff_10:

(Start: 85 @7711 has 166 MA's), (Start: 95 @7726 has 36 MA's), (225, 7963), (241, 8008),

Gene: Mindy_16 Start: 10036, Stop: 10371, Start Num: 53

Candidate Starts for Mindy_16:

(Start: 53 @10036 has 179 MA's), (102, 10117), (115, 10138), (176, 10231), (225, 10294), (243, 10345),

Gene: Minerva_26 Start: 16619, Stop: 16963, Start Num: 54

Candidate Starts for Minerva_26:

(Start: 54 @16619 has 40 MA's), (74, 16649), (141, 16763), (179, 16826), (181, 16829),

Gene: Miniwave_16 Start: 10455, Stop: 10790, Start Num: 53

Candidate Starts for Miniwave_16:

(Start: 53 @10455 has 179 MA's), (102, 10536), (115, 10557), (176, 10650), (225, 10713), (243, 10764),

Gene: MintFen_9 Start: 6959, Stop: 7321, Start Num: 98

Candidate Starts for MintFen_9:

(9, 6623), (81, 6932), (Start: 98 @6959 has 59 MA's), (111, 6983), (123, 7001), (128, 7007), (142, 7037), (169, 7088), (194, 7148),

Gene: Mireles_11 Start: 6916, Stop: 7233, Start Num: 62

Candidate Starts for Mireles_11:

(52, 6901), (Start: 62 @6916 has 7 MA's), (225, 7165),

Gene: Misaeng_12 Start: 9868, Stop: 10206, Start Num: 85

Candidate Starts for Misaeng_12:

(Start: 85 @9868 has 166 MA's), (195, 10057), (228, 10135), (240, 10165), (245, 10186),

Gene: Misfit_15 Start: 9811, Stop: 10146, Start Num: 53

Candidate Starts for Misfit_15:

(Start: 53 @9811 has 179 MA's), (102, 9892), (176, 10006), (203, 10057), (225, 10069), (243, 10120),

Gene: MissRona_9 Start: 6835, Stop: 7194, Start Num: 98

Candidate Starts for MissRona_9:

(9, 6499), (Start: 98 @6835 has 59 MA's), (111, 6859), (123, 6877), (161, 6943), (169, 6961), (194, 7021),

Gene: Moki_8 Start: 6907, Stop: 7245, Start Num: 85

Candidate Starts for Moki_8:

(Start: 85 @6907 has 166 MA's), (108, 6940), (240, 7204),

Gene: Moldemort_16 Start: 9469, Stop: 9804, Start Num: 53

Candidate Starts for Moldemort_16:

(Start: 53 @9469 has 179 MA's), (102, 9550), (176, 9664), (203, 9715), (225, 9727), (243, 9778),

Gene: MollyToe_16 Start: 10429, Stop: 10764, Start Num: 53

Candidate Starts for MollyToe_16:

(Start: 53 @10429 has 179 MA's), (102, 10510), (176, 10624), (203, 10675), (225, 10687), (243, 10738),

Gene: Mollymur_21 Start: 14469, Stop: 14798, Start Num: 107

Candidate Starts for Mollymur_21:

(70, 14397), (Start: 98 @14454 has 59 MA's), (Start: 107 @14469 has 3 MA's), (152, 14562), (197, 14643), (211, 14685), (231, 14733),

Gene: MooMoo_8 Start: 5816, Stop: 6202, Start Num: 58

Candidate Starts for MooMoo_8:

(29, 5720), (Start: 58 @5816 has 33 MA's), (74, 5846), (111, 5909), (179, 6020), (243, 6176), (244, 6179),

Gene: Moonflower_10 Start: 7270, Stop: 7605, Start Num: 95

Candidate Starts for Moonflower_10:

(Start: 95 @7270 has 36 MA's), (154, 7372), (187, 7435), (192, 7444), (197, 7456), (203, 7474), (213, 7492), (215, 7495), (245, 7588),

Gene: Mori_42 Start: 21924, Stop: 22283, Start Num: 58

Candidate Starts for Mori_42:

(Start: 58 @21924 has 33 MA's), (74, 21954), (104, 22005), (111, 22017), (150, 22083), (203, 22191), (228, 22215),

Gene: Mosby_15 Start: 9765, Stop: 10100, Start Num: 53

Candidate Starts for Mosby_15:

(Start: 53 @9765 has 179 MA's), (102, 9846), (115, 9867), (176, 9960), (225, 10023), (243, 10074),

Gene: Moyashi_8 Start: 6116, Stop: 6463, Start Num: 88

Candidate Starts for Moyashi_8:

(32, 5960), (34, 5966), (35, 5969), (36, 5972), (41, 6011), (45, 6020), (56, 6053), (Start: 88 @6116 has 45 MA's), (106, 6146), (108, 6149), (132, 6191), (144, 6221), (152, 6233), (191, 6305), (200, 6326), (222, 6368), (230, 6395), (236, 6410), (245, 6443),

Gene: MrAK_8 Start: 6125, Stop: 6472, Start Num: 88

Candidate Starts for MrAK_8:

(56, 6062), (Start: 88 @6125 has 45 MA's), (106, 6155), (108, 6158), (132, 6200), (144, 6230), (152, 6242), (191, 6314), (222, 6377), (230, 6404), (236, 6419), (245, 6452),

Gene: MrBoss_12 Start: 9790, Stop: 10128, Start Num: 85

Candidate Starts for MrBoss_12:

(Start: 85 @9790 has 166 MA's), (108, 9823),

Gene: MrGloopy_12 Start: 9753, Stop: 10091, Start Num: 85

Candidate Starts for MrGloopy_12:

(Start: 85 @9753 has 166 MA's), (228, 10020), (240, 10050),

Gene: MsUbiquitous_9 Start: 7302, Stop: 7631, Start Num: 85

Candidate Starts for MsUbiquitous_9:

(22, 7062), (44, 7206), (Start: 85 @7302 has 166 MA's), (Start: 95 @7317 has 36 MA's), (143, 7401), (225, 7554), (241, 7599), (243, 7605),

Gene: Mulch_13 Start: 8626, Stop: 8946, Start Num: 95

Candidate Starts for Mulch_13:

(7, 8281), (80, 8599), (Start: 95 @8626 has 36 MA's), (108, 8644), (140, 8701), (159, 8734), (192, 8788), (195, 8794), (197, 8800), (203, 8818), (216, 8842), (241, 8917),

Gene: Murai_43 Start: 22114, Stop: 22473, Start Num: 58

Candidate Starts for Murai_43:

(Start: 58 @22114 has 33 MA's), (74, 22144), (104, 22195), (111, 22207), (150, 22273), (203, 22381), (228, 22405),

Gene: Murica_14 Start: 9723, Stop: 10058, Start Num: 53
Candidate Starts for Murica_14:
(Start: 53 @9723 has 179 MA's), (102, 9804), (176, 9918), (203, 9969), (225, 9981), (243, 10032),

Gene: Murp_9 Start: 7000, Stop: 7362, Start Num: 98
Candidate Starts for Murp_9:
(9, 6664), (81, 6973), (Start: 98 @7000 has 59 MA's), (111, 7024), (128, 7048), (142, 7078), (161, 7111), (194, 7189),

Gene: Murphy_15 Start: 9186, Stop: 9521, Start Num: 53
Candidate Starts for Murphy_15:
(Start: 53 @9186 has 179 MA's), (102, 9267), (176, 9381), (203, 9432), (225, 9444), (243, 9495),

Gene: Myrale_16 Start: 10128, Stop: 10463, Start Num: 53
Candidate Starts for Myrale_16:
(Start: 53 @10128 has 179 MA's), (102, 10209), (115, 10230), (176, 10323), (225, 10386), (243, 10437),

Gene: NaLuna_9 Start: 6877, Stop: 7212, Start Num: 95
Candidate Starts for NaLuna_9:
(Start: 95 @6877 has 36 MA's), (140, 6955), (195, 7048), (199, 7060), (208, 7087),

Gene: Nadeem_13 Start: 8626, Stop: 8946, Start Num: 95
Candidate Starts for Nadeem_13:
(7, 8281), (80, 8599), (Start: 95 @8626 has 36 MA's), (108, 8644), (140, 8701), (159, 8734), (192, 8788), (195, 8794), (197, 8800), (203, 8818), (216, 8842), (241, 8917),

Gene: Nala_15 Start: 9765, Stop: 10100, Start Num: 53
Candidate Starts for Nala_15:
(Start: 53 @9765 has 179 MA's), (102, 9846), (115, 9867), (176, 9960), (225, 10023), (243, 10074),

Gene: Nancia_8 Start: 6905, Stop: 7243, Start Num: 85
Candidate Starts for Nancia_8:
(Start: 85 @6905 has 166 MA's), (108, 6938), (240, 7202),

Gene: NancyRae_13 Start: 8626, Stop: 8946, Start Num: 95
Candidate Starts for NancyRae_13:
(7, 8281), (80, 8599), (Start: 95 @8626 has 36 MA's), (108, 8644), (140, 8701), (159, 8734), (192, 8788), (195, 8794), (197, 8800), (203, 8818), (216, 8842), (241, 8917),

Gene: Nekros_24 Start: 16560, Stop: 16904, Start Num: 54
Candidate Starts for Nekros_24:
(Start: 54 @16560 has 40 MA's), (74, 16590), (111, 16656), (179, 16767), (181, 16770), (198, 16794), (241, 16872), (249, 16899),

Gene: NelitzaMV_16 Start: 10327, Stop: 10662, Start Num: 53
Candidate Starts for NelitzaMV_16:
(Start: 53 @10327 has 179 MA's), (102, 10408), (115, 10429), (176, 10522), (225, 10585), (243, 10636),

Gene: Nenae_9 Start: 6479, Stop: 6823, Start Num: 53
Candidate Starts for Nenae_9:

(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: Neroxid_9 Start: 5943, Stop: 6326, Start Num: 71

Candidate Starts for Neroxid_9:

(71, 5943), (Start: 83 @5973 has 1 MA's), (100, 5997), (114, 6021), (122, 6036), (152, 6093), (182, 6144), (184, 6150), (198, 6180), (207, 6207), (208, 6210), (225, 6237), (241, 6294),

Gene: Nesbitt_9 Start: 7263, Stop: 7604, Start Num: 97

Candidate Starts for Nesbitt_9:

(Start: 97 @7263 has 4 MA's), (106, 7275), (214, 7497), (220, 7512), (241, 7572), (248, 7593),

Gene: Neuville_11 Start: 7129, Stop: 7464, Start Num: 59

Candidate Starts for Neuville_11:

(Start: 59 @7129 has 6 MA's), (75, 7159), (225, 7381),

Gene: Niblet_10 Start: 7688, Stop: 8029, Start Num: 84

Candidate Starts for Niblet_10:

(38, 7556), (49, 7613), (82, 7685), (Start: 84 @7688 has 55 MA's), (87, 7691), (112, 7733), (145, 7796), (146, 7799), (156, 7814), (209, 7922), (225, 7949), (229, 7964), (230, 7967), (241, 8000),

Gene: Nibley_19 Start: 13242, Stop: 13586, Start Num: 54

Candidate Starts for Nibley_19:

(Start: 54 @13242 has 40 MA's), (74, 13272), (111, 13338), (179, 13449), (181, 13452), (198, 13476), (241, 13554), (249, 13581),

Gene: Nicky22_10 Start: 7773, Stop: 8102, Start Num: 85

Candidate Starts for Nicky22_10:

(22, 7533), (44, 7677), (Start: 85 @7773 has 166 MA's), (Start: 95 @7788 has 36 MA's), (143, 7872), (208, 7995), (225, 8025), (241, 8070),

Gene: NiebruSaylor_42 Start: 21925, Stop: 22284, Start Num: 58

Candidate Starts for NiebruSaylor_42:

(Start: 58 @21925 has 33 MA's), (74, 21955), (104, 22006), (111, 22018), (150, 22084), (203, 22192), (228, 22216),

Gene: NihilNomen_25 Start: 16616, Stop: 16960, Start Num: 54

Candidate Starts for NihilNomen_25:

(36, 16550), (Start: 54 @16616 has 40 MA's), (74, 16646), (141, 16760), (179, 16823), (181, 16826),

Gene: Nimrod_15 Start: 9966, Stop: 10301, Start Num: 53

Candidate Starts for Nimrod_15:

(Start: 53 @9966 has 179 MA's), (102, 10047), (176, 10161), (203, 10212), (225, 10224), (243, 10275),

Gene: NoSleep_16 Start: 9466, Stop: 9801, Start Num: 53

Candidate Starts for NoSleep_16:

(Start: 53 @9466 has 179 MA's), (102, 9547), (176, 9661), (203, 9712), (225, 9724), (243, 9775),

Gene: NonchalantPear_15 Start: 9419, Stop: 9754, Start Num: 53

Candidate Starts for NonchalantPear_15:

(Start: 53 @9419 has 179 MA's), (102, 9500), (176, 9614), (203, 9665), (225, 9677), (243, 9728),

Gene: Nubia_12 Start: 9782, Stop: 10120, Start Num: 85

Candidate Starts for Nubia_12:

(Start: 85 @9782 has 166 MA's), (160, 9914), (195, 9971), (226, 10040), (228, 10049), (240, 10079),

Gene: OMalley_8 Start: 6923, Stop: 7261, Start Num: 85

Candidate Starts for OMalley_8:

(Start: 85 @6923 has 166 MA's), (108, 6956), (130, 6995), (169, 7076), (226, 7181), (228, 7190),

Gene: Obliviate_9 Start: 6983, Stop: 7345, Start Num: 98

Candidate Starts for Obliviate_9:

(9, 6647), (81, 6956), (Start: 98 @6983 has 59 MA's), (111, 7007), (128, 7031), (142, 7061), (161, 7094), (169, 7112), (194, 7172),

Gene: Odette_25 Start: 16097, Stop: 16441, Start Num: 54

Candidate Starts for Odette_25:

(Start: 54 @16097 has 40 MA's), (74, 16127), (141, 16241), (179, 16304), (181, 16307),

Gene: Olliecat_9 Start: 7556, Stop: 7885, Start Num: 85

Candidate Starts for Olliecat_9:

(Start: 85 @7556 has 166 MA's), (Start: 95 @7571 has 36 MA's), (117, 7604), (121, 7610), (134, 7631), (187, 7727), (225, 7808), (238, 7841),

Gene: Omega_26 Start: 18240, Stop: 18584, Start Num: 54

Candidate Starts for Omega_26:

(Start: 54 @18240 has 40 MA's), (74, 18270), (111, 18336), (141, 18384), (179, 18447), (181, 18450), (198, 18474), (241, 18552), (249, 18579),

Gene: Opie_9 Start: 7220, Stop: 7555, Start Num: 95

Candidate Starts for Opie_9:

(94, 7217), (Start: 95 @7220 has 36 MA's), (109, 7241), (208, 7430),

Gene: Oppalora_9 Start: 7312, Stop: 7650, Start Num: 84

Candidate Starts for Oppalora_9:

(12, 7018), (25, 7105), (39, 7189), (66, 7273), (Start: 84 @7312 has 55 MA's), (112, 7357), (129, 7381), (146, 7423), (156, 7438), (184, 7483), (187, 7489), (202, 7522), (225, 7570), (230, 7588),

Gene: Optimus_24 Start: 16194, Stop: 16538, Start Num: 54

Candidate Starts for Optimus_24:

(Start: 54 @16194 has 40 MA's), (74, 16224), (179, 16401), (181, 16404),

Gene: Orcanus_10 Start: 7692, Stop: 8033, Start Num: 84

Candidate Starts for Orcanus_10:

(Start: 84 @7692 has 55 MA's), (87, 7695), (112, 7737), (145, 7800), (146, 7803), (156, 7818), (209, 7926), (225, 7953), (241, 8004), (243, 8010),

Gene: OrionPax_16 Start: 9469, Stop: 9804, Start Num: 53

Candidate Starts for OrionPax_16:

(Start: 53 @9469 has 179 MA's), (102, 9550), (176, 9664), (203, 9715), (225, 9727), (243, 9778),

Gene: OtsoOtso_10 Start: 7742, Stop: 8083, Start Num: 84

Candidate Starts for OtsoOtso_10:

(38, 7610), (49, 7667), (Start: 84 @7742 has 55 MA's), (156, 7868), (167, 7895), (202, 7955), (203, 7958), (209, 7976), (225, 8003), (241, 8054),

Gene: OurGirlNessie_8 Start: 6896, Stop: 7234, Start Num: 85

Candidate Starts for OurGirlNessie_8:

(Start: 85 @6896 has 166 MA's), (108, 6929), (240, 7193),

Gene: Ouroboros_8 Start: 6099, Stop: 6446, Start Num: 88

Candidate Starts for Ouroboros_8:

(56, 6036), (73, 6072), (76, 6075), (Start: 88 @6099 has 45 MA's), (106, 6129), (108, 6132), (144, 6204), (152, 6216), (191, 6288), (200, 6309), (222, 6351), (230, 6378), (236, 6393), (245, 6426),

Gene: Oxyntfriu_12 Start: 9795, Stop: 10133, Start Num: 85

Candidate Starts for Oxyntfriu_12:

(Start: 85 @9795 has 166 MA's), (160, 9927), (195, 9984), (240, 10092),

Gene: P1.1_8 Start: 6099, Stop: 6446, Start Num: 88

Candidate Starts for P1.1_8:

(32, 5943), (34, 5949), (35, 5952), (36, 5955), (41, 5994), (45, 6003), (56, 6036), (Start: 88 @6099 has 45 MA's), (108, 6132), (144, 6204), (152, 6216), (191, 6288), (200, 6309), (222, 6351), (229, 6375), (230, 6378), (236, 6393), (245, 6426),

Gene: P100.1_8 Start: 6089, Stop: 6436, Start Num: 88

Candidate Starts for P100.1_8:

(56, 6026), (Start: 88 @6089 has 45 MA's), (106, 6119), (108, 6122), (132, 6164), (144, 6194), (152, 6206), (191, 6278), (222, 6341), (230, 6368), (236, 6383), (245, 6416),

Gene: P100A_8 Start: 6111, Stop: 6458, Start Num: 88

Candidate Starts for P100A_8:

(48, 6027), (56, 6048), (73, 6084), (76, 6087), (Start: 88 @6111 has 45 MA's), (106, 6141), (108, 6144), (144, 6216), (152, 6228), (162, 6246), (191, 6300), (193, 6303), (222, 6363), (229, 6387), (230, 6390), (236, 6405), (245, 6438),

Gene: P100D_8 Start: 6093, Stop: 6440, Start Num: 88

Candidate Starts for P100D_8:

(56, 6030), (Start: 88 @6093 has 45 MA's), (106, 6123), (108, 6126), (132, 6168), (144, 6198), (152, 6210), (191, 6282), (222, 6345), (229, 6369), (230, 6372), (236, 6387), (245, 6420),

Gene: P101A_8 Start: 6092, Stop: 6439, Start Num: 88

Candidate Starts for P101A_8:

(32, 5936), (34, 5942), (35, 5945), (36, 5948), (41, 5987), (45, 5996), (56, 6029), (Start: 88 @6092 has 45 MA's), (106, 6122), (108, 6125), (132, 6167), (144, 6197), (152, 6209), (191, 6281), (222, 6344), (229, 6368), (230, 6371), (236, 6386), (245, 6419),

Gene: P104A_8 Start: 6094, Stop: 6441, Start Num: 88

Candidate Starts for P104A_8:

(56, 6031), (Start: 88 @6094 has 45 MA's), (106, 6124), (108, 6127), (132, 6169), (144, 6199), (152, 6211), (191, 6283), (222, 6346), (230, 6373), (236, 6388), (245, 6421),

Gene: P104B_8 Start: 6098, Stop: 6445, Start Num: 88

Candidate Starts for P104B_8:

(56, 6035), (Start: 88 @6098 has 45 MA's), (106, 6128), (108, 6131), (144, 6203), (152, 6215), (191, 6287), (200, 6308), (222, 6350), (229, 6374), (230, 6377), (236, 6392), (245, 6425),

Gene: P105_8 Start: 6088, Stop: 6435, Start Num: 88

Candidate Starts for P105_8:

(56, 6025), (Start: 88 @6088 has 45 MA's), (106, 6118), (108, 6121), (132, 6163), (144, 6193), (152, 6205), (191, 6277), (200, 6298), (214, 6337), (222, 6340), (229, 6364), (230, 6367), (236, 6382), (245, 6415),

Gene: P106A_8 Start: 6116, Stop: 6463, Start Num: 88

Candidate Starts for P106A_8:

(32, 5960), (34, 5966), (35, 5969), (36, 5972), (45, 6020), (56, 6053), (Start: 88 @6116 has 45 MA's), (106, 6146), (108, 6149), (132, 6191), (144, 6221), (152, 6233), (191, 6305), (200, 6326), (222, 6368), (230, 6395), (236, 6410), (245, 6443),

Gene: P106C_8 Start: 6116, Stop: 6463, Start Num: 88

Candidate Starts for P106C_8:

(32, 5960), (34, 5966), (35, 5969), (36, 5972), (45, 6020), (56, 6053), (Start: 88 @6116 has 45 MA's), (106, 6146), (108, 6149), (132, 6191), (144, 6221), (152, 6233), (191, 6305), (200, 6326), (222, 6368), (230, 6395), (236, 6410), (245, 6443),

Gene: P106I_8 Start: 6116, Stop: 6463, Start Num: 88

Candidate Starts for P106I_8:

(32, 5960), (34, 5966), (35, 5969), (36, 5972), (45, 6020), (56, 6053), (Start: 88 @6116 has 45 MA's), (106, 6146), (108, 6149), (132, 6191), (144, 6221), (152, 6233), (191, 6305), (200, 6326), (222, 6368), (230, 6395), (236, 6410), (245, 6443),

Gene: P106L_8 Start: 6116, Stop: 6463, Start Num: 88

Candidate Starts for P106L_8:

(32, 5960), (34, 5966), (35, 5969), (36, 5972), (45, 6020), (56, 6053), (Start: 88 @6116 has 45 MA's), (106, 6146), (108, 6149), (132, 6191), (144, 6221), (152, 6233), (191, 6305), (200, 6326), (222, 6368), (230, 6395), (236, 6410), (245, 6443),

Gene: P106M_8 Start: 6116, Stop: 6463, Start Num: 88

Candidate Starts for P106M_8:

(32, 5960), (34, 5966), (35, 5969), (36, 5972), (45, 6020), (56, 6053), (Start: 88 @6116 has 45 MA's), (106, 6146), (108, 6149), (132, 6191), (144, 6221), (152, 6233), (191, 6305), (200, 6326), (222, 6368), (230, 6395), (236, 6410), (245, 6443),

Gene: P107A_8 Start: 6102, Stop: 6449, Start Num: 88

Candidate Starts for P107A_8:

(56, 6039), (76, 6078), (Start: 88 @6102 has 45 MA's), (106, 6132), (108, 6135), (144, 6207), (152, 6219), (162, 6237), (191, 6291), (193, 6294), (200, 6312), (222, 6354), (229, 6378), (230, 6381), (236, 6396), (245, 6429),

Gene: P107C_8 Start: 6098, Stop: 6445, Start Num: 88

Candidate Starts for P107C_8:

(56, 6035), (Start: 88 @6098 has 45 MA's), (106, 6128), (108, 6131), (132, 6173), (144, 6203), (152, 6215), (191, 6287), (200, 6308), (222, 6350), (229, 6374), (230, 6377), (236, 6392), (245, 6425),

Gene: P108C_8 Start: 6102, Stop: 6449, Start Num: 88

Candidate Starts for P108C_8:

(56, 6039), (Start: 88 @6102 has 45 MA's), (106, 6132), (108, 6135), (132, 6177), (152, 6219), (191, 6291), (200, 6312), (222, 6354), (229, 6378), (230, 6381), (236, 6396), (245, 6429),

Gene: P14.4_8 Start: 6093, Stop: 6440, Start Num: 88

Candidate Starts for P14.4_8:

(56, 6030), (Start: 88 @6093 has 45 MA's), (106, 6123), (108, 6126), (132, 6168), (144, 6198), (152, 6210), (191, 6282), (200, 6303), (222, 6345), (230, 6372), (236, 6387), (245, 6420),

Gene: P9.1_8 Start: 6091, Stop: 6438, Start Num: 88

Candidate Starts for P9.1_8:

(Start: 88 @6091 has 45 MA's), (106, 6121), (108, 6124), (132, 6166), (144, 6196), (152, 6208), (191, 6280), (200, 6301), (222, 6343), (229, 6367), (230, 6370), (236, 6385), (245, 6418),

Gene: PA6_8 Start: 6101, Stop: 6448, Start Num: 88

Candidate Starts for PA6_8:

(56, 6038), (73, 6074), (Start: 88 @6101 has 45 MA's), (106, 6131), (108, 6134), (132, 6176), (144, 6206), (152, 6218), (191, 6290), (200, 6311), (214, 6350), (230, 6380), (236, 6395), (245, 6428),

Gene: PAD20_8 Start: 6099, Stop: 6446, Start Num: 88

Candidate Starts for PAD20_8:

(Start: 88 @6099 has 45 MA's), (106, 6129), (108, 6132), (144, 6204), (152, 6216), (191, 6288), (222, 6351), (229, 6375), (230, 6378), (236, 6393), (245, 6426),

Gene: PAS50_8 Start: 6096, Stop: 6443, Start Num: 88

Candidate Starts for PAS50_8:

(56, 6033), (Start: 88 @6096 has 45 MA's), (106, 6126), (108, 6129), (132, 6171), (144, 6201), (152, 6213), (162, 6231), (191, 6285), (200, 6306), (222, 6348), (229, 6372), (230, 6375), (236, 6390), (245, 6423),

Gene: PCoral7_9 Start: 6937, Stop: 7305, Start Num: 98

Candidate Starts for PCoral7_9:

(9, 6607), (Start: 98 @6937 has 59 MA's), (113, 6961), (118, 6967), (153, 7039), (161, 7054), (169, 7072), (194, 7132), (197, 7141),

Gene: PFR1_07 Start: 6932, Stop: 7273, Start Num: 113

Candidate Starts for PFR1_07:

(68, 6845), (113, 6932), (124, 6950), (151, 7010), (161, 7028), (165, 7037), (187, 7091), (188, 7094), (195, 7106), (198, 7115), (199, 7118), (203, 7130), (205, 7136), (229, 7196), (235, 7217), (241, 7241),

Gene: PFR2_07 Start: 6932, Stop: 7273, Start Num: 113

Candidate Starts for PFR2_07:

(68, 6845), (113, 6932), (124, 6950), (151, 7010), (161, 7028), (165, 7037), (187, 7091), (188, 7094), (195, 7106), (198, 7115), (199, 7118), (203, 7130), (205, 7136), (229, 7196), (235, 7217), (241, 7241),

Gene: PHL010M04_08 Start: 6091, Stop: 6438, Start Num: 88

Candidate Starts for PHL010M04_08:

(32, 5935), (34, 5941), (36, 5947), (41, 5986), (45, 5995), (56, 6028), (Start: 88 @6091 has 45 MA's), (106, 6121), (108, 6124), (144, 6196), (152, 6208), (162, 6226), (191, 6280), (222, 6343), (229, 6367), (230, 6370), (236, 6385), (245, 6418),

Gene: PHL037M02_08 Start: 6097, Stop: 6444, Start Num: 88

Candidate Starts for PHL037M02_08:

(56, 6034), (Start: 88 @6097 has 45 MA's), (106, 6127), (108, 6130), (125, 6160), (144, 6202), (152, 6214), (191, 6286), (200, 6307), (214, 6346), (222, 6349), (230, 6376), (236, 6391), (245, 6424),

Gene: PHL060L00_08 Start: 6089, Stop: 6436, Start Num: 88

Candidate Starts for PHL060L00_08:

(32, 5933), (34, 5939), (35, 5942), (36, 5945), (41, 5984), (45, 5993), (56, 6026), (Start: 88 @6089 has 45 MA's), (106, 6119), (108, 6122), (132, 6164), (144, 6194), (152, 6206), (191, 6278), (200, 6299), (222, 6341), (229, 6365), (230, 6368), (236, 6383), (245, 6416),

Gene: PHL067M10_08 Start: 6093, Stop: 6440, Start Num: 88

Candidate Starts for PHL067M10_08:

(56, 6030), (Start: 88 @6093 has 45 MA's), (106, 6123), (108, 6126), (132, 6168), (144, 6198), (152, 6210), (191, 6282), (214, 6342), (222, 6345), (230, 6372), (236, 6387), (245, 6420),

Gene: PHL071N05_08 Start: 6095, Stop: 6442, Start Num: 88

Candidate Starts for PHL071N05_08:

(56, 6032), (Start: 88 @6095 has 45 MA's), (106, 6125), (108, 6128), (132, 6170), (152, 6212), (191, 6284), (200, 6305), (222, 6347), (229, 6371), (230, 6374), (236, 6389), (245, 6422),

Gene: PHL111M01_08 Start: 6099, Stop: 6446, Start Num: 88

Candidate Starts for PHL111M01_08:

(56, 6036), (Start: 88 @6099 has 45 MA's), (106, 6129), (108, 6132), (144, 6204), (152, 6216), (191, 6288), (222, 6351), (229, 6375), (230, 6378), (236, 6393), (245, 6426),

Gene: PHL112N00_08 Start: 6099, Stop: 6446, Start Num: 88

Candidate Starts for PHL112N00_08:

(56, 6036), (57, 6039), (Start: 88 @6099 has 45 MA's), (106, 6129), (108, 6132), (144, 6204), (152, 6216), (191, 6288), (200, 6309), (214, 6348), (222, 6351), (230, 6378), (236, 6393), (245, 6426),

Gene: PHL113M01_08 Start: 6099, Stop: 6446, Start Num: 88

Candidate Starts for PHL113M01_08:

(56, 6036), (Start: 88 @6099 has 45 MA's), (106, 6129), (108, 6132), (144, 6204), (152, 6216), (191, 6288), (200, 6309), (222, 6351), (230, 6378), (236, 6393), (245, 6426),

Gene: PHL114L00_08 Start: 6098, Stop: 6445, Start Num: 88

Candidate Starts for PHL114L00_08:

(33, 5945), (35, 5951), (36, 5954), (41, 5993), (42, 5996), (56, 6035), (76, 6074), (Start: 88 @6098 has 45 MA's), (104, 6125), (106, 6128), (108, 6131), (132, 6173), (144, 6203), (152, 6215), (222, 6350), (230, 6377), (236, 6392), (245, 6425),

Gene: PaddyBaddy_16 Start: 9479, Stop: 9814, Start Num: 53

Candidate Starts for PaddyBaddy_16:

(Start: 53 @9479 has 179 MA's), (102, 9560), (176, 9674), (203, 9725), (225, 9737), (243, 9788),

Gene: PaintedDog_9 Start: 7076, Stop: 7468, Start Num: 55

Candidate Starts for PaintedDog_9:

(10, 6827), (37, 7004), (Start: 55 @7076 has 9 MA's), (74, 7112), (111, 7175), (115, 7181), (150, 7241), (179, 7286), (229, 7403), (240, 7427), (241, 7436), (244, 7445),

Gene: Palpatine_15 Start: 9762, Stop: 10097, Start Num: 53

Candidate Starts for Palpatine_15:

(Start: 53 @9762 has 179 MA's), (102, 9843), (115, 9864), (176, 9957), (225, 10020), (243, 10071),

Gene: Panchino_9 Start: 6455, Stop: 6799, Start Num: 53

Candidate Starts for Panchino_9:

(32, 6377), (Start: 53 @6455 has 179 MA's), (74, 6488), (115, 6557), (147, 6611), (157, 6626), (158, 6629), (178, 6659), (179, 6662), (233, 6746), (241, 6767),

Gene: Paperbeatsrock_17 Start: 10701, Stop: 11036, Start Num: 53

Candidate Starts for Paperbeatsrock_17:

(Start: 53 @10701 has 179 MA's), (102, 10782), (176, 10896), (203, 10947), (225, 10959), (243, 11010),

Gene: Parada_13 Start: 8626, Stop: 8946, Start Num: 95

Candidate Starts for Parada_13:

(7, 8281), (80, 8599), (Start: 95 @8626 has 36 MA's), (108, 8644), (140, 8701), (159, 8734), (192, 8788), (195, 8794), (197, 8800), (203, 8818), (216, 8842), (241, 8917),

Gene: Parmesanjohn_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Parmesanjohn_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: PartyCup_12 Start: 9837, Stop: 10175, Start Num: 85

Candidate Starts for PartyCup_12:

(Start: 85 @9837 has 166 MA's), (108, 9870),

Gene: PastaFagioli_9 Start: 7400, Stop: 7729, Start Num: 85

Candidate Starts for PastaFagioli_9:

(Start: 85 @7400 has 166 MA's), (Start: 95 @7415 has 36 MA's), (208, 7622), (225, 7652), (238, 7685), (241, 7697),

Gene: Pat3_15 Start: 8969, Stop: 9304, Start Num: 53

Candidate Starts for Pat3_15:

(Start: 53 @8969 has 179 MA's), (102, 9050), (176, 9164), (203, 9215), (225, 9227), (243, 9278),

Gene: PatriciaStar_9 Start: 6883, Stop: 7218, Start Num: 95

Candidate Starts for PatriciaStar_9:

(Start: 95 @6883 has 36 MA's), (154, 6985), (187, 7048), (192, 7057), (197, 7069), (203, 7087), (215, 7108),

Gene: Pecas_9 Start: 7323, Stop: 7652, Start Num: 85

Candidate Starts for Pecas_9:

(22, 7083), (44, 7227), (Start: 85 @7323 has 166 MA's), (Start: 95 @7338 has 36 MA's), (143, 7422), (225, 7575), (241, 7620), (243, 7626),

Gene: Pelletreau_11 Start: 7898, Stop: 8239, Start Num: 84

Candidate Starts for Pelletreau_11:

(Start: 84 @7898 has 55 MA's), (87, 7901), (112, 7943), (145, 8006), (146, 8009), (156, 8024), (209, 8132), (225, 8159), (241, 8210),

Gene: Petra_9 Start: 6865, Stop: 7227, Start Num: 98

Candidate Starts for Petra_9:

(9, 6529), (12, 6553), (Start: 98 @6865 has 59 MA's), (111, 6889), (128, 6913), (142, 6943), (161, 6976), (169, 6994), (194, 7054),

Gene: Petra64142_16 Start: 10182, Stop: 10517, Start Num: 53

Candidate Starts for Petra64142_16:

(Start: 53 @10182 has 179 MA's), (102, 10263), (176, 10377), (203, 10428), (225, 10440), (243, 10491),

Gene: Phaja_15 Start: 9917, Stop: 10252, Start Num: 53

Candidate Starts for Phaja_15:

(Start: 53 @9917 has 179 MA's), (102, 9998), (115, 10019), (176, 10112), (225, 10175), (243, 10226),

Gene: PhancyPhin_9 Start: 6479, Stop: 6823, Start Num: 53

Candidate Starts for PhancyPhin_9:

(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: Pharsalus_16 Start: 10501, Stop: 10836, Start Num: 53

Candidate Starts for Pharsalus_16:

(Start: 53 @10501 has 179 MA's), (102, 10582), (176, 10696), (203, 10747), (225, 10759), (243, 10810),

Gene: PhatBacter_15 Start: 9767, Stop: 10102, Start Num: 53

Candidate Starts for PhatBacter_15:

(Start: 53 @9767 has 179 MA's), (102, 9848), (176, 9962), (203, 10013), (225, 10025), (243, 10076),

Gene: Phaux_14 Start: 9765, Stop: 10100, Start Num: 53

Candidate Starts for Phaux_14:

(Start: 53 @9765 has 179 MA's), (102, 9846), (115, 9867), (176, 9960), (225, 10023), (243, 10074),

Gene: PhigPhack_9 Start: 7354, Stop: 7683, Start Num: 85

Candidate Starts for PhigPhack_9:

(Start: 85 @7354 has 166 MA's), (Start: 95 @7369 has 36 MA's), (225, 7606), (241, 7651),

Gene: Philonius_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Philonius_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: PhirstandPhine_11 Start: 7903, Stop: 8244, Start Num: 84

Candidate Starts for PhirstandPhine_11:

(38, 7771), (49, 7828), (Start: 84 @7903 has 55 MA's), (156, 8029), (167, 8056), (202, 8116), (203, 8119), (209, 8137), (225, 8164), (241, 8215),

Gene: Phisb_9 Start: 7316, Stop: 7645, Start Num: 85

Candidate Starts for Phisb_9:

(22, 7076), (44, 7220), (Start: 85 @7316 has 166 MA's), (Start: 95 @7331 has 36 MA's), (225, 7568), (241, 7613), (243, 7619),

Gene: Phloss_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Phloss_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: PhluffyCoco_9 Start: 7312, Stop: 7650, Start Num: 84

Candidate Starts for PhluffyCoco_9:

(12, 7018), (25, 7105), (39, 7189), (66, 7273), (Start: 84 @7312 has 55 MA's), (112, 7357), (129, 7381), (146, 7423), (156, 7438), (184, 7483), (187, 7489), (202, 7522), (225, 7570),

Gene: Phoebus_26 Start: 16841, Stop: 17185, Start Num: 54

Candidate Starts for Phoebus_26:

(Start: 54 @16841 has 40 MA's), (74, 16871), (141, 16985), (179, 17048), (181, 17051),

Gene: Phrann_9 Start: 6479, Stop: 6823, Start Num: 53

Candidate Starts for Phrann_9:

(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: PhrostedPhlake_9 Start: 7040, Stop: 7402, Start Num: 98

Candidate Starts for PhrostedPhlake_9:

(9, 6704), (Start: 98 @7040 has 59 MA's), (111, 7064), (128, 7088), (142, 7118), (161, 7151), (169, 7169), (194, 7229),

Gene: Phrux_15 Start: 9465, Stop: 9800, Start Num: 53

Candidate Starts for Phrux_15:

(Start: 53 @9465 has 179 MA's), (102, 9546), (176, 9660), (203, 9711), (225, 9723), (243, 9774),

Gene: Pimento_14 Start: 8833, Stop: 9150, Start Num: 99

Candidate Starts for Pimento_14:

(7, 8485), (80, 8803), (Start: 95 @8830 has 36 MA's), (Start: 99 @8833 has 1 MA's), (108, 8848), (140, 8905), (159, 8938), (192, 8992), (195, 8998), (197, 9004), (203, 9022), (216, 9046), (241, 9121),

Gene: Pineda_11 Start: 7903, Stop: 8244, Start Num: 84

Candidate Starts for Pineda_11:

(38, 7771), (49, 7828), (Start: 84 @7903 has 55 MA's), (156, 8029), (167, 8056), (202, 8116), (203, 8119), (209, 8137), (225, 8164), (241, 8215),

Gene: PinkFriday_8 Start: 6926, Stop: 7264, Start Num: 85

Candidate Starts for PinkFriday_8:

(3, 6494), (19, 6674), (21, 6680), (Start: 85 @6926 has 166 MA's), (130, 6998), (138, 7013), (226, 7184), (245, 7244),

Gene: Pipp_10 Start: 7195, Stop: 7557, Start Num: 98

Candidate Starts for Pipp_10:

(20, 6931), (46, 7093), (Start: 85 @7174 has 166 MA's), (Start: 98 @7195 has 59 MA's), (111, 7219), (128, 7243), (142, 7273), (161, 7306), (169, 7324), (194, 7384), (207, 7423),

Gene: Pipsqueaks_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Pipsqueaks_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Pirate_8 Start: 6091, Stop: 6438, Start Num: 88

Candidate Starts for Pirate_8:

(56, 6028), (Start: 88 @6091 has 45 MA's), (106, 6121), (108, 6124), (132, 6166), (152, 6208), (191, 6280), (200, 6301), (222, 6343), (229, 6367), (230, 6370), (236, 6385), (245, 6418),

Gene: PitaDog_8 Start: 6896, Stop: 7234, Start Num: 85

Candidate Starts for PitaDog_8:

(Start: 85 @6896 has 166 MA's), (108, 6929), (240, 7193),

Gene: Policronamos_15 Start: 9767, Stop: 10102, Start Num: 53

Candidate Starts for Policronamos_15:

(Start: 53 @9767 has 179 MA's), (102, 9848), (176, 9962), (203, 10013), (225, 10025), (243, 10076),

Gene: Polka_10 Start: 7742, Stop: 8083, Start Num: 84

Candidate Starts for Polka_10:

(38, 7610), (49, 7667), (Start: 84 @7742 has 55 MA's), (156, 7868), (167, 7895), (202, 7955), (203, 7958), (209, 7976), (225, 8003), (241, 8054),

Gene: PondAmelia_10 Start: 7567, Stop: 7896, Start Num: 85

Candidate Starts for PondAmelia_10:

(11, 7270), (Start: 83 @7564 has 1 MA's), (Start: 85 @7567 has 166 MA's), (Start: 95 @7582 has 36 MA's), (225, 7819), (241, 7864),

Gene: Porcelain_24 Start: 14314, Stop: 14658, Start Num: 54

Candidate Starts for Porcelain_24:

(Start: 54 @14314 has 40 MA's), (74, 14344), (111, 14410), (179, 14521), (181, 14524), (198, 14548), (241, 14626), (249, 14653),

Gene: Porky_14 Start: 9039, Stop: 9374, Start Num: 53

Candidate Starts for Porky_14:

(Start: 53 @9039 has 179 MA's), (102, 9120), (176, 9234), (203, 9285), (225, 9297), (243, 9348),

Gene: Potatoes_12 Start: 9814, Stop: 10152, Start Num: 85

Candidate Starts for Potatoes_12:

(Start: 85 @9814 has 166 MA's), (194, 10000), (228, 10081), (240, 10111),

Gene: Pound_26 Start: 16933, Stop: 17277, Start Num: 54

Candidate Starts for Pound_26:

(Start: 54 @16933 has 40 MA's), (74, 16963), (141, 17077), (179, 17140), (181, 17143),

Gene: Preamble_8 Start: 6906, Stop: 7244, Start Num: 85

Candidate Starts for Preamble_8:

(3, 6477), (19, 6657), (21, 6663), (Start: 85 @6906 has 166 MA's), (240, 7203),

Gene: PrincePatrick_9 Start: 6938, Stop: 7306, Start Num: 98

Candidate Starts for PrincePatrick_9:

(Start: 98 @6938 has 59 MA's), (113, 6962), (118, 6968), (153, 7040), (161, 7055), (169, 7073), (173, 7088), (194, 7133), (197, 7142),

Gene: Procrass1_8 Start: 6098, Stop: 6445, Start Num: 88

Candidate Starts for Procrass1_8:

(56, 6035), (Start: 88 @6098 has 45 MA's), (106, 6128), (108, 6131), (144, 6203), (152, 6215), (191, 6287), (200, 6308), (222, 6350), (229, 6374), (230, 6377), (236, 6392), (245, 6425),

Gene: Pterodactyl_8 Start: 6897, Stop: 7235, Start Num: 85

Candidate Starts for Pterodactyl_8:

(Start: 85 @6897 has 166 MA's), (108, 6930), (240, 7194),

Gene: Ptowny_15 Start: 9106, Stop: 9441, Start Num: 53

Candidate Starts for Ptowny_15:

(Start: 53 @9106 has 179 MA's), (102, 9187), (176, 9301), (203, 9352), (225, 9364), (243, 9415),

Gene: Pumancara_8 Start: 6925, Stop: 7263, Start Num: 85

Candidate Starts for Pumancara_8:

(3, 6493), (19, 6673), (21, 6679), (Start: 85 @6925 has 166 MA's), (130, 6997), (226, 7183), (245, 7243),

Gene: Pumpkin_16 Start: 9282, Stop: 9617, Start Num: 53

Candidate Starts for Pumpkin_16:

(Start: 53 @9282 has 179 MA's), (102, 9363), (176, 9477), (203, 9528), (225, 9540), (243, 9591),

Gene: Purgamenstris_9 Start: 6479, Stop: 6823, Start Num: 53

Candidate Starts for Purgamenstris_9:

(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: QMacho_10 Start: 7806, Stop: 8135, Start Num: 85

Candidate Starts for QMacho_10:

(22, 7566), (44, 7710), (Start: 85 @7806 has 166 MA's), (Start: 95 @7821 has 36 MA's), (143, 7905), (225, 8058), (241, 8103), (243, 8109),

Gene: Quallification_17 Start: 10464, Stop: 10799, Start Num: 53

Candidate Starts for Quallification_17:

(Start: 53 @10464 has 179 MA's), (102, 10545), (115, 10566), (176, 10659), (225, 10722), (243, 10773),

Gene: QueenBey_8 Start: 6092, Stop: 6439, Start Num: 88

Candidate Starts for QueenBey_8:

(35, 5945), (36, 5948), (41, 5987), (42, 5990), (45, 5996), (48, 6008), (56, 6029), (76, 6068), (Start: 88 @6092 has 45 MA's), (106, 6122), (108, 6125), (125, 6155), (144, 6197), (152, 6209), (162, 6227), (191, 6281), (222, 6344), (229, 6368), (230, 6371), (236, 6386), (245, 6419),

Gene: QueenHazel_10 Start: 7532, Stop: 7927, Start Num: 55

Candidate Starts for QueenHazel_10:

(10, 7283), (37, 7460), (Start: 55 @7532 has 9 MA's), (74, 7568), (111, 7631), (115, 7637), (150, 7697), (179, 7742), (229, 7859), (240, 7886), (241, 7895), (244, 7904),

Gene: Quenya_10 Start: 7452, Stop: 7781, Start Num: 85

Candidate Starts for Quenya_10:

(2, 7023), (11, 7155), (Start: 85 @7452 has 166 MA's), (Start: 95 @7467 has 36 MA's), (119, 7503), (169, 7602), (208, 7674), (230, 7722), (238, 7737),

Gene: RAP15_12 Start: 9820, Stop: 10158, Start Num: 85

Candidate Starts for RAP15_12:

(28, 9655), (Start: 85 @9820 has 166 MA's), (194, 10006), (228, 10087), (240, 10117),

Gene: REQ2_09 Start: 6642, Stop: 6971, Start Num: 93

Candidate Starts for REQ2_09:

(40, 6519), (Start: 93 @6642 has 1 MA's), (113, 6672), (120, 6684), (131, 6702), (133, 6705), (156, 6747), (160, 6756), (169, 6774), (185, 6801), (237, 6918), (246, 6957),

Gene: Rakim_17 Start: 10371, Stop: 10706, Start Num: 53

Candidate Starts for Rakim_17:

(Start: 53 @10371 has 179 MA's), (102, 10452), (115, 10473), (176, 10566), (225, 10629), (243, 10680),

Gene: Rattail_9 Start: 7363, Stop: 7701, Start Num: 84

Candidate Starts for Rattail_9:

(Start: 84 @7363 has 55 MA's), (112, 7408), (129, 7432), (146, 7474), (156, 7489), (184, 7534), (187, 7540), (202, 7573), (225, 7621), (230, 7639),

Gene: RayTheFireFly_10 Start: 7271, Stop: 7606, Start Num: 95

Candidate Starts for RayTheFireFly_10:

(27, 7091), (Start: 95 @7271 has 36 MA's), (154, 7373), (187, 7436), (192, 7445), (197, 7457), (203, 7475), (213, 7493), (215, 7496), (245, 7589),

Gene: Raya_9 Start: 5943, Stop: 6326, Start Num: 71

Candidate Starts for Raya_9:

(71, 5943), (Start: 83 @5973 has 1 MA's), (100, 5997), (114, 6021), (122, 6036), (152, 6093), (182, 6144), (184, 6150), (198, 6180), (207, 6207), (208, 6210), (225, 6237), (241, 6294),

Gene: Raymond7_9 Start: 6479, Stop: 6823, Start Num: 53

Candidate Starts for Raymond7_9:

(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: RcigaStruga_12 Start: 9803, Stop: 10141, Start Num: 85

Candidate Starts for RcigaStruga_12:

(Start: 85 @9803 has 166 MA's), (Start: 101 @9827 has 1 MA's), (195, 9992), (228, 10070), (240, 10100), (245, 10121),

Gene: Rearden_21 Start: 13299, Stop: 13643, Start Num: 54

Candidate Starts for Rearden_21:

(Start: 54 @13299 has 40 MA's), (74, 13329), (111, 13395), (179, 13506), (181, 13509), (198, 13533), (241, 13611), (249, 13638),

Gene: Rebel_9 Start: 6479, Stop: 6823, Start Num: 53

Candidate Starts for Rebel_9:

(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: RedFox_9 Start: 7312, Stop: 7650, Start Num: 84

Candidate Starts for RedFox_9:

(12, 7018), (25, 7105), (39, 7189), (66, 7273), (Start: 84 @7312 has 55 MA's), (112, 7357), (129, 7381), (146, 7423), (156, 7438), (184, 7483), (187, 7489), (202, 7522), (225, 7570), (230, 7588),

Gene: Redi_9 Start: 6479, Stop: 6823, Start Num: 53

Candidate Starts for Redi_9:

(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: Redno2_25 Start: 16325, Stop: 16669, Start Num: 54

Candidate Starts for Redno2_25:

(Start: 54 @16325 has 40 MA's), (74, 16355), (141, 16469), (179, 16532), (181, 16535),

Gene: Renna12_10 Start: 7512, Stop: 7850, Start Num: 84

Candidate Starts for Renna12_10:

(39, 7389), (42, 7413), (Start: 84 @7512 has 55 MA's), (129, 7581), (146, 7623), (156, 7638), (184, 7683), (202, 7722), (203, 7725), (206, 7734), (221, 7758), (225, 7770), (230, 7788),

Gene: Rileysaurus_8 Start: 6087, Stop: 6434, Start Num: 88

Candidate Starts for Rileysaurus_8:

(32, 5931), (36, 5943), (41, 5982), (42, 5985), (45, 5991), (56, 6024), (76, 6063), (Start: 88 @6087 has 45 MA's), (106, 6117), (108, 6120), (144, 6192), (152, 6204), (191, 6276), (222, 6339), (229, 6363), (230, 6366), (236, 6381), (245, 6414),

Gene: Rimmer_15 Start: 9824, Stop: 10159, Start Num: 53

Candidate Starts for Rimmer_15:

(Start: 53 @9824 has 179 MA's), (102, 9905), (115, 9926), (176, 10019), (225, 10082), (243, 10133),

Gene: Riovina_8 Start: 6923, Stop: 7261, Start Num: 85

Candidate Starts for Riovina_8:

(Start: 85 @6923 has 166 MA's), (108, 6956), (130, 6995), (169, 7076), (226, 7181), (228, 7190),

Gene: RiverMonster_15 Start: 9479, Stop: 9814, Start Num: 53

Candidate Starts for RiverMonster_15:

(Start: 53 @9479 has 179 MA's), (102, 9560), (176, 9674), (203, 9725), (225, 9737), (243, 9788),

Gene: Riverdale_12 Start: 9751, Stop: 10089, Start Num: 85

Candidate Starts for Riverdale_12:

(Start: 85 @9751 has 166 MA's), (194, 9937), (228, 10018), (240, 10048),

Gene: Roberts_11 Start: 7129, Stop: 7464, Start Num: 59

Candidate Starts for Roberts_11:

(Start: 59 @7129 has 6 MA's), (75, 7159), (225, 7381),

Gene: Rollins_8 Start: 7153, Stop: 7485, Start Num: 85

Candidate Starts for Rollins_8:

(11, 6856), (Start: 85 @7153 has 166 MA's), (94, 7165), (Start: 95 @7168 has 36 MA's), (117, 7204), (130, 7225), (132, 7228), (187, 7327), (225, 7408),

Gene: Rona_9 Start: 7553, Stop: 7882, Start Num: 85

Candidate Starts for Rona_9:

(11, 7256), (44, 7457), (Start: 83 @7550 has 1 MA's), (Start: 85 @7553 has 166 MA's), (Start: 95 @7568 has 36 MA's), (132, 7625), (167, 7700), (208, 7775), (225, 7805), (241, 7850),

Gene: Rowa_9 Start: 7020, Stop: 7364, Start Num: 97

Candidate Starts for Rowa_9:

(Start: 97 @7020 has 4 MA's), (167, 7143), (248, 7353),

Gene: Rozby_12 Start: 9751, Stop: 10089, Start Num: 85

Candidate Starts for Rozby_12:

(Start: 85 @9751 has 166 MA's), (194, 9937), (228, 10018), (240, 10048),

Gene: Rubeelu_9 Start: 6458, Stop: 6799, Start Num: 53

Candidate Starts for Rubeelu_9:

(Start: 53 @6458 has 179 MA's), (74, 6488), (147, 6611), (179, 6662), (233, 6746), (241, 6767),

Gene: Ruchi_10 Start: 7974, Stop: 8336, Start Num: 84

Candidate Starts for Ruchi_10:

(38, 7842), (Start: 84 @7974 has 55 MA's), (Start: 101 @8001 has 1 MA's), (141, 8070), (144, 8079), (170, 8136), (184, 8166), (194, 8184), (201, 8202), (204, 8211), (229, 8271),

Gene: RunningOnE_66 Start: 33386, Stop: 33715, Start Num: 60
Candidate Starts for RunningOnE_66:
(15, 33164), (23, 33224), (Start: 60 @33386 has 2 MA's), (110, 33473), (143, 33524), (198, 33608),

Gene: Ruthy_10 Start: 7438, Stop: 7761, Start Num: 95
Candidate Starts for Ruthy_10:
(6, 7039), (7, 7081), (30, 7261), (Start: 95 @7438 has 36 MA's), (108, 7456), (192, 7600),

Gene: Ryadel_47 Start: 23398, Stop: 23757, Start Num: 58
Candidate Starts for Ryadel_47:
(Start: 58 @23398 has 33 MA's), (74, 23428), (104, 23479), (111, 23491), (150, 23557), (203, 23665),
(228, 23689),

Gene: SKKY_8 Start: 6123, Stop: 6470, Start Num: 88
Candidate Starts for SKKY_8:
(32, 5967), (34, 5973), (35, 5976), (36, 5979), (41, 6018), (45, 6027), (56, 6060), (Start: 88 @6123 has
45 MA's), (106, 6153), (108, 6156), (132, 6198), (144, 6228), (152, 6240), (191, 6312), (200, 6333),
(222, 6375), (230, 6402), (236, 6417), (245, 6450),

Gene: SPB78_10 Start: 7392, Stop: 7745, Start Num: 94
Candidate Starts for SPB78_10:
(1, 6924), (67, 7338), (74, 7353), (94, 7392), (165, 7515), (190, 7578), (207, 7620), (214, 7638), (222,
7656), (225, 7665), (248, 7734),

Gene: Saints25_16 Start: 9388, Stop: 9723, Start Num: 53
Candidate Starts for Saints25_16:
(Start: 53 @9388 has 179 MA's), (102, 9469), (176, 9583), (203, 9634), (225, 9646), (243, 9697),

Gene: SamW_9 Start: 6861, Stop: 7205, Start Num: 103
Candidate Starts for SamW_9:
(18, 6570), (Start: 103 @6861 has 8 MA's), (142, 6927), (161, 6960), (169, 6978), (171, 6990), (197,
7047), (219, 7110), (235, 7164), (241, 7185), (243, 7191),

Gene: Samba_9 Start: 6960, Stop: 7322, Start Num: 98
Candidate Starts for Samba_9:
(81, 6933), (Start: 98 @6960 has 59 MA's), (111, 6984), (128, 7008), (142, 7038), (161, 7071), (169,
7089), (194, 7149),

Gene: Samy_14 Start: 8825, Stop: 9178, Start Num: 64
Candidate Starts for Samy_14:
(Start: 64 @8825 has 1 MA's), (74, 8846), (136, 8954), (188, 9056), (204, 9092), (241, 9146), (245,
9158), (248, 9167),

Gene: SanaSana_10 Start: 7567, Stop: 7896, Start Num: 85
Candidate Starts for SanaSana_10:
(11, 7270), (Start: 83 @7564 has 1 MA's), (Start: 85 @7567 has 166 MA's), (Start: 95 @7582 has 36
MA's), (208, 7789), (225, 7819), (241, 7864),

Gene: SansAfet_9 Start: 7336, Stop: 7665, Start Num: 85
Candidate Starts for SansAfet_9:
(Start: 85 @7336 has 166 MA's), (Start: 95 @7351 has 36 MA's), (225, 7588), (241, 7633),

Gene: Sapo_7 Start: 6047, Stop: 6409, Start Num: 98

Candidate Starts for Sapo_7:

(Start: 98 @6047 has 59 MA's), (111, 6068), (227, 6332),

Gene: SarBear_9 Start: 7299, Stop: 7628, Start Num: 85

Candidate Starts for SarBear_9:

(22, 7059), (44, 7203), (Start: 85 @7299 has 166 MA's), (Start: 95 @7314 has 36 MA's), (143, 7398), (144, 7401), (208, 7521), (225, 7551), (227, 7560), (241, 7596),

Gene: Sassay_15 Start: 9765, Stop: 10100, Start Num: 53

Candidate Starts for Sassay_15:

(Start: 53 @9765 has 179 MA's), (102, 9846), (115, 9867), (176, 9960), (225, 10023), (243, 10074),

Gene: Savage2526_12 Start: 9814, Stop: 10152, Start Num: 85

Candidate Starts for Savage2526_12:

(28, 9649), (Start: 85 @9814 has 166 MA's), (194, 10000), (228, 10081), (240, 10111),

Gene: Sbash_9 Start: 7109, Stop: 7504, Start Num: 55

Candidate Starts for Sbash_9:

(37, 7034), (Start: 55 @7109 has 9 MA's), (68, 7133), (74, 7145), (240, 7463), (241, 7472), (244, 7481),

Gene: Schatzie_24 Start: 15866, Stop: 16210, Start Num: 54

Candidate Starts for Schatzie_24:

(36, 15800), (Start: 54 @15866 has 40 MA's), (74, 15896), (141, 16010), (179, 16073), (181, 16076),

Gene: Schmidt_11 Start: 7862, Stop: 8224, Start Num: 98

Candidate Starts for Schmidt_11:

(Start: 98 @7862 has 59 MA's), (118, 7895), (153, 7964), (161, 7979), (166, 7991), (169, 7997), (183, 8036), (203, 8078), (214, 8108), (225, 8135), (228, 8147), (240, 8183), (241, 8192),

Gene: Schnabeltier_9 Start: 7206, Stop: 7541, Start Num: 95

Candidate Starts for Schnabeltier_9:

(13, 6921), (94, 7203), (Start: 95 @7206 has 36 MA's), (109, 7227), (208, 7416),

Gene: Schnauzer_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Schnauzer_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: SchoolBus_43 Start: 22339, Stop: 22698, Start Num: 58

Candidate Starts for SchoolBus_43:

(Start: 58 @22339 has 33 MA's), (74, 22369), (104, 22420), (111, 22432), (150, 22498), (203, 22606), (228, 22630),

Gene: Schuy_44 Start: 22272, Stop: 22631, Start Num: 58

Candidate Starts for Schuy_44:

(Start: 58 @22272 has 33 MA's), (74, 22302), (104, 22353), (111, 22365), (150, 22431), (203, 22539), (228, 22563),

Gene: Scitech_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Scitech_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Scuttle_12 Start: 9820, Stop: 10158, Start Num: 85

Candidate Starts for Scuttle_12:

(28, 9655), (Start: 85 @9820 has 166 MA's), (194, 10006), (228, 10087), (240, 10117),

Gene: Sergei_8 Start: 6925, Stop: 7263, Start Num: 85

Candidate Starts for Sergei_8:

(Start: 85 @6925 has 166 MA's), (130, 6997), (192, 7108), (226, 7183), (228, 7192), (245, 7243),

Gene: Shaboozey_18 Start: 12725, Stop: 13069, Start Num: 54

Candidate Starts for Shaboozey_18:

(Start: 54 @12725 has 40 MA's), (74, 12755), (111, 12821), (179, 12932), (181, 12935), (198, 12959), (241, 13037), (249, 13064),

Gene: ShamWow_16 Start: 10258, Stop: 10593, Start Num: 53

Candidate Starts for ShamWow_16:

(Start: 53 @10258 has 179 MA's), (102, 10339), (115, 10360), (176, 10453), (225, 10516), (243, 10567),

Gene: Shambre1_10 Start: 8182, Stop: 8541, Start Num: 101

Candidate Starts for Shambre1_10:

(8, 7831), (77, 8137), (Start: 101 @8182 has 1 MA's), (138, 8245), (155, 8284), (168, 8314), (188, 8356), (243, 8509),

Gene: Sharkboy_9 Start: 7552, Stop: 7881, Start Num: 85

Candidate Starts for Sharkboy_9:

(11, 7255), (44, 7456), (Start: 83 @7549 has 1 MA's), (Start: 85 @7552 has 166 MA's), (Start: 95 @7567 has 36 MA's), (132, 7624), (167, 7699), (208, 7774), (225, 7804), (241, 7849),

Gene: Shayna_8 Start: 7158, Stop: 7490, Start Num: 85

Candidate Starts for Shayna_8:

(44, 7062), (Start: 85 @7158 has 166 MA's), (Start: 95 @7176 has 36 MA's), (130, 7230), (134, 7236), (149, 7272), (221, 7401), (241, 7458),

Gene: Shen_11 Start: 7899, Stop: 8240, Start Num: 84

Candidate Starts for Shen_11:

(Start: 84 @7899 has 55 MA's), (87, 7902), (112, 7944), (145, 8007), (146, 8010), (156, 8025), (209, 8133), (225, 8160), (241, 8211),

Gene: ShereKhan_17 Start: 10707, Stop: 11042, Start Num: 53

Candidate Starts for ShereKhan_17:

(Start: 53 @10707 has 179 MA's), (102, 10788), (176, 10902), (203, 10953), (225, 10965), (243, 11016),

Gene: Shida_43 Start: 22179, Stop: 22538, Start Num: 58

Candidate Starts for Shida_43:

(Start: 58 @22179 has 33 MA's), (74, 22209), (104, 22260), (111, 22272), (150, 22338), (203, 22446), (228, 22470),

Gene: ShrimpFriedEgg_9 Start: 6479, Stop: 6823, Start Num: 53

Candidate Starts for ShrimpFriedEgg_9:

(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: Shweta_9 Start: 6479, Stop: 6823, Start Num: 53

Candidate Starts for Shweta_9:

(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: Silvafighter_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Silvafighter_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Silvy_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Silvy_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Simpliphy_16 Start: 9469, Stop: 9804, Start Num: 53

Candidate Starts for Simpliphy_16:

(Start: 53 @9469 has 179 MA's), (102, 9550), (176, 9664), (203, 9715), (225, 9727), (243, 9778),

Gene: SirBeanington_9 Start: 7325, Stop: 7654, Start Num: 85

Candidate Starts for SirBeanington_9:

(22, 7085), (44, 7229), (Start: 85 @7325 has 166 MA's), (Start: 95 @7340 has 36 MA's), (225, 7577), (241, 7622), (243, 7628),

Gene: SirDuracell_15 Start: 8924, Stop: 9259, Start Num: 53

Candidate Starts for SirDuracell_15:

(Start: 53 @8924 has 179 MA's), (102, 9005), (115, 9026), (176, 9119), (225, 9182), (243, 9233),

Gene: SkinnyPete_9 Start: 6479, Stop: 6823, Start Num: 53

Candidate Starts for SkinnyPete_9:

(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: Skyerus_9 Start: 5943, Stop: 6326, Start Num: 71

Candidate Starts for Skyerus_9:

(71, 5943), (Start: 83 @5973 has 1 MA's), (100, 5997), (114, 6021), (122, 6036), (152, 6093), (182, 6144), (184, 6150), (198, 6180), (207, 6207), (208, 6210), (225, 6237), (241, 6294),

Gene: Skylord_8 Start: 7093, Stop: 7425, Start Num: 85

Candidate Starts for Skylord_8:

(11, 6796), (Start: 85 @7093 has 166 MA's), (94, 7105), (Start: 95 @7108 has 36 MA's), (117, 7144), (130, 7165), (132, 7168), (187, 7267), (225, 7348),

Gene: Slay_9 Start: 7775, Stop: 8104, Start Num: 85

Candidate Starts for Slay_9:

(22, 7535), (44, 7679), (Start: 85 @7775 has 166 MA's), (Start: 95 @7790 has 36 MA's), (143, 7874), (144, 7877), (208, 7997), (225, 8027), (227, 8036), (241, 8072),

Gene: Smooch_45 Start: 23467, Stop: 23826, Start Num: 58

Candidate Starts for Smooch_45:

(Start: 58 @23467 has 33 MA's), (74, 23497), (104, 23548), (111, 23560), (150, 23626), (203, 23734), (228, 23758),

Gene: Smurph_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Smurph_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Snekmaggedon_9 Start: 6479, Stop: 6823, Start Num: 53

Candidate Starts for Snekmaggedon_9:

(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: Softsoap_9 Start: 7325, Stop: 7654, Start Num: 85

Candidate Starts for Softsoap_9:

(Start: 85 @7325 has 166 MA's), (Start: 95 @7340 has 36 MA's), (225, 7577), (241, 7622),

Gene: Soilmate_9 Start: 6858, Stop: 7220, Start Num: 98

Candidate Starts for Soilmate_9:

(9, 6522), (Start: 98 @6858 has 59 MA's), (111, 6882), (128, 6906), (142, 6936), (161, 6969), (169, 6987), (194, 7047),

Gene: Solea_10 Start: 7711, Stop: 8040, Start Num: 85

Candidate Starts for Solea_10:

(Start: 85 @7711 has 166 MA's), (Start: 95 @7726 has 36 MA's), (225, 7963), (241, 8008),

Gene: Solid_8 Start: 6099, Stop: 6446, Start Num: 88

Candidate Starts for Solid_8:

(56, 6036), (Start: 88 @6099 has 45 MA's), (106, 6129), (108, 6132), (132, 6174), (144, 6204), (152, 6216), (191, 6288), (200, 6309), (222, 6351), (229, 6375), (230, 6378), (236, 6393), (245, 6426),

Gene: SophKB_16 Start: 10257, Stop: 10592, Start Num: 53

Candidate Starts for SophKB_16:

(Start: 53 @10257 has 179 MA's), (102, 10338), (115, 10359), (176, 10452), (225, 10515), (243, 10566),

Gene: Sotrice96_16 Start: 10213, Stop: 10548, Start Num: 53

Candidate Starts for Sotrice96_16:

(Start: 53 @10213 has 179 MA's), (102, 10294), (115, 10315), (176, 10408), (225, 10471), (243, 10522),

Gene: Spinach_9 Start: 6479, Stop: 6823, Start Num: 53

Candidate Starts for Spinach_9:

(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: Splinter_13 Start: 9406, Stop: 9765, Start Num: 98

Candidate Starts for Splinter_13:

(Start: 98 @9406 has 59 MA's), (113, 9433), (118, 9439), (142, 9481), (166, 9532), (184, 9580), (228, 9688), (240, 9724),

Gene: SpongeBob_9 Start: 6479, Stop: 6823, Start Num: 53

Candidate Starts for SpongeBob_9:

(32, 6401), (Start: 53 @6479 has 179 MA's), (74, 6512), (115, 6581), (147, 6635), (157, 6650), (158, 6653), (178, 6683), (179, 6686), (233, 6770), (241, 6791),

Gene: Spooks_54 Start: 31985, Stop: 32302, Start Num: 65

Candidate Starts for Spooks_54:

(Start: 61 @31976 has 1 MA's), (63, 31979), (Start: 65 @31985 has 2 MA's), (121, 32081), (165, 32156), (198, 32198), (225, 32225),

Gene: Sprinklemunch_9 Start: 7214, Stop: 7537, Start Num: 95

Candidate Starts for Sprinklemunch_9:

(Start: 95 @7214 has 36 MA's), (108, 7232), (156, 7316), (195, 7382), (216, 7430),

Gene: Squint_23 Start: 14441, Stop: 14785, Start Num: 54

Candidate Starts for Squint_23:

(Start: 54 @14441 has 40 MA's), (74, 14471), (111, 14537), (179, 14648), (181, 14651), (198, 14675), (241, 14753), (249, 14780),

Gene: Squiracle_9 Start: 7555, Stop: 7884, Start Num: 85

Candidate Starts for Squiracle_9:

(Start: 85 @7555 has 166 MA's), (Start: 95 @7570 has 36 MA's), (117, 7603), (121, 7609), (134, 7630), (187, 7726), (225, 7807), (238, 7840),

Gene: StAB_9 Start: 6866, Stop: 7210, Start Num: 103

Candidate Starts for StAB_9:

(18, 6575), (Start: 103 @6866 has 8 MA's), (142, 6932), (161, 6965), (169, 6983), (171, 6995), (197, 7052), (217, 7106), (219, 7115), (235, 7169), (241, 7190), (243, 7196),

Gene: Stank_17 Start: 9714, Stop: 10049, Start Num: 53

Candidate Starts for Stank_17:

(Start: 53 @9714 has 179 MA's), (102, 9795), (176, 9909), (203, 9960), (225, 9972), (243, 10023),

Gene: Stark_16 Start: 9482, Stop: 9817, Start Num: 53

Candidate Starts for Stark_16:

(Start: 53 @9482 has 179 MA's), (102, 9563), (176, 9677), (203, 9728), (225, 9740), (243, 9791),

Gene: StellaBean_16 Start: 10257, Stop: 10592, Start Num: 53

Candidate Starts for StellaBean_16:

(Start: 53 @10257 has 179 MA's), (102, 10338), (115, 10359), (176, 10452), (225, 10515), (243, 10566),

Gene: Stiles_9 Start: 6860, Stop: 7204, Start Num: 103

Candidate Starts for Stiles_9:

(18, 6569), (Start: 103 @6860 has 8 MA's), (142, 6926), (169, 6977), (171, 6989), (197, 7046), (217, 7100), (219, 7109), (235, 7163), (241, 7184), (243, 7190),

Gene: StolenFromERC_17 Start: 9714, Stop: 10049, Start Num: 53

Candidate Starts for StolenFromERC_17:

(Start: 53 @9714 has 179 MA's), (102, 9795), (176, 9909), (203, 9960), (225, 9972), (243, 10023),

Gene: Stoor_9 Start: 7564, Stop: 7893, Start Num: 85

Candidate Starts for Stoor_9:

(11, 7267), (Start: 83 @7561 has 1 MA's), (Start: 85 @7564 has 166 MA's), (Start: 95 @7579 has 36 MA's), (208, 7786), (225, 7816), (241, 7861),

Gene: StormChicken_16 Start: 10432, Stop: 10767, Start Num: 53

Candidate Starts for StormChicken_16:

(Start: 53 @10432 has 179 MA's), (102, 10513), (176, 10627), (203, 10678), (225, 10690), (243, 10741),

Gene: Stormborn_8 Start: 6095, Stop: 6442, Start Num: 88

Candidate Starts for Stormborn_8:

(56, 6032), (Start: 88 @6095 has 45 MA's), (106, 6125), (108, 6128), (144, 6200), (152, 6212), (191, 6284), (200, 6305), (222, 6347), (229, 6371), (230, 6374), (236, 6389), (245, 6422),

Gene: Stromboli_9 Start: 7565, Stop: 7894, Start Num: 85

Candidate Starts for Stromboli_9:

(Start: 83 @7562 has 1 MA's), (Start: 85 @7565 has 166 MA's), (Start: 95 @7580 has 36 MA's), (208, 7787), (209, 7790), (225, 7817), (241, 7862),

Gene: StuartMinion_9 Start: 7338, Stop: 7676, Start Num: 84

Candidate Starts for StuartMinion_9:

(39, 7215), (49, 7263), (Start: 84 @7338 has 55 MA's), (129, 7407), (145, 7446), (146, 7449), (156, 7464), (202, 7548), (225, 7596), (246, 7662),

Gene: Stuck_9 Start: 7121, Stop: 7516, Start Num: 55

Candidate Starts for Stuck_9:

(37, 7046), (Start: 55 @7121 has 9 MA's), (70, 7148), (72, 7154), (74, 7157), (104, 7208), (120, 7235), (150, 7286), (179, 7331), (198, 7358), (229, 7448), (240, 7475), (241, 7484), (244, 7493),

Gene: Studio_11 Start: 6885, Stop: 7220, Start Num: 59

Candidate Starts for Studio_11:

(52, 6873), (Start: 59 @6885 has 6 MA's), (75, 6915),

Gene: Success_55 Start: 31095, Stop: 31421, Start Num: 61

Candidate Starts for Success_55:

(Start: 61 @31095 has 1 MA's), (Start: 65 @31104 has 2 MA's), (74, 31122), (110, 31182), (165, 31275), (198, 31317),

Gene: SunnyD_8 Start: 7158, Stop: 7490, Start Num: 85

Candidate Starts for SunnyD_8:

(44, 7062), (Start: 85 @7158 has 166 MA's), (Start: 95 @7176 has 36 MA's), (130, 7230), (134, 7236), (149, 7272), (221, 7401), (241, 7458),

Gene: Supakev_8 Start: 6925, Stop: 7263, Start Num: 85

Candidate Starts for Supakev_8:

(3, 6493), (19, 6673), (21, 6679), (Start: 85 @6925 has 166 MA's), (130, 6997), (226, 7183), (245, 7243),

Gene: Supernova_8 Start: 6091, Stop: 6438, Start Num: 88

Candidate Starts for Supernova_8:

(56, 6028), (Start: 88 @6091 has 45 MA's), (106, 6121), (108, 6124), (132, 6166), (144, 6196), (152, 6208), (191, 6280), (200, 6301), (222, 6343), (229, 6367), (230, 6370), (236, 6385), (245, 6418),

Gene: Superphikiman_24 Start: 14495, Stop: 14839, Start Num: 54

Candidate Starts for Superphikiman_24:

(Start: 54 @14495 has 40 MA's), (74, 14525), (111, 14591), (179, 14702), (181, 14705), (198, 14729), (241, 14807), (249, 14834),

Gene: Suppi_12 Start: 9837, Stop: 10175, Start Num: 85

Candidate Starts for Suppi_12:
(Start: 85 @9837 has 166 MA's), (108, 9870),

Gene: Swervy_9 Start: 7299, Stop: 7628, Start Num: 85
Candidate Starts for Swervy_9:
(22, 7059), (44, 7203), (Start: 85 @7299 has 166 MA's), (Start: 95 @7314 has 36 MA's), (143, 7398),
(144, 7401), (208, 7521), (225, 7551), (227, 7560), (241, 7596),

Gene: TBrady12_17 Start: 9711, Stop: 10046, Start Num: 53
Candidate Starts for TBrady12_17:
(Start: 53 @9711 has 179 MA's), (102, 9792), (176, 9906), (203, 9957), (225, 9969), (243, 10020),

Gene: TMaxx_11 Start: 7008, Stop: 7340, Start Num: 62
Candidate Starts for TMaxx_11:
(Start: 62 @7008 has 7 MA's), (204, 7248),

Gene: TZGordon_15 Start: 9548, Stop: 9907, Start Num: 98
Candidate Starts for TZGordon_15:
(Start: 98 @9548 has 59 MA's), (113, 9575), (118, 9581), (142, 9623), (166, 9674), (184, 9722), (225, 9818), (228, 9830), (240, 9866),

Gene: Tapioca_9 Start: 6438, Stop: 6782, Start Num: 53
Candidate Starts for Tapioca_9:
(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Tarkin_17 Start: 10710, Stop: 11045, Start Num: 53
Candidate Starts for Tarkin_17:
(Start: 53 @10710 has 179 MA's), (102, 10791), (176, 10905), (203, 10956), (225, 10968), (243, 11019),

Gene: TaronosaurusRx_9 Start: 7210, Stop: 7554, Start Num: 90
Candidate Starts for TaronosaurusRx_9:
(13, 6934), (14, 6943), (Start: 90 @7210 has 1 MA's), (Start: 95 @7219 has 36 MA's), (109, 7240),
(192, 7384), (208, 7429),

Gene: TattModd_12 Start: 9814, Stop: 10152, Start Num: 85
Candidate Starts for TattModd_12:
(Start: 85 @9814 has 166 MA's), (194, 10000), (228, 10081), (240, 10111),

Gene: TaylorSipht_10 Start: 7777, Stop: 8118, Start Num: 84
Candidate Starts for TaylorSipht_10:
(19, 7525), (24, 7570), (44, 7684), (Start: 84 @7777 has 55 MA's), (87, 7780), (156, 7903), (167, 7930),
(180, 7945), (209, 8011), (225, 8038), (229, 8053), (241, 8089),

Gene: Teagster_8 Start: 7158, Stop: 7490, Start Num: 85
Candidate Starts for Teagster_8:
(Start: 85 @7158 has 166 MA's), (Start: 95 @7176 has 36 MA's), (130, 7230), (134, 7236), (149, 7272),
(221, 7401), (241, 7458),

Gene: TeamEdward_16 Start: 10429, Stop: 10764, Start Num: 53
Candidate Starts for TeamEdward_16:

(Start: 53 @10429 has 179 MA's), (102, 10510), (176, 10624), (203, 10675), (225, 10687), (243, 10738),

Gene: TeardropMSU_15 Start: 10165, Stop: 10500, Start Num: 53

Candidate Starts for TeardropMSU_15:

(Start: 53 @10165 has 179 MA's), (102, 10246), (115, 10267), (176, 10360), (225, 10423), (243, 10474),

Gene: Teaspoon_15 Start: 9164, Stop: 9499, Start Num: 53

Candidate Starts for Teaspoon_15:

(Start: 53 @9164 has 179 MA's), (102, 9245), (176, 9359), (203, 9410), (225, 9422), (243, 9473),

Gene: TelAviv_40 Start: 22333, Stop: 22692, Start Num: 58

Candidate Starts for TelAviv_40:

(Start: 58 @22333 has 33 MA's), (74, 22363), (104, 22414), (111, 22426), (150, 22492), (203, 22600), (228, 22624),

Gene: Temper16_8 Start: 6925, Stop: 7263, Start Num: 85

Candidate Starts for Temper16_8:

(Start: 85 @6925 has 166 MA's), (130, 6997), (192, 7108), (226, 7183), (228, 7192), (245, 7243),

Gene: Terminus_15 Start: 9811, Stop: 10146, Start Num: 53

Candidate Starts for Terminus_15:

(Start: 53 @9811 has 179 MA's), (102, 9892), (176, 10006), (203, 10057), (225, 10069), (243, 10120),

Gene: Tessdabest_8 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Tessdabest_8:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Thibault_22 Start: 16125, Stop: 16469, Start Num: 54

Candidate Starts for Thibault_22:

(Start: 54 @16125 has 40 MA's), (74, 16155), (179, 16332), (181, 16335),

Gene: Thimble_16 Start: 9214, Stop: 9549, Start Num: 53

Candidate Starts for Thimble_16:

(Start: 53 @9214 has 179 MA's), (102, 9295), (115, 9316), (176, 9409), (225, 9472), (243, 9523),

Gene: ThreeRngTarjay_25 Start: 16691, Stop: 17035, Start Num: 54

Candidate Starts for ThreeRngTarjay_25:

(Start: 54 @16691 has 40 MA's), (74, 16721), (141, 16835), (179, 16898), (181, 16901),

Gene: Thresher_16 Start: 10472, Stop: 10807, Start Num: 53

Candidate Starts for Thresher_16:

(Start: 53 @10472 has 179 MA's), (102, 10553), (176, 10667), (203, 10718), (225, 10730), (243, 10781),

Gene: TinaLin_16 Start: 10120, Stop: 10479, Start Num: 98

Candidate Starts for TinaLin_16:

(Start: 98 @10120 has 59 MA's), (118, 10153), (128, 10168), (157, 10225), (166, 10246), (184, 10294), (186, 10297), (203, 10333), (223, 10384), (224, 10387), (225, 10390), (234, 10423), (244, 10456),

Gene: Toad24_11 Start: 7899, Stop: 8240, Start Num: 84

Candidate Starts for Toad24_11:

(Start: 84 @7899 has 55 MA's), (87, 7902), (112, 7944), (145, 8007), (146, 8010), (156, 8025), (209, 8133), (225, 8160), (241, 8211),

Gene: Toast_9 Start: 6937, Stop: 7305, Start Num: 98

Candidate Starts for Toast_9:

(9, 6607), (Start: 98 @6937 has 59 MA's), (113, 6961), (118, 6967), (153, 7039), (161, 7054), (169, 7072), (194, 7132), (197, 7141),

Gene: Tomaszewski_15 Start: 9858, Stop: 10193, Start Num: 53

Candidate Starts for Tomaszewski_15:

(Start: 53 @9858 has 179 MA's), (102, 9939), (115, 9960), (176, 10053), (225, 10116), (243, 10167),

Gene: Tortoise12_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Tortoise12_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Toto_16 Start: 10258, Stop: 10593, Start Num: 53

Candidate Starts for Toto_16:

(Start: 53 @10258 has 179 MA's), (102, 10339), (115, 10360), (176, 10453), (225, 10516), (243, 10567),

Gene: Towmatter_19 Start: 12289, Stop: 12618, Start Num: 107

Candidate Starts for Towmatter_19:

(70, 12217), (Start: 98 @12274 has 59 MA's), (Start: 107 @12289 has 3 MA's), (111, 12298), (115, 12304), (197, 12463), (229, 12547),

Gene: Traaww1_14 Start: 9903, Stop: 10238, Start Num: 53

Candidate Starts for Traaww1_14:

(Start: 53 @9903 has 179 MA's), (102, 9984), (115, 10005), (176, 10098), (225, 10161), (243, 10212),

Gene: TripleC_14 Start: 10502, Stop: 10834, Start Num: 62

Candidate Starts for TripleC_14:

(Start: 62 @10502 has 7 MA's), (242, 10805),

Gene: Troy_9 Start: 6861, Stop: 7205, Start Num: 103

Candidate Starts for Troy_9:

(18, 6570), (Start: 103 @6861 has 8 MA's), (142, 6927), (161, 6960), (169, 6978), (171, 6990), (197, 7047), (219, 7110), (235, 7164), (241, 7185), (243, 7191),

Gene: Tuco_16 Start: 10257, Stop: 10592, Start Num: 53

Candidate Starts for Tuco_16:

(Start: 53 @10257 has 179 MA's), (102, 10338), (115, 10359), (176, 10452), (225, 10515), (243, 10566),

Gene: TukTuk_9 Start: 7299, Stop: 7628, Start Num: 85

Candidate Starts for TukTuk_9:

(44, 7203), (Start: 85 @7299 has 166 MA's), (Start: 95 @7314 has 36 MA's), (143, 7398), (225, 7551), (241, 7596), (243, 7602),

Gene: Ukulele_15 Start: 9482, Stop: 9817, Start Num: 53

Candidate Starts for Ukulele_15:

(Start: 53 @9482 has 179 MA's), (102, 9563), (176, 9677), (203, 9728), (225, 9740), (243, 9791),

Gene: UmaThurman_9 Start: 6959, Stop: 7321, Start Num: 98

Candidate Starts for UmaThurman_9:

(81, 6932), (Start: 98 @6959 has 59 MA's), (111, 6983), (128, 7007), (142, 7037), (161, 7070), (169, 7088), (194, 7148),

Gene: Urla_8 Start: 6952, Stop: 7290, Start Num: 85

Candidate Starts for Urla_8:

(Start: 85 @6952 has 166 MA's), (117, 7003), (145, 7060), (240, 7249),

Gene: Utz_9 Start: 6959, Stop: 7321, Start Num: 98

Candidate Starts for Utz_9:

(9, 6623), (81, 6932), (Start: 98 @6959 has 59 MA's), (111, 6983), (123, 7001), (128, 7007), (142, 7037), (169, 7088), (194, 7148),

Gene: VWB_9 Start: 7437, Stop: 7799, Start Num: 89

Candidate Starts for VWB_9:

(69, 7410), (89, 7437), (94, 7446), (139, 7524), (198, 7647), (207, 7674), (214, 7692), (225, 7719), (232, 7746),

Gene: Vagabond_43 Start: 22166, Stop: 22525, Start Num: 58

Candidate Starts for Vagabond_43:

(Start: 58 @22166 has 33 MA's), (74, 22196), (104, 22247), (111, 22259), (150, 22325), (203, 22433), (228, 22457),

Gene: Vallejo_12 Start: 9752, Stop: 10090, Start Num: 85

Candidate Starts for Vallejo_12:

(Start: 85 @9752 has 166 MA's), (194, 9938), (240, 10049),

Gene: Vendetta_13 Start: 9406, Stop: 9765, Start Num: 98

Candidate Starts for Vendetta_13:

(Start: 98 @9406 has 59 MA's), (113, 9433), (118, 9439), (142, 9481), (166, 9532), (184, 9580), (228, 9688), (240, 9724),

Gene: Vitas_8 Start: 7093, Stop: 7425, Start Num: 85

Candidate Starts for Vitas_8:

(11, 6796), (Start: 85 @7093 has 166 MA's), (94, 7105), (Start: 95 @7108 has 36 MA's), (117, 7144), (130, 7165), (132, 7168), (187, 7267), (225, 7348),

Gene: Vorrrps_42 Start: 21925, Stop: 22284, Start Num: 58

Candidate Starts for Vorrrps_42:

(Start: 58 @21925 has 33 MA's), (74, 21955), (104, 22006), (111, 22018), (150, 22084), (203, 22192), (228, 22216),

Gene: Vulpecula_10 Start: 8050, Stop: 8412, Start Num: 84

Candidate Starts for Vulpecula_10:

(38, 7918), (Start: 84 @8050 has 55 MA's), (87, 8053), (Start: 101 @8077 has 1 MA's), (141, 8146), (144, 8155), (167, 8203), (184, 8242), (201, 8278), (204, 8287), (229, 8347),

Gene: Vulture_8 Start: 6923, Stop: 7261, Start Num: 85

Candidate Starts for Vulture_8:

(Start: 85 @6923 has 166 MA's), (108, 6956), (130, 6995), (169, 7076), (226, 7181), (228, 7190),

Gene: WalkingDead_9 Start: 7553, Stop: 7882, Start Num: 85

Candidate Starts for WalkingDead_9:

(11, 7256), (Start: 83 @7550 has 1 MA's), (Start: 85 @7553 has 166 MA's), (Start: 95 @7568 has 36 MA's), (209, 7778), (225, 7805), (227, 7814), (241, 7850),

Gene: Walrus_9 Start: 6871, Stop: 7242, Start Num: 98

Candidate Starts for Walrus_9:

(Start: 98 @6871 has 59 MA's), (111, 6895), (169, 7009), (194, 7069),

Gene: Wanda_27 Start: 16134, Stop: 16478, Start Num: 54

Candidate Starts for Wanda_27:

(Start: 54 @16134 has 40 MA's), (74, 16164), (141, 16278), (179, 16341), (181, 16344),

Gene: Wawa_12 Start: 9789, Stop: 10127, Start Num: 85

Candidate Starts for Wawa_12:

(Start: 85 @9789 has 166 MA's), (160, 9921), (194, 9975), (228, 10056), (240, 10086),

Gene: Wayne_12 Start: 9883, Stop: 10221, Start Num: 85

Candidate Starts for Wayne_12:

(Start: 85 @9883 has 166 MA's), (108, 9916),

Gene: Westrich_11 Start: 7887, Stop: 8228, Start Num: 84

Candidate Starts for Westrich_11:

(Start: 84 @7887 has 55 MA's), (87, 7890), (112, 7932), (145, 7995), (146, 7998), (156, 8013), (209, 8121), (225, 8148), (241, 8199),

Gene: Whack_9 Start: 6628, Stop: 6957, Start Num: 93

Candidate Starts for Whack_9:

(Start: 88 @6619 has 45 MA's), (91, 6625), (Start: 93 @6628 has 1 MA's), (113, 6658), (133, 6691), (242, 6928),

Gene: WheatThin_13 Start: 8626, Stop: 8946, Start Num: 95

Candidate Starts for WheatThin_13:

(7, 8281), (80, 8599), (Start: 95 @8626 has 36 MA's), (108, 8644), (140, 8701), (159, 8734), (192, 8788), (195, 8794), (197, 8800), (203, 8818), (216, 8842), (241, 8917),

Gene: Wiggin_17 Start: 9714, Stop: 10049, Start Num: 53

Candidate Starts for Wiggin_17:

(Start: 53 @9714 has 179 MA's), (102, 9795), (176, 9909), (203, 9960), (225, 9972), (243, 10023),

Gene: Wildflower_43 Start: 21911, Stop: 22270, Start Num: 58

Candidate Starts for Wildflower_43:

(Start: 58 @21911 has 33 MA's), (74, 21941), (104, 21992), (111, 22004), (150, 22070), (203, 22178), (228, 22202),

Gene: WileyE_9 Start: 7385, Stop: 7747, Start Num: 84

Candidate Starts for WileyE_9:

(38, 7253), (Start: 84 @7385 has 55 MA's), (Start: 101 @7412 has 1 MA's), (141, 7481), (144, 7490), (170, 7547), (184, 7577), (194, 7595), (201, 7613), (204, 7622), (229, 7682),

Gene: Willez_15 Start: 9765, Stop: 10100, Start Num: 53

Candidate Starts for Willez_15:

(Start: 53 @9765 has 179 MA's), (102, 9846), (115, 9867), (176, 9960), (225, 10023), (243, 10074),

Gene: William_9 Start: 6952, Stop: 7320, Start Num: 98

Candidate Starts for William_9:

(Start: 98 @6952 has 59 MA's), (113, 6976), (118, 6982), (153, 7054), (161, 7069), (169, 7087), (173, 7102), (194, 7147), (197, 7156),

Gene: Winget_44 Start: 22605, Stop: 22964, Start Num: 58

Candidate Starts for Winget_44:

(Start: 58 @22605 has 33 MA's), (74, 22635), (104, 22686), (111, 22698), (150, 22764), (203, 22872), (228, 22896),

Gene: Wisp_9 Start: 6959, Stop: 7321, Start Num: 98

Candidate Starts for Wisp_9:

(9, 6623), (81, 6932), (Start: 98 @6959 has 59 MA's), (111, 6983), (128, 7007), (142, 7037), (161, 7070), (169, 7088), (194, 7148),

Gene: Wizzo_8 Start: 6103, Stop: 6450, Start Num: 88

Candidate Starts for Wizzo_8:

(56, 6040), (Start: 88 @6103 has 45 MA's), (106, 6133), (108, 6136), (132, 6178), (144, 6208), (152, 6220), (191, 6292), (200, 6313), (222, 6355), (229, 6379), (230, 6382), (236, 6397), (245, 6430),

Gene: Wocket_10 Start: 7236, Stop: 7598, Start Num: 98

Candidate Starts for Wocket_10:

(20, 6972), (Start: 98 @7236 has 59 MA's), (111, 7260), (128, 7284), (142, 7314), (161, 7347), (169, 7365), (194, 7425), (207, 7464), (225, 7509),

Gene: Wogge42_42 Start: 22244, Stop: 22603, Start Num: 58

Candidate Starts for Wogge42_42:

(Start: 58 @22244 has 33 MA's), (74, 22274), (104, 22325), (111, 22337), (150, 22403), (203, 22511), (228, 22535),

Gene: WonderBoy_8 Start: 6905, Stop: 7243, Start Num: 85

Candidate Starts for WonderBoy_8:

(Start: 85 @6905 has 166 MA's), (108, 6938), (145, 7013), (240, 7202),

Gene: Xandras_17 Start: 9714, Stop: 10049, Start Num: 53

Candidate Starts for Xandras_17:

(Start: 53 @9714 has 179 MA's), (102, 9795), (176, 9909), (203, 9960), (225, 9972), (243, 10023),

Gene: Xeno_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Xeno_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Xerxes_9 Start: 6438, Stop: 6782, Start Num: 53

Candidate Starts for Xerxes_9:

(32, 6360), (Start: 53 @6438 has 179 MA's), (74, 6471), (115, 6540), (147, 6594), (157, 6609), (158, 6612), (179, 6645), (233, 6729), (241, 6750),

Gene: Xiaokay_23 Start: 16141, Stop: 16485, Start Num: 54

Candidate Starts for Xiaokay_23:

(Start: 54 @16141 has 40 MA's), (74, 16171), (141, 16285), (179, 16348), (181, 16351),

Gene: Xula_9 Start: 7161, Stop: 7556, Start Num: 55

Candidate Starts for Xula_9:

(10, 6912), (37, 7089), (Start: 55 @7161 has 9 MA's), (74, 7197), (111, 7260), (115, 7266), (150, 7326), (179, 7371), (229, 7488), (240, 7515), (241, 7524), (244, 7533),

Gene: YassJohnny_16 Start: 10257, Stop: 10592, Start Num: 53

Candidate Starts for YassJohnny_16:

(Start: 53 @10257 has 179 MA's), (102, 10338), (115, 10359), (176, 10452), (225, 10515), (243, 10566),

Gene: Yeet_24 Start: 15867, Stop: 16211, Start Num: 54

Candidate Starts for Yeet_24:

(Start: 54 @15867 has 40 MA's), (74, 15897), (141, 16011), (179, 16074), (181, 16077),

Gene: Youngblood_15 Start: 9892, Stop: 10227, Start Num: 53

Candidate Starts for Youngblood_15:

(Start: 53 @9892 has 179 MA's), (102, 9973), (176, 10087), (203, 10138), (225, 10150), (243, 10201),

Gene: YoyoKar_41 Start: 21889, Stop: 22248, Start Num: 58

Candidate Starts for YoyoKar_41:

(Start: 58 @21889 has 33 MA's), (74, 21919), (104, 21970), (111, 21982), (150, 22048), (203, 22156), (228, 22180),

Gene: YungJamal_46 Start: 22644, Stop: 23003, Start Num: 58

Candidate Starts for YungJamal_46:

(Start: 58 @22644 has 33 MA's), (74, 22674), (104, 22725), (111, 22737), (150, 22803), (203, 22911), (228, 22935),

Gene: ZAYM_9 Start: 7212, Stop: 7547, Start Num: 95

Candidate Starts for ZAYM_9:

(14, 6936), (Start: 95 @7212 has 36 MA's), (109, 7233), (192, 7377), (195, 7383), (208, 7422),

Gene: Zakhe101_43 Start: 22055, Stop: 22414, Start Num: 58

Candidate Starts for Zakhe101_43:

(Start: 58 @22055 has 33 MA's), (74, 22085), (104, 22136), (111, 22148), (150, 22214), (203, 22322), (228, 22346),

Gene: Zarbodnamra_9 Start: 6958, Stop: 7320, Start Num: 98

Candidate Starts for Zarbodnamra_9:

(9, 6622), (81, 6931), (Start: 98 @6958 has 59 MA's), (111, 6982), (123, 7000), (128, 7006), (142, 7036), (169, 7087), (194, 7147),

Gene: Zebo_43 Start: 22339, Stop: 22698, Start Num: 58

Candidate Starts for Zebo_43:

(Start: 58 @22339 has 33 MA's), (74, 22369), (104, 22420), (111, 22432), (150, 22498), (203, 22606), (228, 22630),

Gene: Zelink_27 Start: 16719, Stop: 17063, Start Num: 54

Candidate Starts for Zelink_27:

(Start: 54 @16719 has 40 MA's), (74, 16749), (141, 16863), (179, 16926), (181, 16929),

Gene: Zhuangyuan_11 Start: 8069, Stop: 8407, Start Num: 84

Candidate Starts for Zhuangyuan_11:

(66, 8030), (Start: 84 @8069 has 55 MA's), (112, 8114), (145, 8177), (156, 8195), (225, 8327), (241, 8378),

Gene: ZiggyZoo_9 Start: 6983, Stop: 7345, Start Num: 98

Candidate Starts for ZiggyZoo_9:

(9, 6647), (81, 6956), (Start: 98 @6983 has 59 MA's), (111, 7007), (128, 7031), (142, 7061), (161, 7094), (169, 7112), (194, 7172),

Gene: Zilla_9 Start: 7011, Stop: 7373, Start Num: 98

Candidate Starts for Zilla_9:

(81, 6984), (Start: 98 @7011 has 59 MA's), (111, 7035), (128, 7059), (142, 7089), (161, 7122), (169, 7140), (194, 7200),

Gene: Zixiang_10 Start: 7688, Stop: 8029, Start Num: 84

Candidate Starts for Zixiang_10:

(38, 7556), (49, 7613), (82, 7685), (Start: 84 @7688 has 55 MA's), (87, 7691), (112, 7733), (145, 7796), (146, 7799), (156, 7814), (209, 7922), (225, 7949), (229, 7964), (230, 7967), (241, 8000),

Gene: Zodiariah_9 Start: 7164, Stop: 7487, Start Num: 95

Candidate Starts for Zodiariah_9:

(5, 6759), (7, 6807), (30, 6987), (80, 7137), (Start: 95 @7164 has 36 MA's), (156, 7266), (195, 7332), (216, 7380),

Gene: Zorro_12 Start: 9768, Stop: 10106, Start Num: 85

Candidate Starts for Zorro_12:

(Start: 85 @9768 has 166 MA's), (160, 9900), (194, 9954), (228, 10035), (240, 10065),

Gene: xkcd_16 Start: 9917, Stop: 10252, Start Num: 53

Candidate Starts for xkcd_16:

(Start: 53 @9917 has 179 MA's), (102, 9998), (115, 10019), (176, 10112), (225, 10175), (243, 10226),