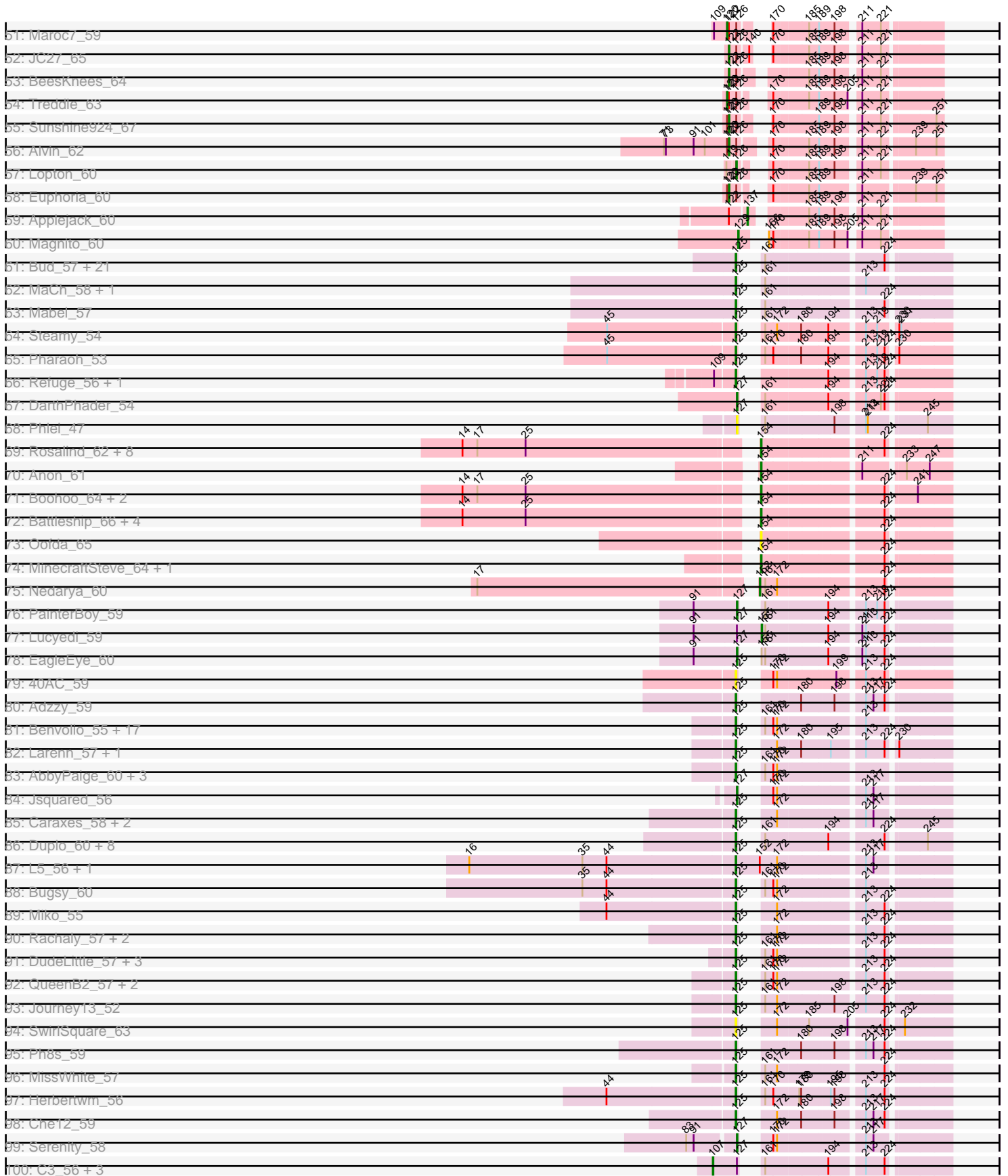
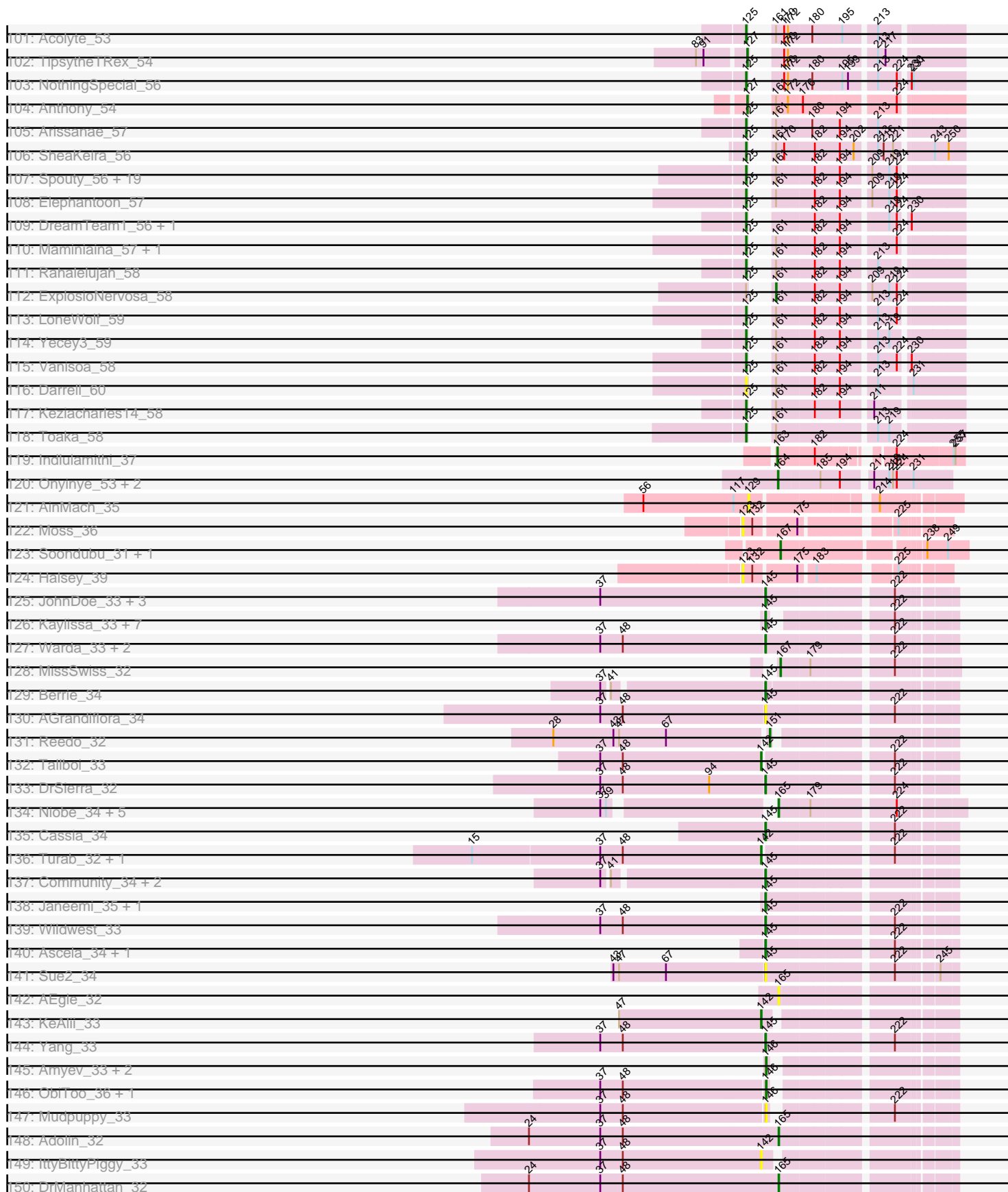


1: Gompell16_61 + 3	170	188	198	211
2: GrecoEtereo_61 + 33	170	188	198	211
3: Onno789_62 + 3	170	188	198	211
4: Monet_65 + 1	170	188	198	211
5: Peterson_66 + 1	170	188	198	211
6: Gwendoluna_65	170	188	198	211
7: KyMonks1A_65 + 4	170	188	198	211
8: Buttons_59 + 13	170	188	198	211
9: PacerPaul_61	170	188	198	211
10: Homines_54 + 27	170	188	198	211
11: Fajezeel_63 + 3	170	188	198	211
12: Beatrix_61	170	188	198	211
13: Sumter_58 + 2	170	188	198	211
14: Eyeball_64	170	188	198	211
15: StrongArm_60 + 1	170	188	198	211
16: STLScum_70 + 1	170	188	198	211
17: Zeuska_67	170	188	198	211
18: Trouble_63	170	188	198	211
19: Parasetene_60	170	188	198	211
20: SarFire_61 + 1	170	188	198	211
21: Pepe_60	170	188	198	211
22: Naira_64 + 1	170	188	198	211
23: Arcanine_64 + 2	170	188	198	211
24: Michley_65 + 1	170	188	198	211
25: Dulcie_62 + 3	170	188	198	211
26: StewieG_57	170	188	198	211
27: Ruthenferd_64 + 1	170	188	198	211
28: Canyle_62	170	188	198	211
29: Gyzlar_57 + 1	170	188	198	211
30: Rulus_63 + 3	170	188	198	211
31: Abrogate_610	170	188	198	211
32: BPBrebs31_64	170	188	198	211
33: Marsha_61	170	188	198	211
34: Oogway_61	170	188	198	211
35: TheIoniousMonk_65	170	188	198	211
36: Mryoio_58	170	188	198	211
37: Marcell_58	170	188	198	211
38: ILeeKay_64 + 4	170	188	198	211
39: Marchy_53	170	188	198	211
40: Dynamix_64	170	188	198	211
41: Smeagoi_64 + 1	170	188	198	211
42: DD5_60 + 1	170	188	198	211
43: Kugel_64	170	188	198	211
44: Sanya_57	170	188	198	211
45: Squee_63	170	188	198	211
46: Anglerfish_62 + 1	170	188	198	211
47: Turf99_60	170	188	198	211
48: RidgeCB_61	170	188	198	211
49: Scow1_63 + 1	170	188	198	211
50: Blue_61	170	188	198	211

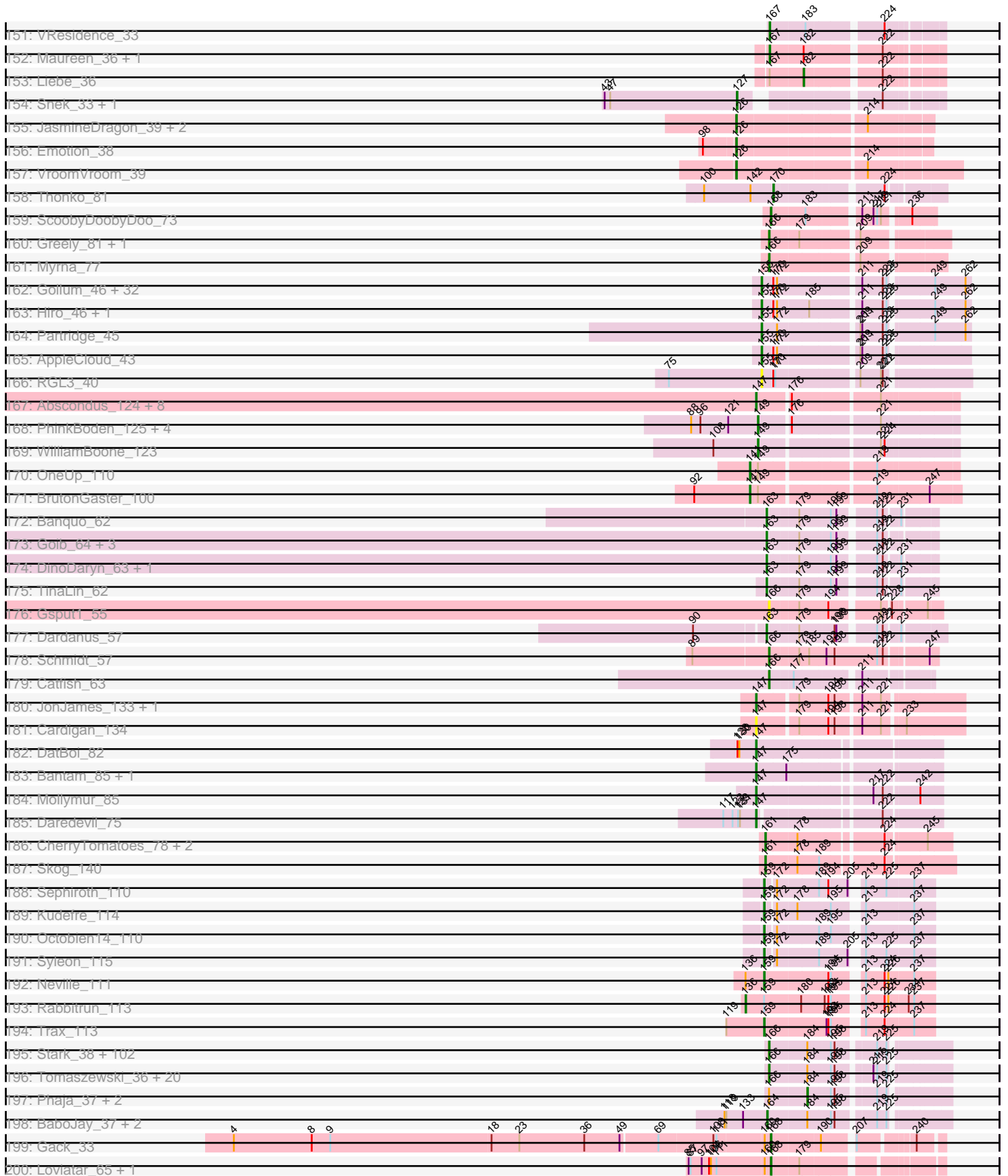
Pham 171071



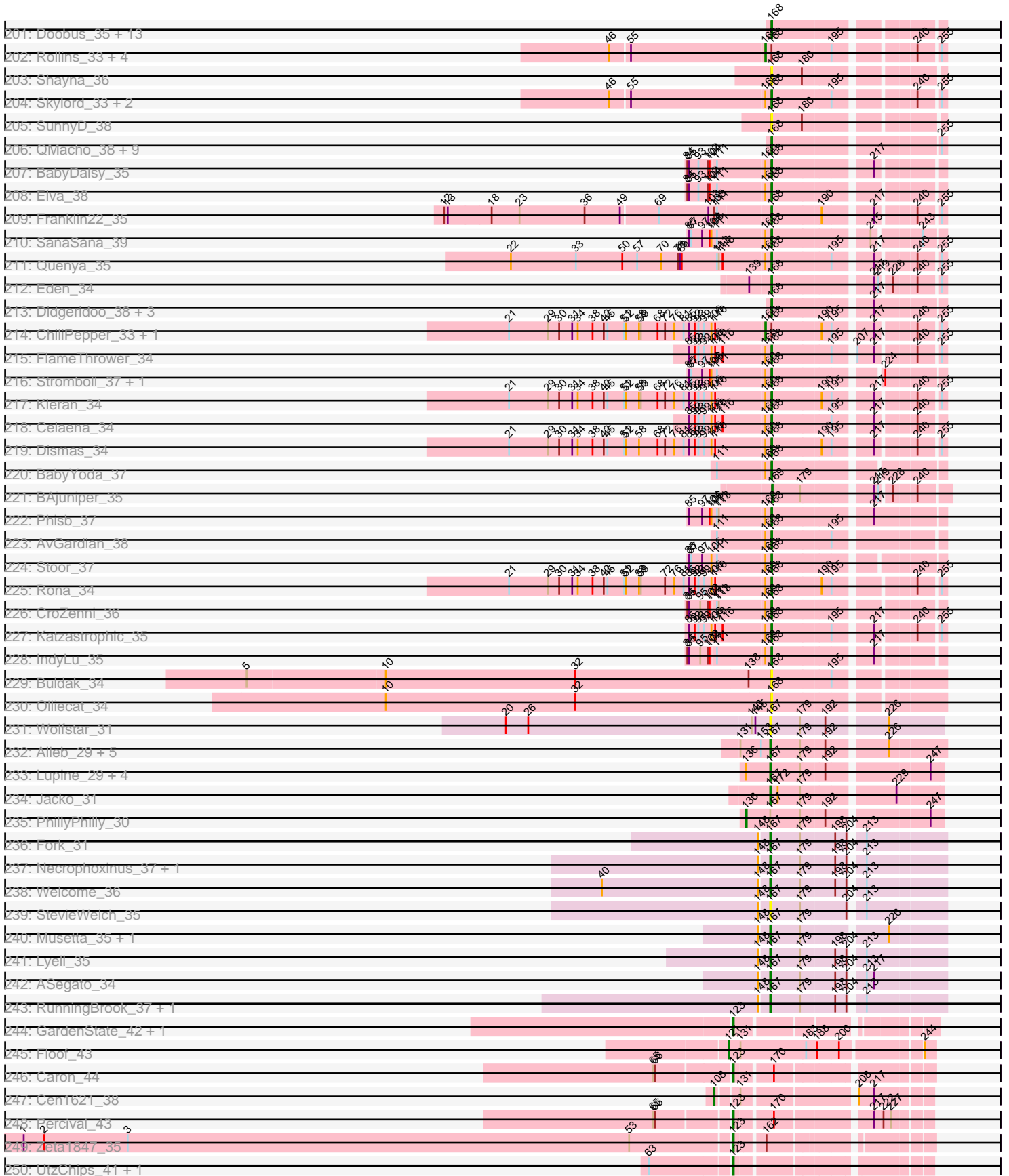
Pham 171071



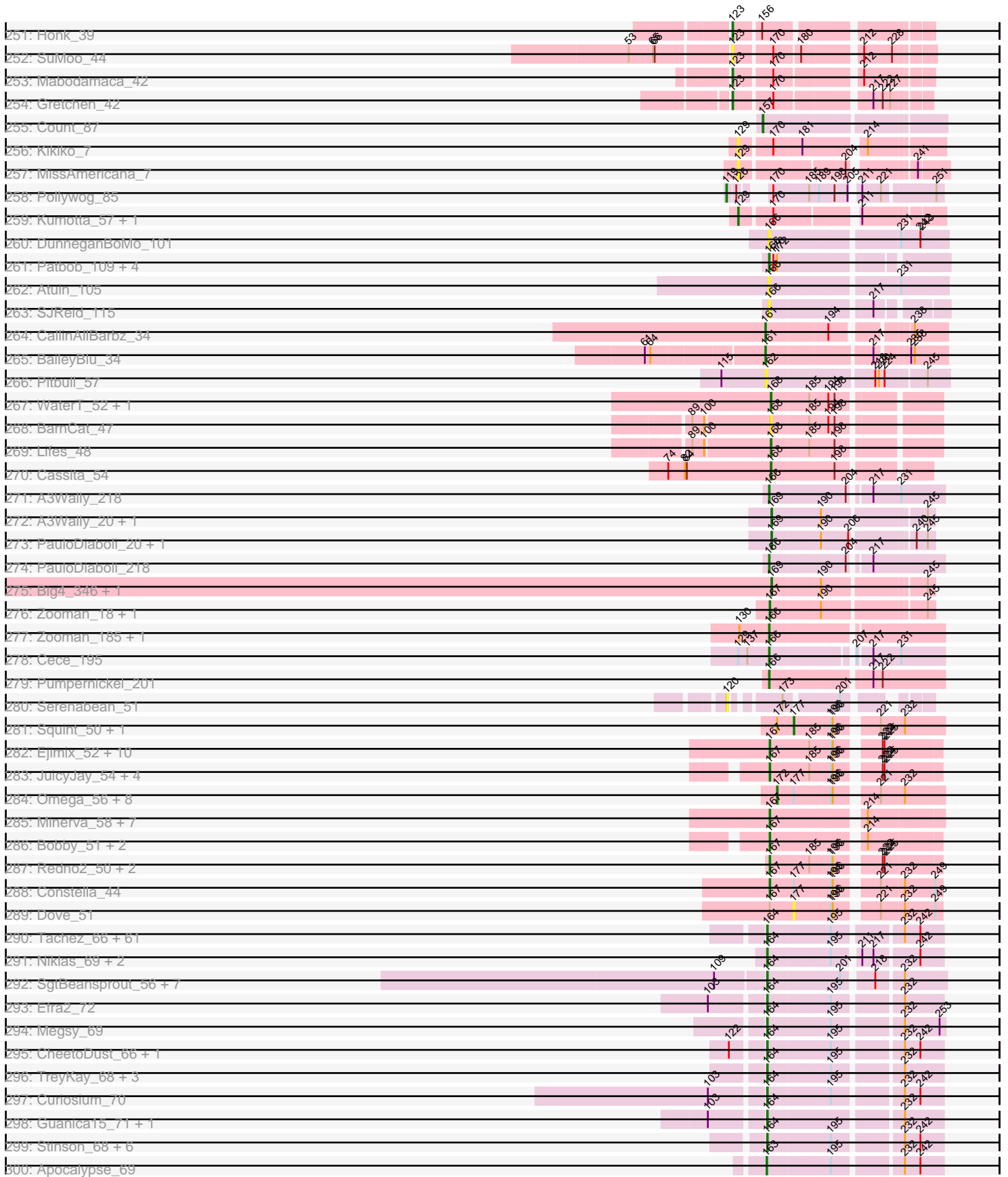
Pham 171071



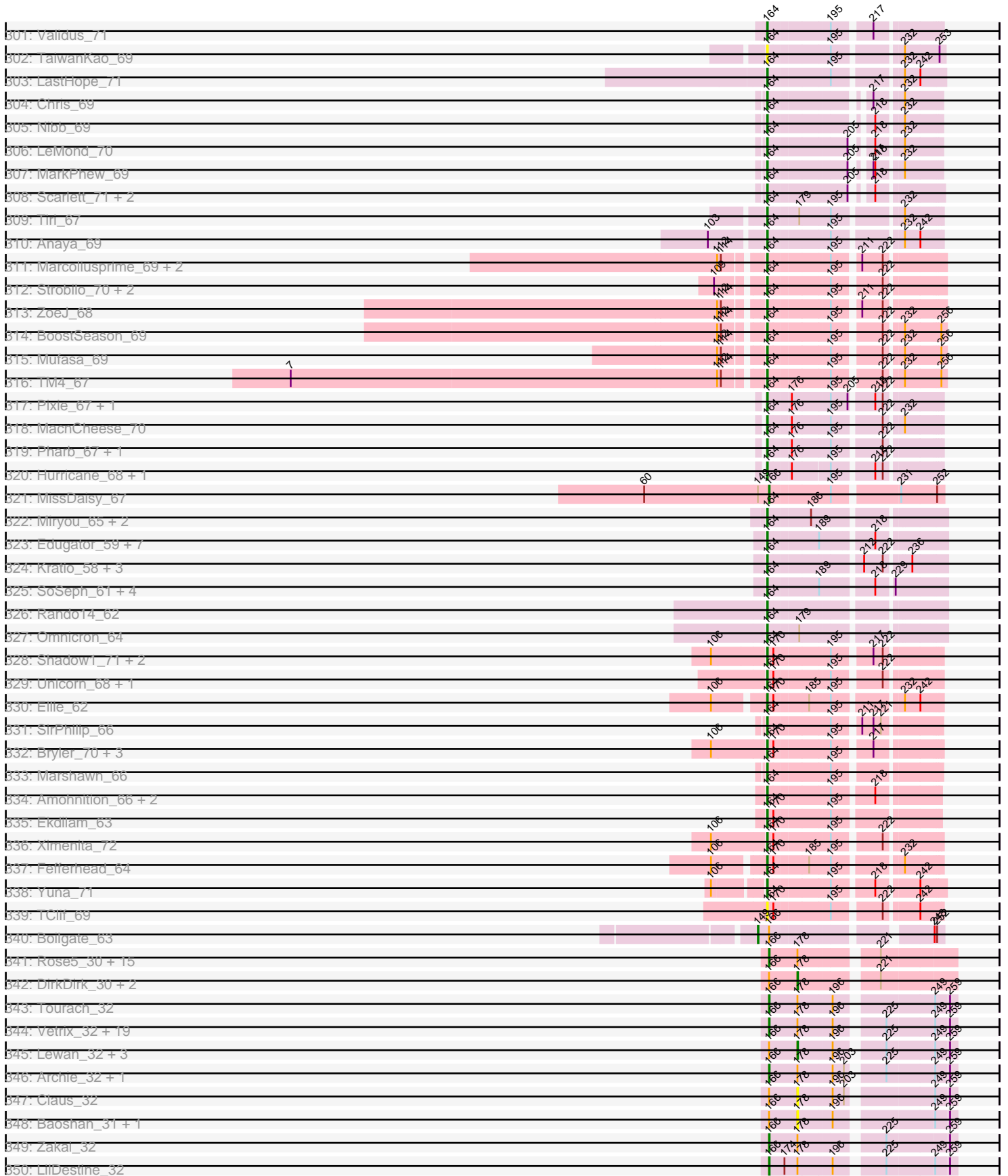
Pham 171071



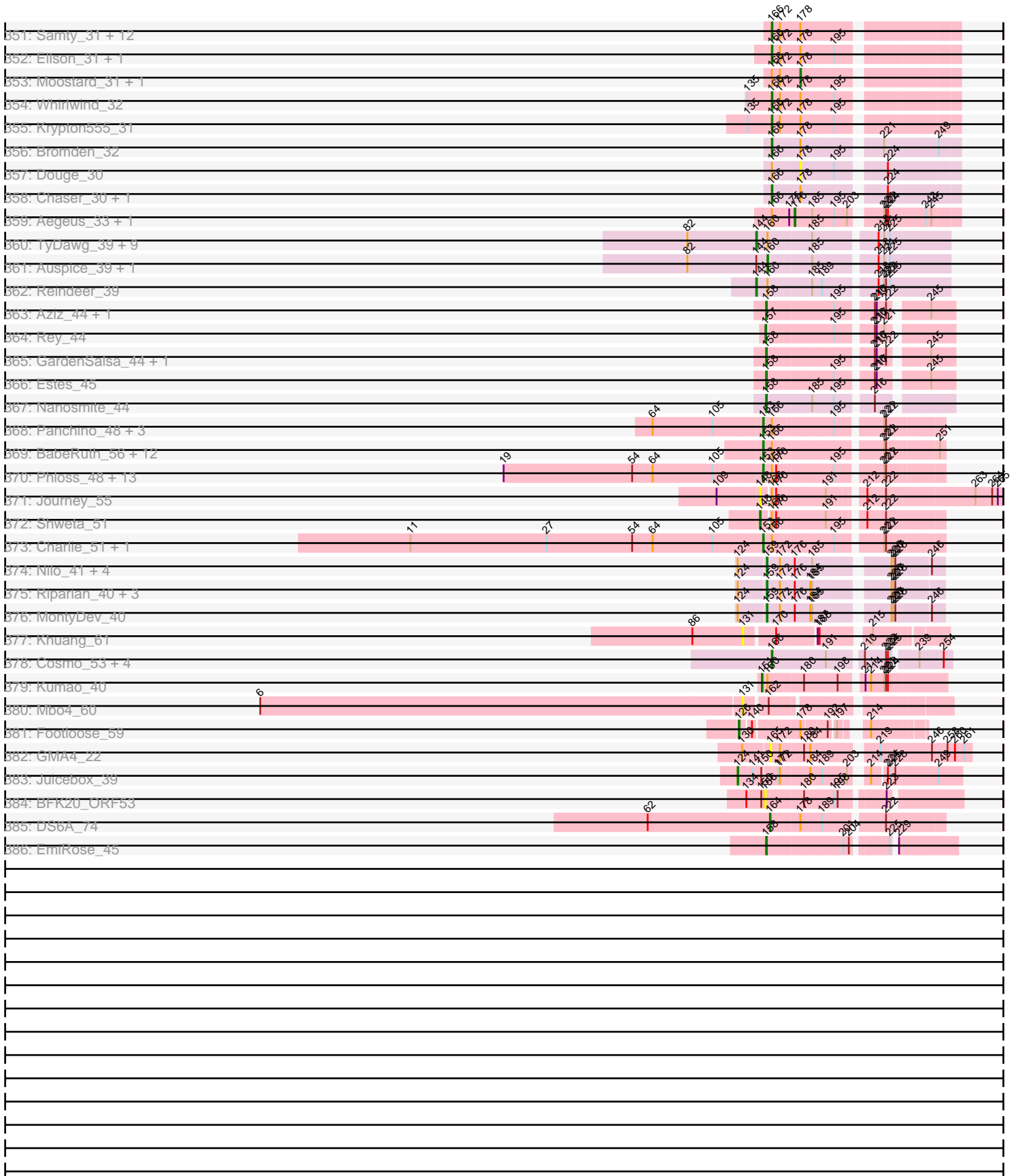
Pham 171071



Pham 171071



Pham 171071



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 171071 Report

This analysis was run 07/09/24 on database version 566.

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 171071 has 1128 members, 107 are drafts.

Phages represented in each track:

- Track 1 : Gompeii16_61, Bircsak_61, Agaliana_56, Francis47_60
- Track 2 : GrecoEtereo_61, Sagefire_64, Marge_59, Rajelicia_62, Ashballer_65, QTRLifeCrisis_62, A6_54, ConceptII_64, Gandalf20_64, BK1_54, Violet_60, Smairt_64, Abbyshoes_63, BigPaolini_59, PascalRango_60, Dussy_62, Chanagan_56, CactusRose_62, Perseus_61, Mule_59, Nerujay_64, JuliaChild_63, Doom_60, LilBib_62, Edtherson_61, PSullivan_60, Licorice_63, Hermia_60, Tote_58, Bigfoot_54, Norz_62, BaconJack_66, Ciao_60, Swole_61
- Track 3 : Ohno789_62, Dreamboat_63, PherrisBueller_61, Jasper_62
- Track 4 : Monet_65, Payneful_58
- Track 5 : Peterson_66, Lesedi_58
- Track 6 : Gwendoluna_65
- Track 7 : KyMonks1A_65, Sorpresa_57, Sandaddy_58, Tripl3t_65, Magnar_60
- Track 8 : Buttons_59, Kenmech_65, HarryOW_60, KSSJEB_62, Papez_64, Pita2_63, PattyP_64, Fushigi_58, Hami1_54, Aeneas_65, Fascinus_56, PhrostyMug_62, Pippin_62, Espresso_59
- Track 9 : PacerPaul_61
- Track 10 : Homines_54, SpikeBT_60, Burton_63, MaryBeth_60, Jerm2_64, Corvo_63, MrGordo_64, PinkPlastic_62, GageAP_63, Alsfro_68, Bxb1_56, Petruccio_62, Niza_64, NEHalo_59, Graduation_66, Barriga_65, Froghopper_60, Hope4ever_63, Big3_63, MetalQZJ_59, Ajay_62, Ichabod_66, Target_64, Dexes_62, Pelly_62, Jorgensen_65, Solon_61, AFIS_58
- Track 11 : Fajezeel_63, Acme_64, Greg_63, Lamina13_66
- Track 12 : Beatrix_61
- Track 13 : Sumter_58, Thor_61, Pari_65
- Track 14 : Eyeball_64
- Track 15 : StrongArm_60, Bexan_59
- Track 16 : STLscum_70, Ringer_62
- Track 17 : Zeuska_67
- Track 18 : Trouble_63
- Track 19 : Paraselene_60
- Track 20 : SarFire_61, Bethlehem_61
- Track 21 : Pepe_60
- Track 22 : Naira_64, Fenn_64

- Track 23 : Arcanine_64, Slagathor_64, TwoPeat_63
- Track 24 : Michley_65, Wheeler_64
- Track 25 : Dulcie_62, Ruotula_64, DrFeelGood_58, Traft412_64
- Track 26 : StewieG_57
- Track 27 : Rutherford_64, Rhynn_60
- Track 28 : Carlyle_62
- Track 29 : Gyzlar_57, Rubeus_60
- Track 30 : Rufus_63, Atkinbua_64, Makemake_64, Pinto_62
- Track 31 : Abrogate_610
- Track 32 : BPBiebs31_64
- Track 33 : Marsha_61
- Track 34 : Oogway_61
- Track 35 : TheloniousMonk_65
- Track 36 : Mryolo_58
- Track 37 : Marcell_58
- Track 38 : ILeeKay_64, ShortQueendom_54, Kanely_63, Altman_64, Snazzy_60
- Track 39 : Marchy_53
- Track 40 : Dynamix_64
- Track 41 : Smeagol_64, Teodoridan_60
- Track 42 : DD5_60, Lockley_59
- Track 43 : Kugel_64
- Track 44 : Sanya_57
- Track 45 : Squee_63
- Track 46 : Anglerfish_62, Manatee_62
- Track 47 : Turj99_60
- Track 48 : RidgeCB_61
- Track 49 : Scowl_63, KBG_63
- Track 50 : Blue_61
- Track 51 : Maroc7_59
- Track 52 : JC27_65
- Track 53 : BeesKnees_64
- Track 54 : Treddle_63
- Track 55 : Sunshine924_67
- Track 56 : Alvin_62
- Track 57 : Lopton_60
- Track 58 : Euphoria_60
- Track 59 : Applejack_60
- Track 60 : Magnito_60
- Track 61 : Bud_57, Mulciber_57, Hutc2_57, Orange_57, Insomnia_58, TinyTimmy_56, Et2Brutus_56, Ebony_57, Munch_58, Flaverint_58, Fibonacci_57, Bowtie_58, Joselito_58, Jabith_58, Sham4_57, Snape_57, Gilberta_58, Salz_56, Timothy_57, Aneem_58, Lucivia_58, Petersenfast_56
- Track 62 : MaCh_58, Bachome_59
- Track 63 : Mabel_57
- Track 64 : Steamy_54
- Track 65 : Pharaoh_53
- Track 66 : Refuge_56, Zimmer_55
- Track 67 : DARTHPhader_54
- Track 68 : Phlei_47
- Track 69 : Rosalind_62, Looper_63, LastResort_62, Remus_64, Waits_64, JSwag_63, Strosahl_64, ReMo_62, Epsocamisio_61
- Track 70 : Anon_61
- Track 71 : Boohoo_64, Anaysia_64, Nebulosus_62

- Track 72 : Battleship_66, DekHockey33_65, ShayRa_64, Soups_64, Switzerland_63
- Track 73 : Oofda_65
- Track 74 : MinecraftSteve_64, KatherineG_64
- Track 75 : Nedarya_60
- Track 76 : PainterBoy_59
- Track 77 : Lucyedi_59
- Track 78 : EagleEye_60
- Track 79 : 40AC_59
- Track 80 : Adzzy_59
- Track 81 : Benvolio_55, ChipMunk_60, FiringLine_58, Echild_58, Power_57, EvilGenius_60, Jerm_60, Dignity_60, Whabigail7_59, Leviathan_60, QueenBeesly_58, Agape74_60, LiITurb_59, Smeagan_61, SnapTap_58, SemperFi_59, Crucio_58, KingCyrus_60
- Track 82 : Larenn_57, Malec_58
- Track 83 : AbbyPaige_60, Georgie2_59, SweetiePie_58, Turbido_59
- Track 84 : Jsquared_56
- Track 85 : Caraxes_58, Odin_56, Superchunk_56
- Track 86 : Duplo_60, DBQu4n_60, StarStuff_60, Pomar16_60, D32_59, Naji_60, Kerberos_60, D29_56, Tomathan_60
- Track 87 : L5_56, Koduck_59
- Track 88 : Buggy_60
- Track 89 : Miko_55
- Track 90 : Rachaly_57, BobSwaget_54, Lokk_55
- Track 91 : DudeLittle_57, Anselm_59, Dalmatian_59, Retro23_59
- Track 92 : QueenB2_57, Heffalump_57, Fameo_58
- Track 93 : Journey13_52
- Track 94 : SwirlSquare_63
- Track 95 : Ph8s_59
- Track 96 : MissWhite_57
- Track 97 : Herbertwm_56
- Track 98 : Che12_59
- Track 99 : Serenity_58
- Track 100 : C3_56, VC3_61, AN9_61, ANI8_61
- Track 101 : Acolyte_53
- Track 102 : TopsytheTRex_54
- Track 103 : NothingSpecial_56
- Track 104 : Anthony_54
- Track 105 : Arissanae_57
- Track 106 : SheaKeira_56
- Track 107 : Spouty_56, Qobbit_58, Beemo_58, Scherzo_58, Fayely_58, Phaeder_58, Priya_58, Eidsmoe_58, Myxus_58, HortumSL17_58, Catalina_59, Aliter_58, Ugenie5_55, Conquerage_58, Alma_58, Phonnegut_58, Pioneer_58, EmyBug_57, Tubs_58, PackMan_57
- Track 108 : Elephantoon_57
- Track 109 : DreamTeam1_56, Charm_56
- Track 110 : Maminiaina_57, BogosyJay_57
- Track 111 : Rahalelujah_58
- Track 112 : ExplosioNervosa_58
- Track 113 : LoneWolf_59
- Track 114 : Yecey3_59
- Track 115 : Vanisoa_58
- Track 116 : Darrell_60

- Track 117 : Keziacharles14_58
- Track 118 : Toaka_58
- Track 119 : Indlulamithi_37
- Track 120 : Onyinye_53, Leopard_52, Aikoy_52
- Track 121 : AinMach_35
- Track 122 : Moss_36
- Track 123 : Soondubu_31, Exile_31
- Track 124 : Halsey_39
- Track 125 : JohnDoe_33, Cyan_33, Joemato_35, Simpson_35
- Track 126 : Kaylissa_33, Nitro_33, JuneStar_33, Pumpkins_33, TforTroy_34, YesChef_33, Lizalica_32, Powerpuff_35
- Track 127 : Warda_33, Tutumahutu_33, Tbone_32
- Track 128 : MissSwiss_32
- Track 129 : Berrie_34
- Track 130 : AGrandiflora_34
- Track 131 : Reedo_32
- Track 132 : Tallboi_33
- Track 133 : DrSierra_32
- Track 134 : Niobe_34, Jstan_36, Eraser_34, Elezi_34, Asa16_34, London_34
- Track 135 : Cassia_34
- Track 136 : Turab_32, Adumb2043_32
- Track 137 : Community_34, Tuck_36, Phives_35
- Track 138 : Janeemi_35, Lego_33
- Track 139 : Wildwest_33
- Track 140 : Ascela_34, Iter_34
- Track 141 : Sue2_34
- Track 142 : AEgle_32
- Track 143 : KeAlii_33
- Track 144 : Yang_33
- Track 145 : Amyev_33, Tian_33, Pixelle_34
- Track 146 : ObiToo_36, Crewmate_37
- Track 147 : Mudpuppy_33
- Track 148 : Adolin_32
- Track 149 : IttyBittyPiggy_33
- Track 150 : DrManhattan_32
- Track 151 : VResidence_33
- Track 152 : Maureen_36, MaGuCo_34
- Track 153 : Liebe_36
- Track 154 : Snek_33, Tweety19_33
- Track 155 : JasmineDragon_39, ShakeltOph_41, MiniMommy_41
- Track 156 : Emotion_38
- Track 157 : VroomVroom_39
- Track 158 : Thonko_81
- Track 159 : ScoobyDoobyDoo_73
- Track 160 : Greely_81, Phabba_83
- Track 161 : Myrna_77
- Track 162 : Gollum_46, Rasputin_46, BobbyDazzler_46, Lillie_46, Dinger_45, Jester_45, Yoncess_45, Shuman_46, RexFury_45, Nancinator_46, Rhodalysa_46, Yogi_45, StCroix_45, Espica_46, Bradshaw_46, Swann_46, CosmicSans_46, UhSalsa_46, Natosaleda_45, Naiad_45, Takoda_46, Bonanza_46, Belenaria_46, Harlequin_45, RER2_39, TWAMP_46, Phrankenstein_46, Alatin_45, Krishelle_46, Bryce_45, Erik_46, Alpacados_45, AngryOrchard_44
- Track 163 : Hiro_46, PhailMary_45

- Track 164 : Partridge_45
- Track 165 : AppleCloud_43
- Track 166 : RGL3_40
- Track 167 : Abscondus_124, Miskis_124, Culver_125, Aphelion_125, Dusty_121, Norvs_124, ClubL_125, Lozinak_125, Smoothie_126
- Track 168 : PhinkBoden_125, Bachita_128, Cucurbita_126, Toniann_125, Engineer_127
- Track 169 : WilliamBoone_123
- Track 170 : OneUp_110
- Track 171 : BrutonGaster_100
- Track 172 : Banquo_62
- Track 173 : Goib_64, Splinter_63, TZGordon_64, Vendetta_63
- Track 174 : DinoDaryn_63, Huffy_63
- Track 175 : TinaLin_62
- Track 176 : Gspu1_55
- Track 177 : Dardanus_57
- Track 178 : Schmidt_57
- Track 179 : Catfish_63
- Track 180 : JonJames_133, Yvonnetastic_129
- Track 181 : Cardigan_134
- Track 182 : DatBoi_82
- Track 183 : Bantam_85, SpeedDemon_860
- Track 184 : Mollymur_85
- Track 185 : Daredevil_75
- Track 186 : CherryTomatoes_78, SCentae_76, Pupper_77
- Track 187 : Skog_140
- Track 188 : Sephiroth_110
- Track 189 : Kudrefre_114
- Track 190 : Octobien14_110
- Track 191 : Syleon_115
- Track 192 : Neville_111
- Track 193 : Rabbitrun_113
- Track 194 : Trax_113
- Track 195 : Stark_38, Maxxinista_38, Emmina_38, Tarkin_39, Gage_39, NoSleep_38, HufflyPuff_36, Petra64142_39, FireRed_37, Hopey_39, Rakim_38, Adnama_40, Czyszczon1_38, StellaBean_37, AmericanBeauty_40, Elph10_38, Policronamos_38, Buck_36, Kostya_38, Kanye_39, TeardropMSU_36, Thresher_38, GoldenSpark_39, Moldemort_38, Sassay_36, 244_39, Argent26_39, BugsBunny_35, HanKaySha_38, MISSy_36, Nimrod_37, MadamMonkfish_37, Easy2Say_39, BilboSwaggins_37, Myrale_37, Manda_38, Dumbo_37, SophKB_37, YassJohnny_38, GooberAzure_39, Command613_38, Teaspoon_38, Miniwave_37, RiverMonster_37, PhatBacter_37, JeTaime_39, Icee_36, MPhalcon_36, CrystalP_37, Kimchi_39, Aziel_36, Saints25_38, StolenFromERC_39, Bask21_37, Stank_40, Tuco_38, Quallification_38, Palpatine_37, Hoonter_39, Traaww1_35, Cactus_38, Lilac_39, Filch_38, Barbarian_36, Phaux_36, Toto_37, Sotrice96_37, NelitzaMV_37, Terminus_37, Goldilocks_38, Murphy_38, Bench_39, Gator_35, Phrux_37, Simpliphy_38, Elite2014_36, Misfit_37, Wiggin_40, Highbury_38, Lilizi_39, Ukulele_37, ChosenOne_37, ABCat_36, Bruin_37, Xandras_39, Willez_36, DrDrey_38, Paperbeatsrock_39, Gemini_40, Cjw1_37, Nala_37, Marshmallow_37, ShamWow_37, Porky_37, TBrady12_39, Pumpkin_39, Lilpickle_36, xkcd_38, OrionPax_38, Rimmer_36, Pharsalus_38, Murica_36, Inca_36
- Track 196 : Tomaszewski_36, SirDuracell_36, Harella_36, Glexan_35, ChotaBhai_37, Daikon_36, Youngblood_37, Balomoji_36, BadStone_36,

Contagion_36, Mindy_37, Dusk_36, Flypotenuse_35, Mosby_36, Amao_37, BigBubba_38, Pat3_36, DoctorDiddles_37, Holt_38, Cookies_37, Henry_38

- Track 197 : Phaja_37, IHOP_37, ShereKhan_39
- Track 198 : BaboJay_37, Eureka_38, Goku_38
- Track 199 : Gack_33
- Track 200 : Loviatar_65, Icarian_39
- Track 201 : Doobus_35, AnnaLie_37, Albright_34, Burritobowl_36, LimaBean_35, Abigail_35, Finalfrontier_36, Arroyo_37, Avocadoman_35, SansAfet_37, BelmontSKP_37, BubbaBear_35, Johnathan_35, DickRichards_35
- Track 202 : Rollins_33, Coltrane_33, Brahms_33, Armstrong_33, Bernstein_33
- Track 203 : Shayna_36
- Track 204 : Skylord_33, Vitas_33, Clayda5_34
- Track 205 : SunnyD_38
- Track 206 : QMacho_38, Albedo_36, Nicky22_37, SarBear_36, Jovita_37, Kenzers_36, Swervy_37, Lynlen_36, Slay_37, Eula_37
- Track 207 : BabyDaisy_35
- Track 208 : Elva_38
- Track 209 : Franklin22_35
- Track 210 : SanaSana_39
- Track 211 : Quenya_35
- Track 212 : Eden_34
- Track 213 : Didgeridoo_38, Lahqtemish_35, TukTuk_37, Cashington_34
- Track 214 : ChiliPepper_33, Sharkboy_35
- Track 215 : FlameThrower_34
- Track 216 : Stromboli_37, DirtyBubble_36
- Track 217 : Kieran_34
- Track 218 : Celaena_34
- Track 219 : Dismas_34
- Track 220 : BabyYoda_37
- Track 221 : BAjuniper_35
- Track 222 : Phisb_37
- Track 223 : AvGardian_38
- Track 224 : Stoor_37
- Track 225 : Rona_34
- Track 226 : CroZenni_36
- Track 227 : Katzastrophic_35
- Track 228 : IndyLu_35
- Track 229 : Buldak_34
- Track 230 : Olliecat_34
- Track 231 : Wolfstar_31
- Track 232 : Alleb_29, Pioneer3_28, Platte_28, Hortus1_28, Tandem_28, OlinDD_28
- Track 233 : Lupine_29, Hubbs_30, DejaVu_31, Pavlo_29, Roman_30
- Track 234 : Jacko_31
- Track 235 : PhillyPhilly_30
- Track 236 : Fork_31
- Track 237 : Necrophoxinus_37, Erenyeager_35
- Track 238 : Welcome_36
- Track 239 : StevieWelch_35
- Track 240 : Musetta_35, Yuma_34
- Track 241 : Lyell_35
- Track 242 : ASegato_34
- Track 243 : RunningBrook_37, DustyDino_38
- Track 244 : GardenState_42, IAmGroot_42

- Track 245 : Floof_43
- Track 246 : Caron_44
- Track 247 : Cen1621_38
- Track 248 : Percival_43
- Track 249 : Zeta1847_35
- Track 250 : UtzChips_41, Barnstormer_41
- Track 251 : Honk_39
- Track 252 : SuMoo_44
- Track 253 : Mabodamaca_42
- Track 254 : Gretchen_42
- Track 255 : Count_87
- Track 256 : Kikiko_7
- Track 257 : MissAmericana_7
- Track 258 : Pollywog_85
- Track 259 : Kumotta_57, MargaretKali_53
- Track 260 : DunneganBoMo_101
- Track 261 : Patbob_109, Racecar_109, Talia1610_110, Bloom_112, Mimi_114
- Track 262 : Atuin_105
- Track 263 : SJReid_115
- Track 264 : CallinAllBarbz_34
- Track 265 : BaileyBlu_34
- Track 266 : Pitbull_57
- Track 267 : WaterT_52, LeeroyJenkins_54
- Track 268 : BarnCat_47
- Track 269 : Lifes_48
- Track 270 : Cassita_54
- Track 271 : A3Wally_218
- Track 272 : A3Wally_20, A3Wally_373
- Track 273 : PauloDiaboli_20, PauloDiaboli_375
- Track 274 : PauloDiaboli_218
- Track 275 : Big4_346, Big4_20
- Track 276 : Zooman_18, Zooman_331
- Track 277 : Zooman_185, Big4_204
- Track 278 : Cece_195
- Track 279 : Pumpnickel_201
- Track 280 : Serenabean_51
- Track 281 : Squint_50, Gonephishing_53
- Track 282 : Ejimix_52, Halley_52, HokkenD_45, EricMillard_52, Beem_52, Bagrid_51, Yeet_50, ThreeRngTarjay_50, Kalah2_52, Hughesyang_50, BAKA_56
- Track 283 : JuicyJay_54, Klein_52, DmpstrDiver_53, Schatzie_49, Odette_52
- Track 284 : Omega_56, Ariel_51, Lucky2013_51, LittleE_56, Courthouse_51, MiaZeal_51, Thibault_45, Porcelain_50, Superphikiman_51
- Track 285 : Minerva_58, Pound_54, Wanda_58, Bombitas_49, NihilNomen_51, Duke13_55, Optimus_57, Phoebus_51
- Track 286 : Bobby_51, Hannaconda_48, KashFlow_45
- Track 287 : Redno2_50, Dallas_54, Zelink_53
- Track 288 : Constella_44
- Track 289 : Dove_51
- Track 290 : Tachez_66, Zavala_69, Blizzard_66, Zabiza_62, CaseJules_68, DrHayes_67, Ramen_67, Emerson_68, Homura_66, Spock_66, Rosmarinus_66, ShiaSurprise_67, Lunahalos_66, ActinUp_66, Joy99_66, Peel_66, Belladonna_66, Padfoot_66, Angelica_66, Jayhawk_68, Inky_66, Padpat_69, Jeckyll_66, HedwigODU_66, Veliki_68, Hyperbowlee_66, BGIlluviae_66, TiniBug_67, Llorens_66,

Rapunzel97_68, Deby_67, YoureAdopted_66, Piatt_66, Beezoo_68, Mynx_68, Asayake_66, Ganymede_66, AlishaPH_66, BEEST_66, Geraldini_69, Twitch_66, Jarvi_66, Pokerus_66, Adephegia_66, Dalmuri_66, Urkel_67, BarrelRoll_67, TruffulaTree_67, Boiit_66, Bella96_67, CREW_66, JAWS_67, Atiba_67, QuincyRose_64, Capricorn_66, Durfee_66, Sulley_66, SamuelLPlaqson_67, Slimphazie_67, MeaningOfLife_67, Adonis_66, Topper_66

- Track 291 : Niklas_69, Shaobing_69, Peanam_69
- Track 292 : SgtBeansprout_56, Enkosi_57, Amelie_55, Nutello_55, Mdavu_56, Binglebops_55, LilPharaoh_56, Nikao_58
- Track 293 : Efra2_72
- Track 294 : Megsy_69
- Track 295 : CheetoDust_66, BaghaKamala_66
- Track 296 : TreyKay_68, LindNT_66, CrimD_68, Prithvi_68
- Track 297 : Curiosium_70
- Track 298 : Guanica15_71, Yunkel11_71
- Track 299 : Stinson_68, Devera_74, Murucutumbu_68, LaterM_67, Ageofdapage_70, Illumine_72, Dole_72
- Track 300 : Apocalypse_69
- Track 301 : Validus_71
- Track 302 : TaiwanKao_69
- Track 303 : LastHope_71
- Track 304 : Chris_69
- Track 305 : Nibb_69
- Track 306 : LeMond_70
- Track 307 : MarkPheW_69
- Track 308 : Scarlett_71, Oscar_70, KiSi_71
- Track 309 : Tiri_67
- Track 310 : Anaya_69
- Track 311 : Marcoliusprime_69, DismalStressor_69, DismalFunk_69
- Track 312 : Strobilo_70, Findley_69, Milly_69
- Track 313 : ZoeJ_68
- Track 314 : BoostSeason_69
- Track 315 : Mufasa_69
- Track 316 : TM4_67
- Track 317 : Pixie_67, TBond007_64
- Track 318 : MacnCheese_70
- Track 319 : Pharb_67, TribbleTrouble_68
- Track 320 : Hurricane_68, ShedlockHolmes_69
- Track 321 : MissDaisy_67
- Track 322 : Miryou_65, OkiRoe_61, Gengar_60
- Track 323 : Edugator_59, Dadosky_62, Leston_60, Paola_60, Psycho_60, Guillsminger_61, AlleyCat_62, Larva_61
- Track 324 : Kratio_58, Agent47_60, InvictusManeo_58, Collard_58
- Track 325 : SoSeph_61, Heftyboy_61, Feyre_63, Thyatira_63, Waterfoul_62
- Track 326 : Rando14_62
- Track 327 : Omnicron_64
- Track 328 : Shadow1_71, Sunflower1121_72, Syra333_70
- Track 329 : Unicorn_68, PhelpsODU_68
- Track 330 : Ellie_62
- Track 331 : SirPhilip_66
- Track 332 : Bryler_70, Tierra_70, Cain_70, Phrank_70
- Track 333 : Marshawn_66
- Track 334 : Amohnition_66, Hammy_66, DarthP_66

- Track 335 : Ekdilam_63
- Track 336 : Ximenita_72
- Track 337 : Fefferhead_64
- Track 338 : Yuna_71
- Track 339 : TClif_69
- Track 340 : Boilgate_63
- Track 341 : Rose5_30, Acquire49_30, Enceladus_30, OhShagHennessy_30, Calm_30, CicholasNage_30, Zaria_30, Wamburgxpress_30, JoeDirt_30, LeBron_30, Halena_30, Appletree2_30, Wyatt2_30, AvadaKedavra_30, UPIE_30, Silverleaf_30
- Track 342 : DirkDirk_30, MAckerman_30, Tyson_30
- Track 343 : Tourach_32
- Track 344 : Vatrix_32, Gardann_32, Wigglewiggles_32, Faith1_32, Winky_32, Wilder_32, DrSeegs_32, Finemlucis_32, Itos_32, Breezona_32, MkaliMitinis3_32, Gabriela_32, Netyap_32, Loadrie_32, BigCheese_32, Nicholasp3_32, BobsGarage_32, GuuelaD_32, Miley16_32, Crossroads_32
- Track 345 : Lewan_32, Rumpelstiltskin_32, Kahlid_32, Hafay_32
- Track 346 : Archie_32, Bazzle_32
- Track 347 : Claus_32
- Track 348 : Baoshan_31, ZhongYanYuan_31
- Track 349 : Zakai_32
- Track 350 : LilDestine_32
- Track 351 : Samty_31, Clautastrophe_31, Jubie_31, Kingsolomon_31, Nicholas_31, Lumos_31, MiniLon_31, MiniMac_31, Snenia_31, Finnry_31, MsGreen_31, Lolly9_31, Bellis_31
- Track 352 : Ellson_31, DuncansLeg_31
- Track 353 : Moostard_31, Jobypre_31
- Track 354 : Whirlwind_32
- Track 355 : Krypton555_31
- Track 356 : Bromden_32
- Track 357 : Douge_30
- Track 358 : Chaser_30, DyoEdafos_31
- Track 359 : Aegeus_33, Baudelaire_33
- Track 360 : TyDawg_39, Skinny_40, LilhomieP_38, Diminimus_40, Glaske16_40, Bongo_39, Bricole_39, IPHane7_39, Dulcita_40, PegLeg_39
- Track 361 : Auspice_39, SlimJimmy_38
- Track 362 : Reindeer_39
- Track 363 : Aziz_44, GenevaB15_44
- Track 364 : Rey_44
- Track 365 : GardenSalsa_44, MrMagoo_44
- Track 366 : Estes_45
- Track 367 : Nanosmite_44
- Track 368 : Panchino_48, Butters_53, Rubeelu_53, Kevin1_52
- Track 369 : BabeRuth_56, ShrimpFriedEgg_55, Jamie19_49, Redi_55, Andies_48, PhancyPhin_55, SpongeBob_49, Phrann_52, Nenae_55, Purgamenstris_55, Raymond7_49, Tapioca_52, Snekmaggon_49
- Track 370 : Phloss_48, Melville_54, Gex_50, Schnauzer_51, Magsby_50, Xerxes_50, Pipsqueaks_50, Carcharodon_50, Fulbright_49, ParmesanJohn_50, Smurph_50, Duplicity_50, Silvafighter_51, Chewbacca_52
- Track 371 : Journey_55
- Track 372 : Shweta_51
- Track 373 : Charlie_51, Bosection6_51
- Track 374 : Nilo_41, Zenon_41, Yelo_40, Send513_40, Candle_40
- Track 375 : Riparian_40, Rope_40, Papyrus_40, Weiss13_40

- Track 376 : MontyDev_40
- Track 377 : Khuang_61
- Track 378 : Cosmo_53, Wildcat_53, Azrael100_52, EniyanLRS_50, MaryV_53
- Track 379 : Kumao_40
- Track 380 : Mbo4_60
- Track 381 : Footloose_59
- Track 382 : GMA4_22
- Track 383 : Juicebox_39
- Track 384 : BFK20_ORF53
- Track 385 : DS6A_74
- Track 386 : EmiRose_45

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

The start number called the most often in the published annotations is 166, it was called in 192 of the 1021 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_39, A3Wally_218, ABCat_36, Acquire49_30, Adnama_40, Amao_37, AmericanBeauty_40, Appletree2_30, Archie_32, Argent26_39, Asriel_36, Atuin_105, AvadaKedavra_30, Azrael100_52, BadStone_36, Balomoji_36, Barbarian_36, Bask21_37, Bazzle_32, Bellis_31, Bench_39, Big4_204, BigBubba_38, BigCheese_32, BilboSwaggins_37, Bloom_112, BobsGarage_32, Breezona_32, Bromden_32, Bruin_37, Buck_36, BugsBunny_35, Cactus_38, Calm_30, Catfish_63, Cece_195, Chaser_30, ChosenOne_37, ChotaBhai_37, CicholasNage_30, Cjw1_37, Clautastrophe_31, Command613_38, Contagion_36, Cookies_37, Cosmo_53, Crossroads_32, CrystalP_37, Czyszczonek_38, Daikon_36, DoctorDiddles_37, DrDrey_38, DrSeegs_32, Dumbo_37, DuncansLeg_31, DunneganBoMo_101, Dusk_36, DyoEdafos_31, Easy2Say_39, Elite2014_36, Ellson_31, Elph10_38, Emmina_38, Enceladus_30, EniyanLRS_50, Faith1_32, Filch_38, Finemlucis_32, Finrly_31, FireRed_37, Flypotenuse_35, Gabriela_32, Gage_39, Gardann_32, Gator_35, Gemini_40, Glexan_35, GoldenSpark_39, Goldilocks_38, GooberAzure_39, Greely_81, Gspat1_55, GuuelaD_32, Halena_30, HanKaySha_38, Harella_36, Henry_38, Highbury_38, Holt_38, Hoonter_39, Hopey_39, HufflyPuff_36, Icee_36, Inca_36, Itos_32, JeTaime_39, JoeDirt_30, Jubie_31, Kanye_39, Kimchi_39, Kingsolomon_31, Kostya_38, Krypton555_31, LeBron_30, LilDestine_32, Lilac_39, Lilizi_39, Lilpickle_36, Loadrie_32, Lolly9_31, Lumos_31, MISSy_36, MPhalcon_36, MadamMonkfish_37, Manda_38, Marshmallow_37, MaryV_53, Maxxinista_38, Miley16_32, Mimi_114, Mindy_37, MiniLon_31, MiniMac_31, Miniwave_37, Misfit_37, MissDaisy_67, MkaliMitinis3_32, Moldemort_38, Mosby_36, MsGreen_31, Murica_36, Murphy_38, Myrale_37, Myrna_77, Nala_37, NelitzaMV_37, Netyap_32, Nicholas_31, Nicholasp3_32, Nimrod_37, NoSleep_38, OhShagHennessy_30, OrionPax_38, Palpatine_37, Paperbeatsrock_39, Pat3_36, Patbob_109, PauloDiaboli_218, Petra64142_39, Phabba_83, Pharsalus_38, PhatBacter_37, Phaux_36, Phrux_37, Policronamos_38, Porky_37, Pumpnickel_201, Pumpkin_39, Quallification_38, Racecar_109, Rakim_38, Rimmer_36, RiverMonster_37, Rose5_30, SJReid_115, Saints25_38, Samty_31, Sassay_36, Schmidt_57, ShamWow_37, Silverleaf_30, Simpliphy_38, SirDuracell_36, Snenia_31, SophKB_37, Sotrice96_37, Stank_40, Stark_38, StellaBean_37, StolenFromERC_39, TBrady12_39, Talia1610_110, Tarkin_39,

TeardropMSU_36, Teaspoon_38, Terminus_37, Thresher_38, Tomaszewski_36, Toto_37, Tourach_32, Traaww1_35, Tuco_38, UPIE_30, Ukulele_37, Vetrrix_32, Wamburgexpress_30, Whirlwind_32, Wiggin_40, Wigglewobble_32, Wildcat_53, Wilder_32, Willez_36, Winky_32, Wyatt2_30, Xandras_39, YassJohnny_38, Youngblood_37, Zakai_32, Zaria_30, Zooman_185, xkcd_38,

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

- Aegeus_33, Andies_48, Anglerfish_62, Arcanine_64, BabeRuth_56, Baoshan_31, Baudelaire_33, Boilgate_63, Bosection6_51, Butters_53, Carcharodon_50, Charlie_51, Chewbacca_52, Claus_32, DirkDirk_30, Douge_30, DrFeelGood_58, Dreamboat_63, Dulcie_62, Duplicity_50, Fulbright_49, Gex_50, Hafay_32, IHOP_37, Jamie19_49, Jasper_62, Jobypre_31, Journey_55, Kahlid_32, Kevin1_52, KyMonks1A_65, Lewan_32, MAckerman_30, Magnar_60, Magnito_60, Magsby_50, Manatee_62, Melville_54, Moostard_31, Mryolo_58, Nenae_55, Ohno789_62, Panchino_48, Parmesanjohn_50, Phaja_37, PhancyPhin_55, PherrisBueller_61, Phloss_48, Phrann_52, Pipsqueaks_50, Purgamenstris_55, Raymond7_49, Redi_55, Rubeelu_53, Rumpelstiltskin_32, Ruotula_64, Sandaddy_58, Schnauzer_51, ShereKhan_39, ShrimpFriedEgg_55, Shweta_51, Silvafighter_51, Slagathor_64, Smurph_50, Snekmaggon_49, Sorpresa_57, SpongeBob_49, Tapioca_52, Traft412_64, Tripl3t_65, Turj99_60, TwoPeat_63, Tyson_30, Xerxes_50, ZhongYanYuan_31,

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

- 40AC_59, A3Wally_20, A3Wally_373, A6_54, AEgle_32, AFIS_58, AGrandiflora_34, AN9_61, ANI8_61, ASegato_34, AbbyPaige_60, Abbyshoes_63, Abigail_35, Abrogate_610, Abscondus_124, Acme_64, Acolyte_53, ActinUp_66, Adephagia_66, Adolin_32, Adonis_66, Adumb2043_32, Adzzy_59, Aeneas_65, Agaliana_56, Agape74_60, Agent47_60, Ageofdapage_70, Aikoy_52, AinMach_35, Ajay_62, Alatin_45, Albedo_36, Albright_34, AlishaPH_66, Aliter_58, Alleb_29, AlleyCat_62, Alma_58, Alpacados_45, Alsfro_68, Altman_64, Alvin_62, Amelie_55, Amohntion_66, Amyev_33, Anaya_69, Anaysia_64, Aneem_58, Angelica_66, AngryOrchard_44, AnnaLie_37, Anon_61, Anselm_59, Anthony_54, Aphelion_125, Apocalypse_69, AppleCloud_43, Applejack_60, Ariel_51, Arissanae_57, Armstrong_33, Arroyo_37, Asa16_34, Asayake_66, Ascela_34, Ashballer_65, Atiba_67, Atkinbua_64, Auspice_39, AvGardian_38, Avocadoman_35, Aziz_44, BAKA_56, BAjuniper_35, BEEST_66, BFK20_ORF53, BGlluviae_66, BK1_54, BPBiabs31_64, BaboJay_37, BabyDaisy_35, BabyYoda_37, Bachita_128, Bachome_59, BaconJack_66, BaghaKamala_66, Bagrid_51, BaileyBlu_34, Banquo_62, Bantam_85, BarnCat_47, Barnstormer_41, BarrelRoll_67, Barriga_65, Battleship_66, Beatrix_61, Beem_52, Beemo_58, BeesKnees_64, Beezoo_68, Belenaria_46, Bella96_67, Belladonna_66, BelmontSKP_37, Benvolio_55, Bernstein_33, Berrie_34, Bethlehem_61, Bexan_59, Big3_63, Big4_20, Big4_346, BigPaolini_59, Bigfoot_54, Binglebops_55, Bircsak_61, Blizzard_66, Blue_61, BobSwaget_54, BobbyDazzler_46, Bobby_51, BogosyJay_57, Boiiii_66, Bombitas_49, Bonanza_46, Bongo_39, Boohoo_64, BoostSeason_69, Bowtie_58, Bradshaw_46, Brahms_33, Bricole_39, BrutonGaster_100, Bryce_45, Bryler_70, BubbaBear_35, Bud_57, Buggy_60, Buldak_34, Burritobowl_36, Burton_63, Buttons_59, Bxb1_56, C3_56, CREW_66, CactusRose_62, Cain_70, CallinAllBarbz_34, Candle_40, Capricorn_66, Caraxes_58, Cardigan_134, Carlyle_62, Caron_44, CaseJules_68, Cashington_34, Cassia_34, Cassita_54, Catalina_59, Celaena_34, Cen1621_38, Chanagan_56, Charm_56, Che12_59, CheetoDust_66, CherryTomatoes_78, ChiliPepper_33, ChipMunk_60, Chris_69, Ciao_60, Clayda5_34, ClubL_125, Collard_58, Coltrane_33, Community_34,

Conceptll_64, Conquerage_58, Constella_44, Corvo_63, CosmicSans_46, Count_87, Courthouse_51, Crewmate_37, CrimD_68, CroZenni_36, Crucio_58, Cucurbita_126, Culver_125, Curiosium_70, Cyan_33, D29_56, D32_59, DBQu4n_60, DD5_60, DS6A_74, Dadosky_62, Dallas_54, Dalmatian_59, Dalmuri_66, Dardanus_57, Daredevil_75, Darrell_60, DarthP_66, DarthPhader_54, DatBoi_82, Deby_67, DejaVu_31, DekHockey33_65, Devera_74, Dexes_62, DickRichards_35, Didgeridoo_38, Dignity_60, Diminimus_40, Dinger_45, DinoDaryn_63, DirtyBubble_36, DismalFunk_69, DismalStressor_69, Dismas_34, DmpstrDiver_53, Dole_72, Doobus_35, Doom_60, Dove_51, DrHayes_67, DrManhattan_32, DrSierra_32, DreamTeam1_56, DudeLittle_57, Duke13_55, Dulcita_40, Duplo_60, Durfee_66, Dussy_62, DustyDino_38, Dusty_121, Dynamix_64, EagleEye_60, Ebony_57, Echild_58, Eden_34, Edtherson_61, Edugator_59, Efra2_72, Eidsmoe_58, Ejimix_52, Ekdilam_63, Elephantoon_57, Elezi_34, Ellie_62, Elva_38, Emerson_68, EmiRose_45, Emotion_38, EmyBug_57, Engineer_127, Enkosi_57, Epsocamisio_61, Eraser_34, Erenyeager_35, EricMillard_52, Erik_46, Espica_46, Espresso_59, Estes_45, Et2Brutus_56, Eula_37, Euphoria_60, Eureka_38, EvilGenius_60, Exile_31, ExplosioNervosa_58, Eyeball_64, Fajezeel_63, Fameo_58, Fascinus_56, Fayely_58, Fefferhead_64, Fenn_64, Feyre_63, Fibonacci_57, Finalfrontier_36, Findley_69, FiringLine_58, FlameThrower_34, Flaverint_58, Floof_43, Footloose_59, Fork_31, Francis47_60, Franklin22_35, Froghopper_60, Fushigi_58, GMA4_22, Gack_33, GageAP_63, Gandalf20_64, Ganymede_66, GardenSalsa_44, GardenState_42, GenevaB15_44, Gengar_60, Georgie2_59, Geraldini_69, Gilberta_58, Glaske16_40, Goib_64, Goku_38, Gollum_46, Gompeii16_61, Gonephishing_53, Graduation_66, GrecoEtereo_61, Greg_63, Gretchen_42, Guanica15_71, Guillsminger_61, Gwendoluna_65, Gyzlar_57, Halley_52, Halsey_39, Hami1_54, Hammy_66, Hannaconda_48, Harlequin_45, HarryOW_60, HedwigODU_66, Heffalump_57, Heftyboy_61, Herbertwm_56, Hermia_60, Hiro_46, HokkenD_45, Homines_54, Homura_66, Honk_39, Hope4ever_63, HortumSL17_58, Hortus1_28, Hubbs_30, Huffy_63, Hughesyang_50, Hurricane_68, Hutc2_57, Hyperbowlee_66, IAmGroot_42, ILeeKay_64, IPhane7_39, Icarian_39, Ichabod_66, Illumine_72, Indlulamithi_37, IndyLu_35, Inky_66, Insomnia_58, InvictusManeo_58, Iter_34, IttyBittyPiggy_33, JAWS_67, JC27_65, JSwag_63, Jabith_58, Jacko_31, Janeemi_35, Jarvi_66, JasmineDragon_39, Jayhawk_68, Jeckyll_66, Jerm2_64, Jerm_60, Jester_45, Joemato_35, JohnDoe_33, Johnathan_35, JonJames_133, Jorgensen_65, Joselito_58, Journey13_52, Jovita_37, Joy99_66, Jsquared_56, Jstan_36, Juicebox_39, JuicyJay_54, JuliaChild_63, JuneStar_33, KBG_63, KSSJEB_62, Kalah2_52, Kanely_63, KashFlow_45, KatherineG_64, Katzastrophic_35, Kaylissa_33, KeAlii_33, Kenmech_65, Kenzers_36, Kerberos_60, Keziacharles14_58, Khuang_61, KiSi_71, Kieran_34, Kikiko_7, KingCyrus_60, Klein_52, Koduck_59, Kratio_58, Krishelle_46, Kudrefre_114, Kugel_64, Kumao_40, Kumotta_57, L5_56, Lahqtemish_35, Lamina13_66, Larenn_57, Larva_61, LastHope_71, LastResort_62, LaterM_67, LeMond_70, LeeroyJenkins_54, Lego_33, Leopard_52, Lesedi_58, Leston_60, Leviathan_60, Licorice_63, Liebe_36, Lifes_48, LilBib_62, LilPharaoh_56, LilTurb_59, LilhomieP_38, Lillie_46, LimaBean_35, LindNT_66, LittleE_56, Lizalica_32, Llorens_66, Lockley_59, Lokk_55, London_34, LoneWolf_59, Looper_63, Lopton_60, Loviatar_65, Lozinak_125, Lucivia_58, Lucky2013_51, Lucyedi_59, Lunahalos_66, Lupine_29, Lyell_35, Lynlen_36, MaCh_58, MaGuCo_34, Mabel_57, Mabodamaca_42, MacnCheese_70, Makemake_64, Malec_58, Maminiaina_57, Marcell_58, Marchy_53, Marcoliusprime_69, MargaretKali_53, Marge_59, MarkPhew_69, Maroc7_59, Marsha_61, Marshawn_66, MaryBeth_60, Maureen_36, Mbo4_60, Mdavu_56, MeaningOfLife_67, Megsy_69, MetalQZJ_59, MiaZeal_51, Michley_65, Miko_55, Milly_69, MinecraftSteve_64, Minerva_58, MiniMommy_41,

Miryou_65, Miskis_124, MissAmericana_7, MissSwiss_32, MissWhite_57, Mollymur_85, Monet_65, MontyDev_40, Moss_36, MrGordo_64, MrMagoo_44, Mudpuppy_33, Mufasa_69, Mulciber_57, Mule_59, Munch_58, Murucutumbu_68, Musetta_35, Mynx_68, Myxus_58, NEHalo_59, Naiad_45, Naira_64, Naji_60, Nancinator_46, Nanosmite_44, Natosaleda_45, Nebulosus_62, Necrophoxinus_37, Nedarya_60, Nerujay_64, Neville_111, Nibb_69, Nicky22_37, NihilNomen_51, Nikao_58, Niklas_69, Nilo_41, Niobe_34, Nitro_33, Niza_64, Norvs_124, Norz_62, NothingSpecial_56, Nutello_55, ObiToo_36, Octobien14_110, Odette_52, Odin_56, OkiRoe_61, OlinDD_28, Olliecat_34, Omega_56, Omnicron_64, OneUp_110, Onyinye_53, Oofda_65, Oogway_61, Optimus_57, Orange_57, Oscar_70, PSullivan_60, PacerPaul_61, PackMan_57, Padfoot_66, Padpat_69, PainterBoy_59, Paola_60, Papez_64, Papyrus_40, Paraselene_60, Pari_65, Partridge_45, PascalRango_60, PattyP_64, PauloDiaboli_20, PauloDiaboli_375, Pavlo_29, Payneful_58, Peanam_69, Peel_66, PegLeg_39, Pelly_62, Pepe_60, Percival_43, Perseus_61, Petersenfast_56, Peterson_66, Petruccio_62, Ph8s_59, Phaeder_58, PhailMary_45, Pharaoh_53, Pharb_67, PhelpsODU_68, PhillyPhilly_30, PhinkBoden_125, Phisb_37, Phives_35, Phlei_47, Phoebus_51, Phonnegut_58, Phrank_70, Phrankenstein_46, PhrostyMug_62, Piatt_66, PinkPlastic_62, Pinto_62, Pioneer3_28, Pioneer_58, Pippin_62, Pita2_63, Pitbull_57, Pixelle_34, Pixie_67, Platte_28, Pokerus_66, Pollywog_85, Pomar16_60, Porcelain_50, Pound_54, Power_57, Powerpuff_35, Prithvi_68, Priya_58, Psycho_60, Pumpkins_33, Pupper_77, QMacho_38, QTRLifeCrisis_62, Qobbit_58, QueenB2_57, QueenBeesly_58, Quenya_35, QuincyRose_64, RER2_39, RGL3_40, Rabbitrun_113, Rachaly_57, Rahalelujah_58, Rajelicia_62, Ramen_67, Rando14_62, Rapunzel97_68, Rasputin_46, ReMo_62, Redno2_50, Reedo_32, Refuge_56, Reindeer_39, Remus_64, Retro23_59, RexFury_45, Rey_44, Rhodalysa_46, Rhynn_60, RidgeCB_61, Ringer_62, Riparian_40, Rollins_33, Roman_30, Rona_34, Rope_40, Rosalind_62, Rosmarinus_66, Rubeus_60, Rufus_63, RunningBrook_37, Rutherford_64, SCentae_76, STLScum_70, Sagefire_64, Salz_56, SamuelLPlaqson_67, SanaSana_39, SansAfet_37, Sanya_57, SarBear_36, SarFire_61, Scarlett_71, Schatzie_49, Scherzo_58, ScoobyDoobyDoo_73, Scowl_63, SemperFi_59, Send513_40, Sephiroth_110, Serenabean_51, Serenity_58, SgtBeansprout_56, Shadow1_71, ShakeltOph_41, Sham4_57, Shaobing_69, Sharkboy_35, ShayRa_64, Shayna_36, SheaKeira_56, ShedlockHolmes_69, ShiaSurprise_67, ShortQueendom_54, Shuman_46, Simpson_35, SirPhilip_66, Skinny_40, Skog_140, Skylord_33, Slay_37, SlimJimmy_38, Slimphazie_67, Smairt_64, Smeagan_61, Smeagol_64, Smoothie_126, SnapTap_58, Snape_57, Snazzy_60, Snek_33, SoSeph_61, Solon_61, Soondubu_31, Soups_64, SpeedDemon_860, SpikeBT_60, Splinter_63, Spock_66, Spouty_56, Squee_63, Squint_50, StCroix_45, StarStuff_60, Steamy_54, StevieWelch_35, StewieG_57, Stinson_68, Stoor_37, Strobilo_70, Stromboli_37, StrongArm_60, Strosahl_64, SuMoo_44, Sue2_34, Sulley_66, Sumter_58, Sunflower1121_72, SunnyD_38, Sunshine924_67, Superchunk_56, Superphikiman_51, Swann_46, SweetiePie_58, Swervy_37, SwirlSquare_63, Switzerland_63, Swole_61, Syleon_115, Syra333_70, TBond007_64, TClif_69, TM4_67, TWAMP_46, TZGordon_64, Tachez_66, TaiwanKao_69, Takoda_46, Tallboi_33, Tandem_28, Target_64, Tbone_32, Teodoridan_60, TforTroy_34, TheloniousMonk_65, Thibault_45, Thonko_81, Thor_61, ThreeRngTarjay_50, Thyatira_63, Tian_33, Tierra_70, Timothy_57, TinaLin_62, TiniBug_67, TinyTimmy_56, TipsytheTRex_54, Tiri_67, Toaka_58, Tomathan_60, Toniann_125, Topper_66, Tote_58, Trax_113, Treddle_63, TreyKay_68, TripleTrouble_68, Trouble_63, TruffulaTree_67, Tubs_58, Tuck_36, TukTuk_37, Turab_32, Turbido_59, Tutumahutu_33, Tweety19_33, Twitch_66, TyDawg_39, Ugenie5_55, UhSalsa_46, Unicorn_68, Urkel_67, UtzChips_41,

VC3_61, VResidence_33, Validus_71, Vanisoa_58, Veliki_68, Vendetta_63, Violet_60, Vitas_33, VroomVroom_39, Waits_64, Wanda_58, Warda_33, WaterT_52, Waterfoul_62, Weiss13_40, Welcome_36, Whabigail7_59, Wheeler_64, Wildwest_33, WilliamBoone_123, Wolfstar_31, Ximenita_72, Yang_33, Yecey3_59, Yeet_50, Yelo_40, YesChef_33, Yogi_45, Yoncess_45, YoureAdopted_66, Yuma_34, Yuna_71, Yunkel11_71, Yvonnestic_129, Zabiza_62, Zavala_69, Zelink_53, Zenon_41, Zeta1847_35, Zeuska_67, Zimmer_55, ZoeJ_68, Zooman_18, Zooman_331,

Summary by start number:

Start 107:

- Found in 4 of 1128 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 1021
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AN9_61 (A2), ANI8_61 (A2), C3_56 (A2), VC3_61 (A2),

Start 108:

- Found in 4 of 1128 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 1021
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Cen1621_38 (EH),

Start 119:

- Found in 15 of 1128 (1.3%) of genes in pham
- Manual Annotations of this start: 6 of 1021
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Atkinbua_64 (A1), Makemake_64 (A1), Pinto_62 (A1), Pollywog_85 (F1), RidgeCB_61 (A1), Rufus_63 (A1),

Start 120:

- Found in 133 of 1128 (11.8%) of genes in pham
- Manual Annotations of this start: 32 of 1021
- Called 25.6% of time when present
- Phage (with cluster) where this start called: Acme_64 (A1), Aeneas_65 (A1), Anglerfish_62 (A1), BPBiebs31_64 (A1), Bethlehem_61 (A1), Buttons_59 (A1), Dynamix_64 (A1), Espresso_59 (A1), Fajezeel_63 (A1), Fascinus_56 (A1), Fushigi_58 (A1), Greg_63 (A1), Hami1_54 (A1), HarryOW_60 (A1), KBG_63 (A1), KSSJEB_62 (A1), Kenmech_65 (A1), Kugel_64 (A1), Lamina13_66 (A1), Manatee_62 (A1), Maroc7_59 (A1), PacerPaul_61 (A1), Papez_64 (A1), PattyP_64 (A1), PhrostyMug_62 (A1), Pippin_62 (A1), Pita2_63 (A1), Rhynn_60 (A1), Rutherford_64 (A1), SarFire_61 (A1), Scowl_63 (A1), Serenabean_51 (HA), Treddle_63 (A1), Trouble_63 (A1),

Start 121:

- Found in 6 of 1128 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 1021
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Floof_43 (EH),

Start 122:

- Found in 152 of 1128 (13.5%) of genes in pham

- Manual Annotations of this start: 105 of 1021
- Called 73.7% of time when present
- Phage (with cluster) where this start called: A6_54 (A1), AFIS_58 (A1), Abbysshoes_63 (A1), Agaliana_56 (A1), Ajay_62 (A1), Alsfro_68 (A1), Altman_64 (A1), Alvin_62 (A1), Arcanine_64 (A1), Ashballer_65 (A1), BK1_54 (A1), BaconJack_66 (A1), Barriga_65 (A1), Beatrix_61 (A1), BeesKnees_64 (A1), Bexan_59 (A1), Big3_63 (A1), BigPaolini_59 (A1), Bigfoot_54 (A1), Bircsak_61 (A1), Burton_63 (A1), Bxb1_56 (A1), CactusRose_62 (A1), Carlyle_62 (A1), Chanagan_56 (A1), Ciao_60 (A1), Conceptll_64 (A1), Corvo_63 (A1), DD5_60 (A1), Dexes_62 (A1), Doom_60 (A1), Dreamboat_63 (A1), Dussy_62 (A1), Edtherson_61 (A1), Euphoria_60 (A1), Eyeball_64 (A1), Fenn_64 (A1), Francis47_60 (A1), Froghopper_60 (A1), GageAP_63 (A1), Gandalf20_64 (A1), Gompeii16_61 (A1), Graduation_66 (A1), GrecoEtereo_61 (A1), Hermia_60 (A1), Homines_54 (A1), Hope4ever_63 (A1), ILeeKay_64 (A1), Ichabod_66 (A1), JC27_65 (A1), Jasper_62 (A1), Jerm2_64 (A1), Jorgensen_65 (A1), JuliaChild_63 (A1), Kanely_63 (A1), Lesedi_58 (A1), Licorice_63 (A1), LilBib_62 (A1), Lockley_59 (A1), Marcell_58 (A1), Marge_59 (A1), Marsha_61 (A1), MaryBeth_60 (A1), MetalQZJ_59 (A1), Michley_65 (A1), Monet_65 (A1), MrGordo_64 (A1), Mule_59 (A1), NEHalo_59 (A1), Naira_64 (A1), Nerujay_64 (A1), Niza_64 (A1), Norz_62 (A1), Ohno789_62 (A1), PSullivan_60 (A1), Paraselene_60 (A1), Pari_65 (A1), PascalRango_60 (A1), Payneful_58 (A1), Pelly_62 (A1), Pepe_60 (A1), Perseus_61 (A1), Peterson_66 (A1), Petruccio_62 (A1), PherrisBueller_61 (A1), PinkPlastic_62 (A1), QTRlifeCrisis_62 (A1), Rajelicia_62 (A1), Sagefire_64 (A1), ShortQueendom_54 (A1), Slagathor_64 (A1), Smairt_64 (A1), Smeagol_64 (A1), Snazzy_60 (A1), Solon_61 (A1), SpikeBT_60 (A1), Squee_63 (A1), StewieG_57 (A1), StrongArm_60 (A1), Sumter_58 (A1), Sunshine924_67 (A1), Swole_61 (A1), Target_64 (A1), Teodoridan_60 (A1), TheloniousMonk_65 (A1), Thor_61 (A1), Tote_58 (A1), Turj99_60 (A1), TwoPeat_63 (A1), Violet_60 (A1), Wheeler_64 (A1), Zeuska_67 (A1),

Start 123:

- Found in 14 of 1128 (1.2%) of genes in pham
- Manual Annotations of this start: 10 of 1021
- Called 92.9% of time when present
- Phage (with cluster) where this start called: Barnstormer_41 (EH), Caron_44 (EH), GardenState_42 (EH), Gretchen_42 (EH), Halsey_39 (AZ), Honk_39 (EH), IAmGroot_42 (EH), Mabodamaca_42 (EH), Moss_36 (AZ), Percival_43 (EH), SuMoo_44 (EH), UtzChips_41 (EH), Zeta1847_35 (EH),

Start 124:

- Found in 11 of 1128 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 1021
- Called 9.1% of time when present
- Phage (with cluster) where this start called: Juicebox_39 (singleton),

Start 125:

- Found in 124 of 1128 (11.0%) of genes in pham
- Manual Annotations of this start: 115 of 1021
- Called 99.2% of time when present
- Phage (with cluster) where this start called: 40AC_59 (A17), AbbyPaige_60 (A2), Acolyte_53 (A2), Adzzy_59 (A2), Agape74_60 (A2), Aliter_58 (A9), Alma_58 (A9), Aneem_58 (A11), Anselm_59 (A2), Arissanae_57 (A9), Bachome_59 (A11), Beemo_58 (A9), Benvolio_55 (A2), BobSwaget_54 (A2), BogosyJay_57 (A9), Bowtie_58 (A11), Bud_57 (A11), Bugsy_60 (A2), Caraxes_58 (A2), Catalina_59 (A9),

Charm_56 (A9), Che12_59 (A2), ChipMunk_60 (A2), Conquerage_58 (A9), Crucio_58 (A2), D29_56 (A2), D32_59 (A2), DBQu4n_60 (A2), Dalmatian_59 (A2), Darrell_60 (A9), Dignity_60 (A2), DreamTeam1_56 (A9), DudeLittle_57 (A2), Duplo_60 (A2), Ebony_57 (A11), Echid_58 (A2), Eidsmoe_58 (A9), Elephantoon_57 (A9), EmyBug_57 (A9), Et2Brutus_56 (A11), EvilGenius_60 (A2), Fameo_58 (A2), Fayely_58 (A9), Fibonacci_57 (A11), FiringLine_58 (A2), Flaverint_58 (A11), Georgie2_59 (A2), Gilberta_58 (A11), Heffalump_57 (A2), Herbertwm_56 (A2), HortumSL17_58 (A9), Hutc2_57 (A11), Insomnia_58 (A11), Jabith_58 (A11), Jerm_60 (A2), Joselito_58 (A11), Journey13_52 (A2), Kerberos_60 (A2), Keziacharles14_58 (A9), KingCyrus_60 (A2), Koduck_59 (A2), L5_56 (A2), Larenn_57 (A2), Leviathan_60 (A2), LilTurb_59 (A2), Lokk_55 (A2), LoneWolf_59 (A9), Lucivia_58 (A11), MaCh_58 (A11), Mabel_57 (A11), Malec_58 (A2), Maminiaina_57 (A9), Miko_55 (A2), MissWhite_57 (A2), Mulciber_57 (A11), Munch_58 (A11), Myxus_58 (A9), Naji_60 (A2), NothingSpecial_56 (A2), Odin_56 (A2), Orange_57 (A11), PackMan_57 (A9), Petersenfast_56 (A11), Ph8s_59 (A2), Phaeder_58 (A9), Pharaoh_53 (A12), Phonnegut_58 (A9), Pioneer_58 (A9), Pomar16_60 (A2), Power_57 (A2), Priya_58 (A9), Qobbit_58 (A9), QueenB2_57 (A2), QueenBeesly_58 (A2), Rachaly_57 (A2), Rahalelujah_58 (A9), Refuge_56 (A12), Retro23_59 (A2), Salz_56 (A11), Scherzo_58 (A9), SemperFi_59 (A2), Sham4_57 (A11), SheaKeira_56 (A9), Smeagan_61 (A2), SnapTap_58 (A2), Snape_57 (A11), Spouty_56 (A9), StarStuff_60 (A2), Steamy_54 (A12), Superchunk_56 (A2), SweetiePie_58 (A2), SwirlSquare_63 (A2), Timothy_57 (A11), TinyTimmy_56 (A11), Toaka_58 (A9), Tomathan_60 (A2), Tubs_58 (A9), Turbido_59 (A2), Ugenie5_55 (A9), Vanisoa_58 (A9), Whabigail7_59 (A2), Yecey3_59 (A9), Zimmer_55 (A12),

Start 126:

- Found in 164 of 1128 (14.5%) of genes in pham
- Manual Annotations of this start: 7 of 1021
- Called 5.5% of time when present
- Phage (with cluster) where this start called: Emotion_38 (AZ4), Footloose_59 (singleton), Gyzlar_57 (A1), JasmineDragon_39 (AZ4), Lopton_60 (A1), MiniMommy_41 (AZ4), Rubeus_60 (A1), ShakeltOph_41 (AZ4), VroomVroom_39 (AZ4),

Start 127:

- Found in 15 of 1128 (1.3%) of genes in pham
- Manual Annotations of this start: 9 of 1021
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Anthony_54 (A20), DARTHPhader_54 (A12), EagleEye_60 (A16), Jsquared_56 (A2), PainterBoy_59 (A16), Phlei_47 (A13), Serenity_58 (A2), Snek_33 (AZ3), TipsytheTRex_54 (A2), Tweety19_33 (AZ3),

Start 129:

- Found in 18 of 1128 (1.6%) of genes in pham
- Manual Annotations of this start: 11 of 1021
- Called 88.9% of time when present
- Phage (with cluster) where this start called: AinMach_35 (AZ), DrFeelGood_58 (A1), Dulcie_62 (A1), Kikiko_7 (EM2), Kumotta_57 (FB), KyMonks1A_65 (A1), Magnar_60 (A1), Magnito_60 (A1), MargaretKali_53 (FB), MissAmericana_7 (EM2), Mryolo_58 (A1), Ruotula_64 (A1), Sandaddy_58 (A1), Sorpresa_57 (A1), Traft412_64 (A1), Tripl3t_65 (A1),

Start 131:

- Found in 11 of 1128 (1.0%) of genes in pham
- No Manual Annotations of this start.
- Called 18.2% of time when present
- Phage (with cluster) where this start called: Khuang_61 (UNK), Mbo4_60 (singleton),

Start 136:

- Found in 8 of 1128 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 1021
- Called 25.0% of time when present
- Phage (with cluster) where this start called: PhillyPhilly_30 (ED1), Rabbitrun_113 (DU2),

Start 137:

- Found in 5 of 1128 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 1021
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Abrogate_610 (A1), Applejack_60 (A1), Ringer_62 (A1), STLscum_70 (A1),

Start 141:

- Found in 3 of 1128 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 1021
- Called 66.7% of time when present
- Phage (with cluster) where this start called: BrutonGaster_100 (CQ2), OneUp_110 (CQ2),

Start 142:

- Found in 6 of 1128 (0.5%) of genes in pham
- Manual Annotations of this start: 3 of 1021
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Adumb2043_32 (AZ1), IttyBittyPiggy_33 (AZ1), KeAlii_33 (AZ1), Tallboi_33 (AZ1), Turab_32 (AZ1),

Start 144:

- Found in 13 of 1128 (1.2%) of genes in pham
- Manual Annotations of this start: 11 of 1021
- Called 84.6% of time when present
- Phage (with cluster) where this start called: Bongo_39 (M1), Bricole_39 (M1), Diminimus_40 (M1), Dulcita_40 (M1), Glaske16_40 (M1), IPHane7_39 (M1), LilhomieP_38 (M1), PegLeg_39 (M1), Reindeer_39 (M1), Skinny_40 (M1), TyDawg_39 (M1),

Start 145:

- Found in 30 of 1128 (2.7%) of genes in pham
- Manual Annotations of this start: 23 of 1021
- Called 96.7% of time when present
- Phage (with cluster) where this start called: AGrandiflora_34 (AZ1), Ascela_34 (AZ1), Berrie_34 (AZ1), Cassia_34 (AZ1), Community_34 (AZ1), Cyan_33 (AZ1), DrSierra_32 (AZ1), Iter_34 (AZ1), Janeemi_35 (AZ1), Joemato_35 (AZ1), JohnDoe_33 (AZ1), JuneStar_33 (AZ1), Kaylissa_33 (AZ1), Lego_33 (AZ1), Lizalica_32 (AZ1), Nitro_33 (AZ1), Phives_35 (AZ1), Powerpuff_35 (AZ1),

Pumpkins_33 (AZ1), Simpson_35 (AZ1), Sue2_34 (AZ1), Tbone_32 (AZ1), TforTroy_34 (AZ1), Tuck_36 (AZ1), Tutumahutu_33 (AZ1), Warda_33 (AZ1), Wildwest_33 (AZ1), Yang_33 (AZ1), YesChef_33 (AZ1),

Start 146:

- Found in 6 of 1128 (0.5%) of genes in pham
- Manual Annotations of this start: 3 of 1021
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amyev_33 (AZ1), Crewmate_37 (AZ1), Mudpuppy_33 (AZ1), ObiToo_36 (AZ1), Pixelle_34 (AZ1), Tian_33 (AZ1),

Start 147:

- Found in 17 of 1128 (1.5%) of genes in pham
- Manual Annotations of this start: 13 of 1021
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_124 (CQ), Aphelion_125 (CQ1), Bantam_85 (DL), Cardigan_134 (DD), ClubL_125 (CQ1), Culver_125 (CQ1), Daredevil_75 (DL), DatBoi_82 (DL), Dusty_121 (CQ), JonJames_133 (DD), Lozinak_125 (CQ1), Miskis_124 (CQ), Mollymur_85 (DL), Norvs_124 (CQ), Smoothie_126 (CQ1), SpeedDemon_860 (DL), Yvonnetastic_129 (DD),

Start 148:

- Found in 13 of 1128 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 1021
- Called 15.4% of time when present
- Phage (with cluster) where this start called: Journey_55 (N), Shweta_51 (N),

Start 149:

- Found in 10 of 1128 (0.9%) of genes in pham
- Manual Annotations of this start: 7 of 1021
- Called 70.0% of time when present
- Phage (with cluster) where this start called: Bachita_128 (CQ1), Boilgate_63 (K8), Cucurbita_126 (CQ1), Engineer_127 (CQ1), PhinkBoden_125 (CQ1), Toniann_125 (CQ1), WilliamBoone_123 (CQ1),

Start 151:

- Found in 2 of 1128 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1021
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kumao_40 (singleton), Reedo_32 (AZ1),

Start 152:

- Found in 3 of 1128 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1021
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Nedarya_60 (A15),

Start 153:

- Found in 39 of 1128 (3.5%) of genes in pham
- Manual Annotations of this start: 31 of 1021
- Called 84.6% of time when present
- Phage (with cluster) where this start called: Andies_48 (N), BabeRuth_56 (N), Bosection6_51 (N), Butters_53 (N), Carcharodon_50 (N), Charlie_51 (N),

Chewbacca_52 (N), Duplicity_50 (N), Fulbright_49 (N), Gex_50 (N), Jamie19_49 (N), Kevin1_52 (N), Magsby_50 (N), Melville_54 (N), Nenae_55 (N), Panchino_48 (N), Parmesanjohn_50 (N), PhancyPhin_55 (N), Phloss_48 (N), Phrann_52 (N), Pipsqueaks_50 (N), Purgamenstris_55 (N), Raymond7_49 (N), Redi_55 (N), Rubeelu_53 (N), Schnauzer_51 (N), ShrimpFriedEgg_55 (N), Silvafighter_51 (N), Smurph_50 (N), Snekmaggedon_49 (N), SpongeBob_49 (N), Tapioca_52 (N), Xerxes_50 (N),

Start 154:

- Found in 22 of 1128 (2.0%) of genes in pham
- Manual Annotations of this start: 21 of 1021
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anaysia_64 (A15), Anon_61 (A15), Battleship_66 (A15), Boohoo_64 (A15), DekHockey33_65 (A15), Epsocamisio_61 (A15), JSwag_63 (A15), KatherineG_64 (A15), LastResort_62 (A15), Looper_63 (A15), MinecraftSteve_64 (A15), Nebulosus_62 (A15), Oofda_65 (A15), Oogway_61 (A1), ReMo_62 (A15), Remus_64 (A15), Rosalind_62 (A15), ShayRa_64 (A15), Soups_64 (A15), Strosahl_64 (A15), Switzerland_63 (A15), Waits_64 (A15),

Start 155:

- Found in 40 of 1128 (3.5%) of genes in pham
- Manual Annotations of this start: 37 of 1021
- Called 97.5% of time when present
- Phage (with cluster) where this start called: Alatin_45 (CA), Alpacados_45 (CA), AngryOrchard_44 (CA), AppleCloud_43 (CA), Belenaria_46 (CA), BobbyDazzler_46 (CA), Bonanza_46 (CA), Bradshaw_46 (CA), Bryce_45 (CA), CosmicSans_46 (CA), Dinger_45 (CA), Erik_46 (CA), Espica_46 (CA), Gollum_46 (CA), Harlequin_45 (CA), Hiro_46 (CA), Jester_45 (CA), Krishelle_46 (CA), Lillie_46 (CA), Lucyedi_59 (A16), Naiad_45 (CA), Nancinator_46 (CA), Natosaleda_45 (CA), Partridge_45 (CA), PhailMary_45 (CA), Phrankenstien_46 (CA), RER2_39 (CA), RGL3_40 (CA), Rasputin_46 (CA), RexFury_45 (CA), Rhodalysa_46 (CA), Shuman_46 (CA), StCroix_45 (CA), Swann_46 (CA), TWAMP_46 (CA), Takoda_46 (CA), UhSalsa_46 (CA), Yogi_45 (CA), Yoncess_45 (CA),

Start 156:

- Found in 2 of 1128 (0.2%) 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_ORF53 (singleton),

Start 157:

- Found in 2 of 1128 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1021
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Count_87 (EL), Rey_44 (M2),

Start 158:

- Found in 7 of 1128 (0.6%) of genes in pham
- Manual Annotations of this start: 7 of 1021
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aziz_44 (M2), EmiRose_45 (singleton), Estes_45 (M2), GardenSalsa_44 (M2), GenevaB15_44 (M2), MrMagoo_44 (M2), Nanosmite_44 (M3),

Start 159:

- Found in 17 of 1128 (1.5%) of genes in pham
- Manual Annotations of this start: 15 of 1021
- Called 94.1% of time when present
- Phage (with cluster) where this start called: Candle_40 (R), Kudrefre_114 (DU1), MontyDev_40 (R), Neville_111 (DU2), Nilo_41 (R), Octobien14_110 (DU1), Papyrus_40 (R), Riparian_40 (R), Rope_40 (R), Send513_40 (R), Sephiroth_110 (DU1), Syleon_115 (DU1), Trax_113 (DU2), Weiss13_40 (R), Yelo_40 (R), Zenon_41 (R),

Start 160:

- Found in 45 of 1128 (4.0%) of genes in pham
- Manual Annotations of this start: 9 of 1021
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Armstrong_33 (EB), Auspice_39 (M1), Bernstein_33 (EB), Brahms_33 (EB), ChiliPepper_33 (EB), Coltrane_33 (EB), Rollins_33 (EB), Sharkboy_35 (EB), SlimJimmy_38 (M1),

Start 161:

- Found in 120 of 1128 (10.6%) of genes in pham
- Manual Annotations of this start: 7 of 1021
- Called 5.8% of time when present
- Phage (with cluster) where this start called: BaileyBlu_34 (FP), CallinAllBarbz_34 (FP), CherryTomatoes_78 (DO), ExplosioNervosa_58 (A9), Pupper_77 (DO), SCentae_76 (DO), Skog_140 (DO),

Start 162:

- Found in 3 of 1128 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Pitbull_57 (FQ),

Start 163:

- Found in 11 of 1128 (1.0%) of genes in pham
- Manual Annotations of this start: 11 of 1021
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apocalypse_69 (K1), Banquo_62 (CU1), Dardanus_57 (CU3), DinoDaryn_63 (CU1), Goib_64 (CU1), Huffy_63 (CU1), Indlulamithi_37 (AC), Splinter_63 (CU1), TZGordon_64 (CU1), TinaLin_62 (CU1), Vendetta_63 (CU1),

Start 164:

- Found in 169 of 1128 (15.0%) of genes in pham
- Manual Annotations of this start: 163 of 1021
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ActinUp_66 (K1), Adephegia_66 (K1), Adonis_66 (K1), Agent47_60 (K5), Ageofdapage_70 (K1), Aikoy_52 (AE), AlishaPH_66 (K1), AlleyCat_62 (K5), Amelie_55 (K1), Amohntion_66 (K6), Anaya_69 (K1), Angelica_66 (K1), Asayake_66 (K1), Atiba_67 (K1), BEEST_66 (K1), BGlluviae_66 (K1), BaboJay_37 (E), BaghaKamala_66 (K1), BarrelRoll_67 (K1), Beezoo_68 (K1), Bella96_67 (K1), Belladonna_66 (K1), Binglebops_55 (K1), Blizzard_66 (K1), Boiiii_66 (K1), BoostSeason_69 (K2), Bryler_70 (K6), CREW_66

(K1), Cain_70 (K6), Capricorn_66 (K1), CaseJules_68 (K1), CheetoDust_66 (K1), Chris_69 (K1), Collard_58 (K5), CrimD_68 (K1), Curiosium_70 (K1), DS6A_74 (singleton), Dadosky_62 (K5), Dalmuri_66 (K1), DarthP_66 (K6), Deby_67 (K1), Devera_74 (K1), DismalFunk_69 (K2), DismalStressor_69 (K2), Dole_72 (K1), DrHayes_67 (K1), Durfee_66 (K1), Edugator_59 (K5), Efra2_72 (K1), Ekdilam_63 (K6), Ellie_62 (K6), Emerson_68 (K1), Enkosi_57 (K1), Eureka_38 (E), Fefferhead_64 (K6), Feyre_63 (K5), Findley_69 (K2), Ganymede_66 (K1), Gengar_60 (K5), Geraldini_69 (K1), Goku_38 (E), Guanica15_71 (K1), Guillsminger_61 (K5), Hammy_66 (K6), HedwigODU_66 (K1), Heftyboy_61 (K5), Homura_66 (K1), Hurricane_68 (K3), Hyperbowlee_66 (K1), Illumine_72 (K1), Inky_66 (K1), InvictusManeo_58 (K5), JAWS_67 (K1), Jarvi_66 (K1), Jayhawk_68 (K1), Jeckyll_66 (K1), Joy99_66 (K1), KiSi_71 (K1), Kratio_58 (K5), Larva_61 (K5), LastHope_71 (K1), LaterM_67 (K1), LeMond_70 (K1), Leopard_52 (AE), Leston_60 (K5), LilPharaoh_56 (K1), LindNT_66 (K1), Llorens_66 (K1), Lunahalos_66 (K1), MacnCheese_70 (K3), Marcoliusprime_69 (K2), MarkPhew_69 (K1), Marshawn_66 (K6), Mdavu_56 (K1), MeaningOfLife_67 (K1), Megsy_69 (K1), Milly_69 (K2), Miryou_65 (K5), Mufasa_69 (K2), Murucutumbu_68 (K1), Mynx_68 (K1), Nibb_69 (K1), Nikao_58 (K1), Niklas_69 (K1), Nutello_55 (K1), OkiRoe_61 (K5), Omnicron_64 (K5), Onyinye_53 (AE), Oscar_70 (K1), Padfoot_66 (K1), Padpat_69 (K1), Paola_60 (K5), Peanam_69 (K1), Peel_66 (K1), Pharb_67 (K3), PhelpsODU_68 (K6), Phrank_70 (K6), Piatt_66 (K1), Pixie_67 (K3), Pokerus_66 (K1), Prithvi_68 (K1), Psycho_60 (K5), QuincyRose_64 (K1), Ramen_67 (K1), Rando14_62 (K5), Rapunzel97_68 (K1), Rosmarinus_66 (K1), SamuelLPlaqson_67 (K1), Scarlett_71 (K1), SgtBeansprout_56 (K1), Shadow1_71 (K6), Shaobing_69 (K1), ShedlockHolmes_69 (K3), ShiaSurprise_67 (K1), SirPhilip_66 (K6), Slimphazie_67 (K1), SoSeph_61 (K5), Spock_66 (K1), Stinson_68 (K1), Strobilo_70 (K2), Sulley_66 (K1), Sunflower1121_72 (K6), Syra333_70 (K6), TBond007_64 (K3), TClif_69 (K6), TM4_67 (K2), Tachez_66 (K1), TaiwanKao_69 (K1), Thyatira_63 (K5), Tierra_70 (K6), TiniBug_67 (K1), Tiri_67 (K1), Topper_66 (K1), TreyKay_68 (K1), TribbleTrouble_68 (K3), TruffulaTree_67 (K1), Twitch_66 (K1), Unicorn_68 (K6), Urkel_67 (K1), Validus_71 (K1), Veliki_68 (K1), Waterfoul_62 (K5), Ximenita_72 (K6), YoureAdopted_66 (K1), Yuna_71 (K6), Yunkel11_71 (K1), Zabiza_62 (K1), Zavala_69 (K1), ZoeJ_68 (K2),

Start 165:

- Found in 10 of 1128 (0.9%) of genes in pham
- Manual Annotations of this start: 7 of 1021
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AEgle_32 (AZ1), Adolin_32 (AZ1), Asa16_34 (AZ1), DrManhattan_32 (AZ1), Elezi_34 (AZ1), Eraser_34 (AZ1), GMA4_22 (singleton), Jstan_36 (AZ1), London_34 (AZ1), Niobe_34 (AZ1),

Start 166:

- Found in 286 of 1128 (25.4%) of genes in pham
- Manual Annotations of this start: 192 of 1021
- Called 73.8% of time when present
- Phage (with cluster) where this start called: 244_39 (E), A3Wally_218 (GD1), ABCat_36 (E), Acquire49_30 (L1), Adnama_40 (E), Amao_37 (E), AmericanBeauty_40 (E), Appletree2_30 (L1), Archie_32 (L2), Argent26_39 (E), Asriel_36 (E), Atuin_105 (FC), AvadaKedavra_30 (L1), Azrael100_52 (V), BadStone_36 (E), Balomoji_36 (E), Barbarian_36 (E), Bask21_37 (E), Bazzle_32 (L2), Bellis_31 (L3), Bench_39 (E), Big4_204 (GD2), BigBubba_38 (E), BigCheese_32 (L2), BilboSwaggins_37 (E), Bloom_112 (FC), BobsGarage_32 (L2),

Breezona_32 (L2), Bromden_32 (L4), Bruin_37 (E), Buck_36 (E), BugsBunny_35 (E), Cactus_38 (E), Calm_30 (L1), Catfish_63 (CU5), Cece_195 (GD3), Chaser_30 (L4), ChosenOne_37 (E), ChotaBhai_37 (E), CicholasNage_30 (L1), Cjw1_37 (E), Clautastrophe_31 (L3), Command613_38 (E), Contagion_36 (E), Cookies_37 (E), Cosmo_53 (V), Crossroads_32 (L2), CrystalP_37 (E), Czyszczo1_38 (E), Daikon_36 (E), DoctorDiddles_37 (E), DrDrey_38 (E), DrSeegs_32 (L2), Dumbo_37 (E), DuncansLeg_31 (L3), DunneganBoMo_101 (FC), Dusk_36 (E), DyoEdafos_31 (L4), Easy2Say_39 (E), Elite2014_36 (E), Ellson_31 (L3), Elph10_38 (E), Emmina_38 (E), Enceladus_30 (L1), EniyanLRS_50 (V), Faith1_32 (L2), Filch_38 (E), Finemlucis_32 (L2), Finnry_31 (L3), FireRed_37 (E), Flypotenuse_35 (E), Gabriela_32 (L2), Gage_39 (E), Gardann_32 (L2), Gator_35 (E), Gemini_40 (E), Glexan_35 (E), GoldenSpark_39 (E), Goldilocks_38 (E), GooberAzure_39 (E), Greely_81 (C2), Gspu1_55 (CU2), GuuelaD_32 (L2), Halena_30 (L1), HanKaySha_38 (E), Harella_36 (E), Henry_38 (E), Highbury_38 (E), Holt_38 (E), Hoonter_39 (E), Hokey_39 (E), HufflyPuff_36 (E), Icee_36 (E), Inca_36 (E), Itos_32 (L2), JeTaimie_39 (E), JoeDirt_30 (L1), Jubie_31 (L3), Kanye_39 (E), Kimchi_39 (E), Kingsolomon_31 (L3), Kostya_38 (E), Krypton555_31 (L3), LeBron_30 (L1), LilDestine_32 (L2), Lilac_39 (E), Lilizi_39 (E), Lilpickle_36 (E), Loadrie_32 (L2), Lolly9_31 (L3), Lumos_31 (L3), MISSy_36 (E), MPhalcon_36 (E), MadamMonkfish_37 (E), Manda_38 (E), Marshmallow_37 (E), MaryV_53 (V), Maxxinista_38 (E), Miley16_32 (L2), Mimi_114 (FC), Mindy_37 (E), MiniLon_31 (L3), MiniMac_31 (L3), Miniwave_37 (E), Misfit_37 (E), MissDaisy_67 (K4), MkaliMitinis3_32 (L2), Moldemort_38 (E), Mosby_36 (E), MsGreen_31 (L3), Murica_36 (E), Murphy_38 (E), Myrale_37 (E), Myrna_77 (C2), Nala_37 (E), NelitzaMV_37 (E), Netyap_32 (L2), Nicholas_31 (L3), Nicholasp3_32 (L2), Nimrod_37 (E), NoSleep_38 (E), OhShagHennessy_30 (L1), OrionPax_38 (E), Palpatine_37 (E), Paperbeatsrock_39 (E), Pat3_36 (E), Patbob_109 (FC), PauloDiaboli_218 (GD1), Petra64142_39 (E), Phabba_83 (C2), Pharsalus_38 (E), PhatBacter_37 (E), Phaux_36 (E), Phrux_37 (E), Policronamos_38 (E), Porky_37 (E), Pumpnickel_201 (GD4), Pumpkin_39 (E), Qualification_38 (E), Racecar_109 (FC), Rakim_38 (E), Rimmer_36 (E), RiverMonster_37 (E), Rose5_30 (L1), SJReid_115 (FC), Saints25_38 (E), Samty_31 (L3), Sassay_36 (E), Schmidt_57 (CU4), ShamWow_37 (E), Silverleaf_30 (L1), Simpliphy_38 (E), SirDuracell_36 (E), Snenia_31 (L3), SophKB_37 (E), Sotrice96_37 (E), Stank_40 (E), Stark_38 (E), StellaBean_37 (E), StolenFromERC_39 (E), TBrady12_39 (E), Talia1610_110 (FC), Tarkin_39 (E), TeardropMSU_36 (E), Teaspoon_38 (E), Terminus_37 (E), Thresher_38 (E), Tomaszewski_36 (E), Toto_37 (E), Tourach_32 (L2), Traaww1_35 (E), Tuco_38 (E), UPIE_30 (L1), Ukulele_37 (E), Vetrrix_32 (L2), Wamburgxpress_30 (L1), Whirlwind_32 (L3), Wiggin_40 (E), Wigglewiggles_32 (L2), Wildcat_53 (V), Wilder_32 (L2), Willez_36 (E), Winky_32 (L2), Wyatt2_30 (L1), Xandras_39 (E), YassJohnny_38 (E), Youngblood_37 (E), Zakai_32 (L2), Zaria_30 (L1), Zooman_185 (GD2), xkcd_38 (E),

Start 167:

- Found in 66 of 1128 (5.9%) of genes in pham
- Manual Annotations of this start: 57 of 1021
- Called 95.5% of time when present
- Phage (with cluster) where this start called: ASegato_34 (ED2), Alleb_29 (ED1), BAKA_56 (J), Bagrid_51 (J), Beem_52 (J), Bobby_51 (J), Bombitas_49 (J), Constella_44 (J), Dallas_54 (J), DejaVu_31 (ED1), DmpstrDiver_53 (J), Duke13_55 (J), DustyDino_38 (ED2), Ejimix_52 (J), Erenyeager_35 (ED2), EricMillard_52 (J), Exile_31 (AZ), Fork_31 (ED2), Halley_52 (J), Hannaconda_48 (J), HokkenD_45 (J), Hortus1_28 (ED1), Hubbs_30 (ED1), Hughesyang_50 (J), Jacko_31 (ED1),

JuicyJay_54 (J), Kalah2_52 (J), KashFlow_45 (J), Klein_52 (J), Lupine_29 (ED1), Lyell_35 (ED2), MaGuCo_34 (AZ2), Maureen_36 (AZ2), Minerva_58 (J), MissSwiss_32 (AZ1), Musetta_35 (ED2), Necrophoxinus_37 (ED2), NihilNomen_51 (J), Odette_52 (J), OlinDD_28 (ED1), Optimus_57 (J), Pavlo_29 (ED1), Phoebus_51 (J), Pioneer3_28 (ED1), Platte_28 (ED1), Pound_54 (J), Redno2_50 (J), Roman_30 (ED1), RunningBrook_37 (ED2), Schatzie_49 (J), Soondubu_31 (AZ), StevieWelch_35 (ED2), Tandem_28 (ED1), ThreeRngTarjay_50 (J), VResidence_33 (AZ1), Wanda_58 (J), Welcome_36 (ED2), Wolfstar_31 (ED), Yeet_50 (J), Yuma_34 (ED2), Zelink_53 (J), Zooman_18 (GD2), Zooman_331 (GD2),

Start 168:

- Found in 71 of 1128 (6.3%) of genes in pham
- Manual Annotations of this start: 57 of 1021
- Called 90.1% of time when present
- Phage (with cluster) where this start called: Abigail_35 (EB), Albedo_36 (EB), Albright_34 (EB), AnnaLie_37 (EB), Arroyo_37 (EB), AvGardian_38 (EB), Avocadoman_35 (EB), BabyDaisy_35 (EB), BabyYoda_37 (EB), BarnCat_47 (GB), BelmontSKP_37 (EB), BubbaBear_35 (EB), Buldak_34 (EB), Burritobowl_36 (EB), Cashington_34 (EB), Cassita_54 (GB), Celaena_34 (EB), Clayda5_34 (EB), CroZenni_36 (EB), DickRichards_35 (EB), Didgeridoo_38 (EB), DirtyBubble_36 (EB), Dismas_34 (EB), Doobus_35 (EB), Eden_34 (EB), Elva_38 (EB), Eula_37 (EB), Finalfrontier_36 (EB), FlameThrower_34 (EB), Franklin22_35 (EB), Gack_33 (EB), Icarian_39 (EB), IndyLu_35 (EB), Johnathan_35 (EB), Jovita_37 (EB), Katzastrophic_35 (EB), Kenzers_36 (EB), Kieran_34 (EB), Lahqtemish_35 (EB), LeeroyJenkins_54 (GB), Lifes_48 (GB), LimaBean_35 (EB), Loviatar_65 (EB), Lynlen_36 (EB), Nicky22_37 (EB), Olliecat_34 (EB), Phisb_37 (EB), QMacho_38 (EB), Quenya_35 (EB), Rona_34 (EB), SanaSana_39 (EB), SansAfet_37 (EB), SarBear_36 (EB), ScoobyDoobyDoo_73 (C2), Shayna_36 (EB), Skylord_33 (EB), Slay_37 (EB), Stoor_37 (EB), Stromboli_37 (EB), SunnyD_38 (EB), Swervy_37 (EB), TukTuk_37 (EB), Vitas_33 (EB), WaterT_52 (GB),

Start 169:

- Found in 7 of 1128 (0.6%) of genes in pham
- Manual Annotations of this start: 7 of 1021
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A3Wally_20 (GD1), A3Wally_373 (GD1), BAjuniper_35 (EB), Big4_20 (GD2), Big4_346 (GD2), PauloDiaboli_20 (GD1), PauloDiaboli_375 (GD1),

Start 170:

- Found in 282 of 1128 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 1021
- Called 1.8% of time when present
- Phage (with cluster) where this start called: Blue_61 (A1), Gwendoluna_65 (A1), Marchy_53 (A1), Sanya_57 (A1), Thonko_81 (B8),

Start 172:

- Found in 143 of 1128 (12.7%) of genes in pham
- Manual Annotations of this start: 9 of 1021
- Called 6.3% of time when present
- Phage (with cluster) where this start called: Ariel_51 (J), Courthouse_51 (J), LittleE_56 (J), Lucky2013_51 (J), MiaZeal_51 (J), Omega_56 (J), Porcelain_50 (J), Superphikiman_51 (J), Thibault_45 (J),

Start 176:

- Found in 34 of 1128 (3.0%) of genes in pham
- Manual Annotations of this start: 2 of 1021
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Aegeus_33 (L5), Baudelaire_33 (L5),

Start 177:

- Found in 14 of 1128 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 1021
- Called 21.4% of time when present
- Phage (with cluster) where this start called: Dove_51 (J), Gonephishing_53 (J), Squint_50 (J),

Start 178:

- Found in 81 of 1128 (7.2%) of genes in pham
- Manual Annotations of this start: 6 of 1021
- Called 16.0% of time when present
- Phage (with cluster) where this start called: Baoshan_31 (L2), Claus_32 (L2), DirkDirk_30 (L1), Douge_30 (L4), Hafay_32 (L2), Jobypre_31 (L3), Kahlid_32 (L2), Lewan_32 (L2), MAckerman_30 (L1), Moostard_31 (L3), Rumpelstiltskin_32 (L2), Tyson_30 (L1), ZhongYanYuan_31 (L2),

Start 182:

- Found in 37 of 1128 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 1021
- Called 2.7% of time when present
- Phage (with cluster) where this start called: Liebe_36 (AZ2),

Start 184:

- Found in 145 of 1128 (12.9%) of genes in pham
- Manual Annotations of this start: 3 of 1021
- Called 2.1% of time when present
- Phage (with cluster) where this start called: IHOP_37 (E), Phaja_37 (E), ShereKhan_39 (E),

Summary by clusters:

There are 73 clusters represented in this pham: FP, GD1, GD2, GD3, GD4, M3, DO, K8, UNK, V, singleton, ED2, K2, K1, FC, M1, K6, K5, K4, AE, HA, DL, A15, CU5, A16, A11, CU2, CU1, A12, DU2, A1, A2, A13, A9, DU1, CQ1, DD, EL, AC, E, EH, F1, ED, CA, J, A17, L5, N, L4, R, L2, L3, L1, CU3, CQ, EB, C2, A20, K3, CQ2, B8, FQ, FB, AZ, M2, ED1, EM2, AZ1, AZ2, AZ3, AZ4, CU4, GB,

Info for manual annotations of cluster A1:

- Start number 119 was manually annotated 5 times for cluster A1.
- Start number 120 was manually annotated 32 times for cluster A1.
- Start number 122 was manually annotated 105 times for cluster A1.
- Start number 126 was manually annotated 3 times for cluster A1.
- Start number 129 was manually annotated 9 times for cluster A1.
- Start number 137 was manually annotated 4 times for cluster A1.
- Start number 154 was manually annotated 1 time for cluster A1.
- Start number 170 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A11:

- Start number 125 was manually annotated 23 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 125 was manually annotated 4 times for cluster A12.
- Start number 127 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A15:

- Start number 152 was manually annotated 1 time for cluster A15.
- Start number 154 was manually annotated 20 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 127 was manually annotated 2 times for cluster A16.
- Start number 155 was manually annotated 1 time for cluster A16.

Info for manual annotations of cluster A2:

- Start number 107 was manually annotated 4 times for cluster A2.
- Start number 125 was manually annotated 56 times for cluster A2.
- Start number 127 was manually annotated 3 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 127 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A9:

- Start number 125 was manually annotated 32 times for cluster A9.
- Start number 161 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AC:

- Start number 163 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster AE:

- Start number 164 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster AZ:

- Start number 167 was manually annotated 1 time for cluster AZ.

Info for manual annotations of cluster AZ1:

- Start number 142 was manually annotated 3 times for cluster AZ1.
- Start number 145 was manually annotated 23 times for cluster AZ1.
- Start number 146 was manually annotated 3 times for cluster AZ1.
- Start number 151 was manually annotated 1 time for cluster AZ1.
- Start number 165 was manually annotated 7 times for cluster AZ1.
- Start number 167 was manually annotated 2 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 167 was manually annotated 2 times for cluster AZ2.
- Start number 182 was manually annotated 1 time for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 127 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 126 was manually annotated 3 times for cluster AZ4.

Info for manual annotations of cluster B8:

- Start number 170 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster C2:

- Start number 166 was manually annotated 2 times for cluster C2.
- Start number 168 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster CA:

- Start number 155 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CQ:

- Start number 147 was manually annotated 1 time for cluster CQ.

Info for manual annotations of cluster CQ1:

- Start number 147 was manually annotated 5 times for cluster CQ1.
- Start number 149 was manually annotated 6 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 141 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CU1:

- Start number 163 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 163 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 166 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 166 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster DD:

- Start number 147 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DL:

- Start number 147 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster DO:

- Start number 161 was manually annotated 4 times for cluster DO.

Info for manual annotations of cluster DU1:

- Start number 159 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 136 was manually annotated 1 time for cluster DU2.
- Start number 159 was manually annotated 2 times for cluster DU2.

Info for manual annotations of cluster E:

- Start number 164 was manually annotated 3 times for cluster E.
- Start number 166 was manually annotated 116 times for cluster E.
- Start number 184 was manually annotated 3 times for cluster E.

Info for manual annotations of cluster EB:

- Start number 160 was manually annotated 7 times for cluster EB.
- Start number 168 was manually annotated 52 times for cluster EB.
- Start number 169 was manually annotated 1 time for cluster EB.

Info for manual annotations of cluster ED1:

- Start number 136 was manually annotated 1 time for cluster ED1.
- Start number 167 was manually annotated 12 times for cluster ED1.

Info for manual annotations of cluster ED2:

- Start number 167 was manually annotated 9 times for cluster ED2.

Info for manual annotations of cluster EH:

- Start number 108 was manually annotated 1 time for cluster EH.
- Start number 121 was manually annotated 1 time for cluster EH.
- Start number 123 was manually annotated 10 times for cluster EH.

Info for manual annotations of cluster EL:

- Start number 157 was manually annotated 1 time for cluster EL.

Info for manual annotations of cluster F1:

- Start number 119 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster FB:

- Start number 129 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FC:

- Start number 166 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster FP:

- Start number 161 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster GB:

- Start number 168 was manually annotated 4 times for cluster GB.

Info for manual annotations of cluster GD1:

- Start number 166 was manually annotated 2 times for cluster GD1.
- Start number 169 was manually annotated 4 times for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 166 was manually annotated 2 times for cluster GD2.
- Start number 167 was manually annotated 2 times for cluster GD2.
- Start number 169 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 166 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 166 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster J:

- Start number 167 was manually annotated 29 times for cluster J.
- Start number 172 was manually annotated 9 times for cluster J.
- Start number 177 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster K1:

- Start number 163 was manually annotated 1 time for cluster K1.
- Start number 164 was manually annotated 99 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 164 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 164 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 166 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K5:

- Start number 164 was manually annotated 21 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 164 was manually annotated 19 times for cluster K6.

Info for manual annotations of cluster K8:

- Start number 149 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 166 was manually annotated 16 times for cluster L1.
- Start number 178 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 166 was manually annotated 25 times for cluster L2.
- Start number 178 was manually annotated 3 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 166 was manually annotated 15 times for cluster L3.
- Start number 178 was manually annotated 1 time for cluster L3.

Info for manual annotations of cluster L4:

- Start number 166 was manually annotated 3 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 176 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 144 was manually annotated 11 times for cluster M1.

- Start number 160 was manually annotated 2 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 157 was manually annotated 1 time for cluster M2.
- Start number 158 was manually annotated 5 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 158 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:

- Start number 148 was manually annotated 1 time for cluster N.
- Start number 153 was manually annotated 31 times for cluster N.

Info for manual annotations of cluster R:

- Start number 159 was manually annotated 9 times for cluster R.

Info for manual annotations of cluster V:

- Start number 166 was manually annotated 5 times for cluster V.

Gene Information:

Gene: 244_39 Start: 33415, Stop: 33660, Start Num: 166

Candidate Starts for 244_39:

(Start: 166 @33415 has 192 MA's), (Start: 184 @33472 has 3 MA's), (195, 33505), (198, 33511), (219, 33565), (225, 33577),

Gene: 40AC_59 Start: 39531, Stop: 39259, Start Num: 125

Candidate Starts for 40AC_59:

(Start: 125 @39531 has 115 MA's), (Start: 170 @39510 has 2 MA's), (Start: 172 @39504 has 9 MA's), (199, 39417), (213, 39381), (224, 39351),

Gene: A3Wally_218 Start: 118317, Stop: 118063, Start Num: 166

Candidate Starts for A3Wally_218:

(Start: 166 @118317 has 192 MA's), (204, 118203), (217, 118176), (231, 118131),

Gene: A3Wally_20 Start: 7196, Stop: 7426, Start Num: 169

Candidate Starts for A3Wally_20:

(Start: 169 @7196 has 7 MA's), (190, 7268), (245, 7415),

Gene: A3Wally_373 Start: 186417, Stop: 186647, Start Num: 169

Candidate Starts for A3Wally_373:

(Start: 169 @186417 has 7 MA's), (190, 186489), (245, 186636),

Gene: A6_54 Start: 38910, Stop: 38635, Start Num: 122

Candidate Starts for A6_54:

(Start: 120 @38913 has 32 MA's), (Start: 122 @38910 has 105 MA's), (Start: 126 @38898 has 7 MA's), (Start: 170 @38868 has 2 MA's), (185, 38817), (189, 38802), (198, 38781), (211, 38751), (221, 38721),

Gene: ABCat_36 Start: 33127, Stop: 33372, Start Num: 166

Candidate Starts for ABCat_36:

(Start: 166 @33127 has 192 MA's), (Start: 184 @33184 has 3 MA's), (195, 33217), (198, 33223), (219, 33277), (225, 33289),

Gene: AEgle_32 Start: 24443, Stop: 24685, Start Num: 165

Candidate Starts for AEgle_32:

(Start: 165 @24443 has 7 MA's),

Gene: AFIS_58 Start: 39979, Stop: 39713, Start Num: 122

Candidate Starts for AFIS_58:

(Start: 120 @39982 has 32 MA's), (Start: 122 @39979 has 105 MA's), (Start: 126 @39967 has 7 MA's), (Start: 170 @39946 has 2 MA's), (185, 39895), (189, 39880), (198, 39859), (211, 39829), (221, 39799), (251, 39724),

Gene: AGrandiflora_34 Start: 24670, Stop: 24936, Start Num: 145

Candidate Starts for AGrandiflora_34:

(37, 24412), (48, 24448), (Start: 145 @24670 has 23 MA's), (222, 24853),

Gene: AN9_61 Start: 38705, Stop: 38394, Start Num: 107

Candidate Starts for AN9_61:

(Start: 107 @38705 has 4 MA's), (Start: 127 @38666 has 9 MA's), (Start: 161 @38657 has 7 MA's), (194, 38564), (213, 38516), (224, 38486),

Gene: ANI8_61 Start: 38705, Stop: 38394, Start Num: 107

Candidate Starts for ANI8_61:

(Start: 107 @38705 has 4 MA's), (Start: 127 @38666 has 9 MA's), (Start: 161 @38657 has 7 MA's), (194, 38564), (213, 38516), (224, 38486),

Gene: ASegato_34 Start: 9990, Stop: 10244, Start Num: 167

Candidate Starts for ASegato_34:

(Start: 148 @9975 has 1 MA's), (Start: 167 @9990 has 57 MA's), (179, 10035), (198, 10086), (204, 10104), (213, 10122), (217, 10134),

Gene: AbbyPaige_60 Start: 38775, Stop: 38503, Start Num: 125

Candidate Starts for AbbyPaige_60:

(Start: 125 @38775 has 115 MA's), (Start: 161 @38766 has 7 MA's), (Start: 170 @38754 has 2 MA's), (Start: 172 @38748 has 9 MA's),

Gene: Abbysshoes_63 Start: 41669, Stop: 41403, Start Num: 122

Candidate Starts for Abbysshoes_63:

(Start: 120 @41672 has 32 MA's), (Start: 122 @41669 has 105 MA's), (Start: 126 @41657 has 7 MA's), (Start: 170 @41636 has 2 MA's), (185, 41585), (189, 41570), (198, 41549), (211, 41519), (221, 41489),

Gene: Abigail_35 Start: 24992, Stop: 25222, Start Num: 168

Candidate Starts for Abigail_35:

(Start: 168 @24992 has 57 MA's),

Gene: Abrogate_610 Start: 42660, Stop: 42409, Start Num: 137

Candidate Starts for Abrogate_610:

(Start: 122 @42684 has 105 MA's), (Start: 137 @42660 has 4 MA's), (185, 42591), (189, 42576), (198, 42555), (205, 42534), (211, 42525), (221, 42495),

Gene: Abscondus_124 Start: 70975, Stop: 71268, Start Num: 147
Candidate Starts for Abscondus_124:
(Start: 147 @70975 has 13 MA's), (Start: 176 @71023 has 2 MA's), (221, 71152),

Gene: Acme_64 Start: 41595, Stop: 41326, Start Num: 120
Candidate Starts for Acme_64:
(Start: 120 @41595 has 32 MA's), (Start: 122 @41592 has 105 MA's), (Start: 126 @41580 has 7 MA's), (Start: 170 @41559 has 2 MA's), (185, 41508), (189, 41493), (198, 41472), (211, 41442), (221, 41412), (251, 41337),

Gene: Acolyte_53 Start: 37597, Stop: 37325, Start Num: 125
Candidate Starts for Acolyte_53:
(Start: 125 @37597 has 115 MA's), (Start: 161 @37588 has 7 MA's), (Start: 170 @37576 has 2 MA's), (Start: 172 @37570 has 9 MA's), (180, 37534), (195, 37492), (213, 37447),

Gene: Acquire49_30 Start: 27690, Stop: 27959, Start Num: 166
Candidate Starts for Acquire49_30:
(Start: 166 @27690 has 192 MA's), (Start: 178 @27735 has 6 MA's), (221, 27843),

Gene: ActinUp_66 Start: 43467, Stop: 43709, Start Num: 164
Candidate Starts for ActinUp_66:
(Start: 164 @43467 has 163 MA's), (195, 43557), (232, 43653), (242, 43677),

Gene: Adephagia_66 Start: 43504, Stop: 43746, Start Num: 164
Candidate Starts for Adephagia_66:
(Start: 164 @43504 has 163 MA's), (195, 43594), (232, 43690), (242, 43714),

Gene: Adnama_40 Start: 33642, Stop: 33887, Start Num: 166
Candidate Starts for Adnama_40:
(Start: 166 @33642 has 192 MA's), (Start: 184 @33699 has 3 MA's), (195, 33732), (198, 33738), (219, 33792), (225, 33804),

Gene: Adolin_32 Start: 23104, Stop: 23349, Start Num: 165
Candidate Starts for Adolin_32:
(24, 22735), (37, 22849), (48, 22885), (Start: 165 @23104 has 7 MA's),

Gene: Adonis_66 Start: 43739, Stop: 43981, Start Num: 164
Candidate Starts for Adonis_66:
(Start: 164 @43739 has 163 MA's), (195, 43829), (232, 43925), (242, 43949),

Gene: Adumb2043_32 Start: 24438, Stop: 24704, Start Num: 142
Candidate Starts for Adumb2043_32:
(15, 23982), (37, 24183), (48, 24219), (Start: 142 @24438 has 3 MA's), (222, 24621),

Gene: Adzzy_59 Start: 37247, Stop: 36975, Start Num: 125
Candidate Starts for Adzzy_59:
(Start: 125 @37247 has 115 MA's), (180, 37184), (198, 37136), (213, 37097), (217, 37085), (224, 37067),

Gene: Aegeus_33 Start: 27825, Stop: 28055, Start Num: 176
Candidate Starts for Aegeus_33:
(Start: 166 @27789 has 192 MA's), (175, 27816), (Start: 176 @27825 has 2 MA's), (185, 27852), (195, 27882), (203, 27903), (221, 27942), (222, 27945), (224, 27948), (243, 28005), (245, 28014),

Gene: Aeneas_65 Start: 43097, Stop: 42828, Start Num: 120

Candidate Starts for Aeneas_65:

(Start: 120 @43097 has 32 MA's), (Start: 122 @43094 has 105 MA's), (Start: 126 @43082 has 7 MA's), (Start: 170 @43061 has 2 MA's), (185, 43010), (189, 42995), (198, 42974), (211, 42944), (221, 42914),

Gene: Agaliana_56 Start: 37891, Stop: 37616, Start Num: 122

Candidate Starts for Agaliana_56:

(Start: 120 @37894 has 32 MA's), (Start: 122 @37891 has 105 MA's), (Start: 126 @37879 has 7 MA's), (Start: 170 @37849 has 2 MA's), (185, 37798), (189, 37783), (198, 37762), (211, 37732), (221, 37702),

Gene: Agape74_60 Start: 38769, Stop: 38497, Start Num: 125

Candidate Starts for Agape74_60:

(Start: 125 @38769 has 115 MA's), (Start: 161 @38760 has 7 MA's), (Start: 170 @38748 has 2 MA's), (Start: 172 @38742 has 9 MA's), (213, 38619),

Gene: Agent47_60 Start: 40769, Stop: 41017, Start Num: 164

Candidate Starts for Agent47_60:

(Start: 164 @40769 has 163 MA's), (212, 40901), (222, 40931), (236, 40964),

Gene: Ageofdapage_70 Start: 44895, Stop: 45137, Start Num: 164

Candidate Starts for Ageofdapage_70:

(Start: 164 @44895 has 163 MA's), (195, 44985), (232, 45081), (242, 45105),

Gene: Aikoy_52 Start: 39434, Stop: 39189, Start Num: 164

Candidate Starts for Aikoy_52:

(Start: 164 @39434 has 163 MA's), (185, 39374), (194, 39347), (211, 39308), (219, 39284), (221, 39278), (224, 39272), (231, 39248),

Gene: AinMach_35 Start: 25558, Stop: 25839, Start Num: 129

Candidate Starts for AinMach_35:

(56, 25390), (117, 25534), (Start: 129 @25558 has 11 MA's), (214, 25723),

Gene: Ajay_62 Start: 41482, Stop: 41216, Start Num: 122

Candidate Starts for Ajay_62:

(Start: 120 @41485 has 32 MA's), (Start: 122 @41482 has 105 MA's), (Start: 126 @41470 has 7 MA's), (Start: 170 @41449 has 2 MA's), (185, 41398), (189, 41383), (198, 41362), (211, 41332), (221, 41302), (251, 41227),

Gene: Alatin_45 Start: 34365, Stop: 34069, Start Num: 155

Candidate Starts for Alatin_45:

(Start: 155 @34365 has 37 MA's), (Start: 170 @34347 has 2 MA's), (Start: 172 @34341 has 9 MA's), (211, 34224), (222, 34191), (225, 34185), (249, 34125), (262, 34077),

Gene: Albedo_36 Start: 25530, Stop: 25772, Start Num: 168

Candidate Starts for Albedo_36:

(Start: 168 @25530 has 57 MA's), (255, 25764),

Gene: Albright_34 Start: 24694, Stop: 24924, Start Num: 168

Candidate Starts for Albright_34:

(Start: 168 @24694 has 57 MA's),

Gene: AlishaPH_66 Start: 43765, Stop: 44007, Start Num: 164
Candidate Starts for AlishaPH_66:
(Start: 164 @43765 has 163 MA's), (195, 43855), (232, 43951), (242, 43975),

Gene: Aliter_58 Start: 38153, Stop: 37881, Start Num: 125
Candidate Starts for Aliter_58:
(Start: 125 @38153 has 115 MA's), (Start: 161 @38144 has 7 MA's), (Start: 182 @38087 has 1 MA's),
(194, 38051), (209, 38012), (219, 37985), (224, 37973),

Gene: Alleb_29 Start: 9182, Stop: 9436, Start Num: 167
Candidate Starts for Alleb_29:
(131, 9134), (Start: 153 @9167 has 31 MA's), (Start: 167 @9182 has 57 MA's), (179, 9227), (192,
9263), (226, 9350),

Gene: AlleyCat_62 Start: 41081, Stop: 41329, Start Num: 164
Candidate Starts for AlleyCat_62:
(Start: 164 @41081 has 163 MA's), (189, 41156), (218, 41228),

Gene: Alma_58 Start: 38528, Stop: 38256, Start Num: 125
Candidate Starts for Alma_58:
(Start: 125 @38528 has 115 MA's), (Start: 161 @38519 has 7 MA's), (Start: 182 @38462 has 1 MA's),
(194, 38426), (209, 38387), (219, 38360), (224, 38348),

Gene: Alpacados_45 Start: 34270, Stop: 33974, Start Num: 155
Candidate Starts for Alpacados_45:
(Start: 155 @34270 has 37 MA's), (Start: 170 @34252 has 2 MA's), (Start: 172 @34246 has 9 MA's),
(211, 34129), (222, 34096), (225, 34090), (249, 34030), (262, 33982),

Gene: Alsfro_68 Start: 41762, Stop: 41487, Start Num: 122
Candidate Starts for Alsfro_68:
(Start: 120 @41765 has 32 MA's), (Start: 122 @41762 has 105 MA's), (Start: 126 @41750 has 7
MA's), (Start: 170 @41720 has 2 MA's), (185, 41669), (189, 41654), (198, 41633), (211, 41603), (221,
41573), (251, 41498),

Gene: Altman_64 Start: 41400, Stop: 41125, Start Num: 122
Candidate Starts for Altman_64:
(Start: 120 @41403 has 32 MA's), (Start: 122 @41400 has 105 MA's), (Start: 126 @41388 has 7
MA's), (185, 41307), (189, 41292), (198, 41271), (211, 41241), (221, 41211),

Gene: Alvin_62 Start: 41227, Stop: 40952, Start Num: 122
Candidate Starts for Alvin_62:
(71, 41332), (73, 41329), (91, 41284), (101, 41266), (Start: 120 @41230 has 32 MA's), (Start: 122
@41227 has 105 MA's), (Start: 126 @41215 has 7 MA's), (Start: 170 @41185 has 2 MA's), (185,
41134), (189, 41119), (198, 41098), (211, 41068), (221, 41038), (239, 40993), (251, 40963),

Gene: Amao_37 Start: 32339, Stop: 32584, Start Num: 166
Candidate Starts for Amao_37:
(Start: 166 @32339 has 192 MA's), (Start: 184 @32396 has 3 MA's), (195, 32429), (198, 32435), (217,
32483), (219, 32489), (225, 32501),

Gene: Amelie_55 Start: 40941, Stop: 41186, Start Num: 164
Candidate Starts for Amelie_55:

(109, 40869), (Start: 164 @40941 has 163 MA's), (201, 41046), (218, 41088), (232, 41124),

Gene: AmericanBeauty_40 Start: 33122, Stop: 33367, Start Num: 166

Candidate Starts for AmericanBeauty_40:

(Start: 166 @33122 has 192 MA's), (Start: 184 @33179 has 3 MA's), (195, 33212), (198, 33218), (219, 33272), (225, 33284),

Gene: Amohnition_66 Start: 44113, Stop: 44352, Start Num: 164

Candidate Starts for Amohnition_66:

(Start: 164 @44113 has 163 MA's), (195, 44203), (218, 44263),

Gene: Amyev_33 Start: 26378, Stop: 26620, Start Num: 146

Candidate Starts for Amyev_33:

(Start: 146 @26378 has 3 MA's),

Gene: Anaya_69 Start: 44458, Stop: 44700, Start Num: 164

Candidate Starts for Anaya_69:

(103, 44380), (Start: 164 @44458 has 163 MA's), (195, 44548), (232, 44644), (242, 44668),

Gene: Anaysia_64 Start: 37667, Stop: 37398, Start Num: 154

Candidate Starts for Anaysia_64:

(14, 38111), (17, 38087), (25, 38009), (Start: 154 @37667 has 21 MA's), (224, 37490), (241, 37451),

Gene: Andies_48 Start: 34452, Stop: 34700, Start Num: 153

Candidate Starts for Andies_48:

(Start: 153 @34452 has 31 MA's), (Start: 166 @34464 has 192 MA's), (221, 34614), (222, 34617), (251, 34692),

Gene: Aneem_58 Start: 37786, Stop: 37514, Start Num: 125

Candidate Starts for Aneem_58:

(Start: 125 @37786 has 115 MA's), (Start: 161 @37777 has 7 MA's), (224, 37606),

Gene: Angelica_66 Start: 43657, Stop: 43899, Start Num: 164

Candidate Starts for Angelica_66:

(Start: 164 @43657 has 163 MA's), (195, 43747), (232, 43843), (242, 43867),

Gene: Anglerfish_62 Start: 41575, Stop: 41306, Start Num: 120

Candidate Starts for Anglerfish_62:

(Start: 120 @41575 has 32 MA's), (Start: 122 @41572 has 105 MA's), (Start: 126 @41560 has 7 MA's), (Start: 166 @41545 has 192 MA's), (Start: 170 @41539 has 2 MA's), (185, 41488), (189, 41473), (198, 41452), (211, 41422), (221, 41392),

Gene: AngryOrchard_44 Start: 34430, Stop: 34134, Start Num: 155

Candidate Starts for AngryOrchard_44:

(Start: 155 @34430 has 37 MA's), (Start: 170 @34412 has 2 MA's), (Start: 172 @34406 has 9 MA's), (211, 34289), (222, 34256), (225, 34250), (249, 34190), (262, 34142),

Gene: AnnaLie_37 Start: 25815, Stop: 26045, Start Num: 168

Candidate Starts for AnnaLie_37:

(Start: 168 @25815 has 57 MA's),

Gene: Anon_61 Start: 37216, Stop: 36947, Start Num: 154

Candidate Starts for Anon_61:

(Start: 154 @37216 has 21 MA's), (211, 37075), (233, 37018), (247, 36982),

Gene: Anselm_59 Start: 38676, Stop: 38404, Start Num: 125

Candidate Starts for Anselm_59:

(Start: 125 @38676 has 115 MA's), (Start: 161 @38667 has 7 MA's), (Start: 170 @38655 has 2 MA's),
(Start: 172 @38649 has 9 MA's), (213, 38526), (224, 38496),

Gene: Anthony_54 Start: 36233, Stop: 35961, Start Num: 127

Candidate Starts for Anthony_54:

(Start: 127 @36233 has 9 MA's), (Start: 161 @36224 has 7 MA's), (Start: 172 @36206 has 9 MA's),
(Start: 176 @36185 has 2 MA's), (224, 36053),

Gene: Aphelion_125 Start: 72038, Stop: 72331, Start Num: 147

Candidate Starts for Aphelion_125:

(Start: 147 @72038 has 13 MA's), (Start: 176 @72086 has 2 MA's), (221, 72215),

Gene: Apocalypse_69 Start: 44420, Stop: 44662, Start Num: 163

Candidate Starts for Apocalypse_69:

(Start: 163 @44420 has 11 MA's), (195, 44510), (232, 44606), (242, 44630),

Gene: AppleCloud_43 Start: 34089, Stop: 33793, Start Num: 155

Candidate Starts for AppleCloud_43:

(Start: 155 @34089 has 37 MA's), (Start: 170 @34071 has 2 MA's), (Start: 172 @34065 has 9 MA's),
(209, 33951), (211, 33948), (222, 33915), (225, 33909),

Gene: Applejack_60 Start: 39669, Stop: 39418, Start Num: 137

Candidate Starts for Applejack_60:

(Start: 122 @39693 has 105 MA's), (Start: 137 @39669 has 4 MA's), (185, 39600), (189, 39585), (198,
39564), (211, 39534), (221, 39504),

Gene: Appletree2_30 Start: 27633, Stop: 27902, Start Num: 166

Candidate Starts for Appletree2_30:

(Start: 166 @27633 has 192 MA's), (Start: 178 @27678 has 6 MA's), (221, 27786),

Gene: Arcanine_64 Start: 42296, Stop: 42030, Start Num: 122

Candidate Starts for Arcanine_64:

(Start: 120 @42299 has 32 MA's), (Start: 122 @42296 has 105 MA's), (Start: 126 @42284 has 7
MA's), (Start: 166 @42269 has 192 MA's), (Start: 170 @42263 has 2 MA's), (185, 42212), (189,
42197), (198, 42176), (211, 42146), (221, 42116),

Gene: Archie_32 Start: 28911, Stop: 29177, Start Num: 166

Candidate Starts for Archie_32:

(Start: 166 @28911 has 192 MA's), (Start: 178 @28956 has 6 MA's), (196, 29007), (203, 29025), (225,
29073), (249, 29145), (259, 29166),

Gene: Argent26_39 Start: 33125, Stop: 33370, Start Num: 166

Candidate Starts for Argent26_39:

(Start: 166 @33125 has 192 MA's), (Start: 184 @33182 has 3 MA's), (195, 33215), (198, 33221), (219,
33275), (225, 33287),

Gene: Ariel_51 Start: 40408, Stop: 40647, Start Num: 172

Candidate Starts for Ariel_51:

(Start: 172 @40408 has 9 MA's), (Start: 177 @40435 has 1 MA's), (195, 40489), (196, 40492), (221, 40549), (232, 40585),

Gene: Arissanae_57 Start: 38844, Stop: 38572, Start Num: 125

Candidate Starts for Arissanae_57:

(Start: 125 @38844 has 115 MA's), (Start: 161 @38835 has 7 MA's), (180, 38781), (194, 38742), (213, 38694),

Gene: Armstrong_33 Start: 23408, Stop: 23647, Start Num: 160

Candidate Starts for Armstrong_33:

(46, 23165), (55, 23195), (Start: 160 @23408 has 9 MA's), (Start: 168 @23417 has 57 MA's), (195, 23504), (240, 23609), (255, 23639),

Gene: Arroyo_37 Start: 25853, Stop: 26083, Start Num: 168

Candidate Starts for Arroyo_37:

(Start: 168 @25853 has 57 MA's),

Gene: Asa16_34 Start: 26607, Stop: 26864, Start Num: 165

Candidate Starts for Asa16_34:

(37, 26370), (39, 26379), (Start: 165 @26607 has 7 MA's), (179, 26655), (224, 26772),

Gene: Asayake_66 Start: 43819, Stop: 44061, Start Num: 164

Candidate Starts for Asayake_66:

(Start: 164 @43819 has 163 MA's), (195, 43909), (232, 44005), (242, 44029),

Gene: Ascela_34 Start: 24798, Stop: 25064, Start Num: 145

Candidate Starts for Ascela_34:

(Start: 145 @24798 has 23 MA's), (222, 24981),

Gene: Ashballer_65 Start: 42043, Stop: 41777, Start Num: 122

Candidate Starts for Ashballer_65:

(Start: 120 @42046 has 32 MA's), (Start: 122 @42043 has 105 MA's), (Start: 126 @42031 has 7 MA's), (Start: 170 @42010 has 2 MA's), (185, 41959), (189, 41944), (198, 41923), (211, 41893), (221, 41863),

Gene: Asriel_36 Start: 31996, Stop: 32241, Start Num: 166

Candidate Starts for Asriel_36:

(Start: 166 @31996 has 192 MA's), (Start: 184 @32053 has 3 MA's), (195, 32086), (198, 32092), (219, 32146), (225, 32158),

Gene: Atiba_67 Start: 43467, Stop: 43709, Start Num: 164

Candidate Starts for Atiba_67:

(Start: 164 @43467 has 163 MA's), (195, 43557), (232, 43653), (242, 43677),

Gene: Atkinbua_64 Start: 41089, Stop: 40823, Start Num: 119

Candidate Starts for Atkinbua_64:

(Start: 119 @41089 has 6 MA's), (Start: 126 @41077 has 7 MA's), (Start: 170 @41056 has 2 MA's), (185, 41005), (189, 40990), (198, 40969), (211, 40939), (221, 40909), (251, 40834),

Gene: Atuin_105 Start: 87057, Stop: 87320, Start Num: 166

Candidate Starts for Atuin_105:

(Start: 166 @87057 has 192 MA's), (231, 87246),

Gene: Auspice_39 Start: 32780, Stop: 33040, Start Num: 160
Candidate Starts for Auspice_39:
(82, 32651), (Start: 144 @32762 has 11 MA's), (Start: 160 @32780 has 9 MA's), (185, 32843), (218, 32930), (221, 32939), (225, 32948),

Gene: AvGardian_38 Start: 25976, Stop: 26215, Start Num: 168
Candidate Starts for AvGardian_38:
(111, 25892), (Start: 160 @25967 has 9 MA's), (Start: 168 @25976 has 57 MA's), (195, 26063),

Gene: AvadaKedavra_30 Start: 27700, Stop: 27969, Start Num: 166
Candidate Starts for AvadaKedavra_30:
(Start: 166 @27700 has 192 MA's), (Start: 178 @27745 has 6 MA's), (221, 27853),

Gene: Avocadoman_35 Start: 24931, Stop: 25161, Start Num: 168
Candidate Starts for Avocadoman_35:
(Start: 168 @24931 has 57 MA's),

Gene: Aziz_44 Start: 33930, Stop: 34181, Start Num: 158
Candidate Starts for Aziz_44:
(Start: 158 @33930 has 7 MA's), (195, 34023), (216, 34074), (217, 34077), (222, 34092), (245, 34146),

Gene: Azrael100_52 Start: 39360, Stop: 39608, Start Num: 166
Candidate Starts for Azrael100_52:
(Start: 166 @39360 has 192 MA's), (191, 39441), (210, 39489), (222, 39522), (224, 39525), (225, 39528), (239, 39561), (254, 39597),

Gene: BAKA_56 Start: 44234, Stop: 44479, Start Num: 167
Candidate Starts for BAKA_56:
(Start: 167 @44234 has 57 MA's), (185, 44297), (195, 44327), (196, 44330), (222, 44390), (224, 44393), (225, 44396),

Gene: BAjuniper_35 Start: 26652, Stop: 26891, Start Num: 169
Candidate Starts for BAjuniper_35:
(Start: 169 @26652 has 7 MA's), (179, 26694), (217, 26793), (219, 26799), (228, 26814), (240, 26844),

Gene: BEEST_66 Start: 43819, Stop: 44061, Start Num: 164
Candidate Starts for BEEST_66:
(Start: 164 @43819 has 163 MA's), (195, 43909), (232, 44005), (242, 44029),

Gene: BFK20_ORF53 Start: 41569, Stop: 41835, Start Num: 156
Candidate Starts for BFK20_ORF53:
(134, 41539), (150, 41563), (156, 41569), (180, 41629), (195, 41671), (198, 41677), (223, 41737),

Gene: BGlluviae_66 Start: 43622, Stop: 43864, Start Num: 164
Candidate Starts for BGlluviae_66:
(Start: 164 @43622 has 163 MA's), (195, 43712), (232, 43808), (242, 43832),

Gene: BK1_54 Start: 38910, Stop: 38635, Start Num: 122
Candidate Starts for BK1_54:
(Start: 120 @38913 has 32 MA's), (Start: 122 @38910 has 105 MA's), (Start: 126 @38898 has 7 MA's), (Start: 170 @38868 has 2 MA's), (185, 38817), (189, 38802), (198, 38781), (211, 38751), (221,

38721),

Gene: BPBiibs31_64 Start: 41826, Stop: 41557, Start Num: 120

Candidate Starts for BPBiibs31_64:

(Start: 120 @41826 has 32 MA's), (Start: 122 @41823 has 105 MA's), (Start: 126 @41811 has 7 MA's), (140, 41796), (Start: 170 @41790 has 2 MA's), (189, 41724), (198, 41703), (211, 41673), (221, 41643),

Gene: BabeRuth_56 Start: 36173, Stop: 36421, Start Num: 153

Candidate Starts for BabeRuth_56:

(Start: 153 @36173 has 31 MA's), (Start: 166 @36185 has 192 MA's), (221, 36335), (222, 36338), (251, 36413),

Gene: BaboJay_37 Start: 33214, Stop: 33462, Start Num: 164

Candidate Starts for BaboJay_37:

(118, 33145), (Start: 119 @33148 has 6 MA's), (133, 33175), (Start: 164 @33214 has 163 MA's), (Start: 184 @33274 has 3 MA's), (195, 33307), (198, 33313), (219, 33367), (225, 33379),

Gene: BabyDaisy_35 Start: 25454, Stop: 25684, Start Num: 168

Candidate Starts for BabyDaisy_35:

(84, 25325), (85, 25328), (93, 25343), (102, 25358), (104, 25361), (111, 25370), (Start: 160 @25445 has 9 MA's), (Start: 168 @25454 has 57 MA's), (217, 25595),

Gene: BabyYoda_37 Start: 26596, Stop: 26829, Start Num: 168

Candidate Starts for BabyYoda_37:

(111, 26512), (Start: 160 @26587 has 9 MA's), (Start: 168 @26596 has 57 MA's),

Gene: Bachita_128 Start: 71997, Stop: 72287, Start Num: 149

Candidate Starts for Bachita_128:

(88, 71889), (96, 71904), (Start: 121 @71949 has 1 MA's), (Start: 149 @71997 has 7 MA's), (Start: 176 @72042 has 2 MA's), (221, 72171),

Gene: Bachome_59 Start: 37766, Stop: 37494, Start Num: 125

Candidate Starts for Bachome_59:

(Start: 125 @37766 has 115 MA's), (Start: 161 @37757 has 7 MA's), (213, 37616),

Gene: BaconJack_66 Start: 44013, Stop: 43747, Start Num: 122

Candidate Starts for BaconJack_66:

(Start: 120 @44016 has 32 MA's), (Start: 122 @44013 has 105 MA's), (Start: 126 @44001 has 7 MA's), (Start: 170 @43980 has 2 MA's), (185, 43929), (189, 43914), (198, 43893), (211, 43863), (221, 43833),

Gene: BadStone_36 Start: 33127, Stop: 33372, Start Num: 166

Candidate Starts for BadStone_36:

(Start: 166 @33127 has 192 MA's), (Start: 184 @33184 has 3 MA's), (195, 33217), (198, 33223), (217, 33271), (219, 33277), (225, 33289),

Gene: BaghaKamala_66 Start: 43286, Stop: 43528, Start Num: 164

Candidate Starts for BaghaKamala_66:

(Start: 122 @43241 has 105 MA's), (Start: 164 @43286 has 163 MA's), (195, 43376), (232, 43472), (242, 43496),

Gene: Bagrid_51 Start: 43567, Stop: 43812, Start Num: 167

Candidate Starts for Bagrid_51:

(Start: 167 @43567 has 57 MA's), (185, 43630), (195, 43660), (196, 43663), (222, 43723), (224, 43726), (225, 43729),

Gene: BaileyBlu_34 Start: 24331, Stop: 24588, Start Num: 161

Candidate Starts for BaileyBlu_34:

(61, 24157), (64, 24166), (Start: 161 @24331 has 7 MA's), (217, 24487), (235, 24529), (238, 24535),

Gene: Balomoji_36 Start: 32861, Stop: 33106, Start Num: 166

Candidate Starts for Balomoji_36:

(Start: 166 @32861 has 192 MA's), (Start: 184 @32918 has 3 MA's), (195, 32951), (198, 32957), (217, 33005), (219, 33011), (225, 33023),

Gene: Banquo_62 Start: 38905, Stop: 39129, Start Num: 163

Candidate Starts for Banquo_62:

(Start: 163 @38905 has 11 MA's), (179, 38947), (195, 38992), (199, 39001), (219, 39052), (222, 39061), (231, 39082),

Gene: Bantam_85 Start: 57381, Stop: 57115, Start Num: 147

Candidate Starts for Bantam_85:

(Start: 147 @57381 has 13 MA's), (175, 57333),

Gene: Baoshan_31 Start: 28288, Stop: 28509, Start Num: 178

Candidate Starts for Baoshan_31:

(Start: 166 @28243 has 192 MA's), (Start: 178 @28288 has 6 MA's), (196, 28339), (249, 28477), (259, 28498),

Gene: Barbarian_36 Start: 31996, Stop: 32241, Start Num: 166

Candidate Starts for Barbarian_36:

(Start: 166 @31996 has 192 MA's), (Start: 184 @32053 has 3 MA's), (195, 32086), (198, 32092), (219, 32146), (225, 32158),

Gene: BarnCat_47 Start: 30635, Stop: 30874, Start Num: 168

Candidate Starts for BarnCat_47:

(89, 30518), (100, 30536), (Start: 168 @30635 has 57 MA's), (185, 30692), (194, 30719), (198, 30728),

Gene: Barnstormer_41 Start: 26907, Stop: 27167, Start Num: 123

Candidate Starts for Barnstormer_41:

(63, 26781), (Start: 123 @26907 has 10 MA's),

Gene: BarrelRoll_67 Start: 43905, Stop: 44147, Start Num: 164

Candidate Starts for BarrelRoll_67:

(Start: 164 @43905 has 163 MA's), (195, 43995), (232, 44091), (242, 44115),

Gene: Barriga_65 Start: 40220, Stop: 39954, Start Num: 122

Candidate Starts for Barriga_65:

(Start: 120 @40223 has 32 MA's), (Start: 122 @40220 has 105 MA's), (Start: 126 @40208 has 7 MA's), (Start: 170 @40187 has 2 MA's), (185, 40136), (189, 40121), (198, 40100), (211, 40070), (221, 40040), (251, 39965),

Gene: Bask21_37 Start: 32313, Stop: 32558, Start Num: 166

Candidate Starts for Bask21_37:

(Start: 166 @32313 has 192 MA's), (Start: 184 @32370 has 3 MA's), (195, 32403), (198, 32409), (219, 32463), (225, 32475),

Gene: Battleship_66 Start: 37873, Stop: 37604, Start Num: 154
Candidate Starts for Battleship_66:
(14, 38317), (25, 38215), (Start: 154 @37873 has 21 MA's), (224, 37696),

Gene: Baudelaire_33 Start: 27825, Stop: 28055, Start Num: 176
Candidate Starts for Baudelaire_33:
(Start: 166 @27789 has 192 MA's), (175, 27816), (Start: 176 @27825 has 2 MA's), (185, 27852), (195, 27882), (203, 27903), (221, 27942), (222, 27945), (224, 27948), (243, 28005), (245, 28014),

Gene: Bazzle_32 Start: 28660, Stop: 28926, Start Num: 166
Candidate Starts for Bazzle_32:
(Start: 166 @28660 has 192 MA's), (Start: 178 @28705 has 6 MA's), (196, 28756), (203, 28774), (225, 28822), (249, 28894), (259, 28915),

Gene: Beatrix_61 Start: 42133, Stop: 41867, Start Num: 122
Candidate Starts for Beatrix_61:
(Start: 120 @42136 has 32 MA's), (Start: 122 @42133 has 105 MA's), (Start: 126 @42121 has 7 MA's), (Start: 170 @42097 has 2 MA's), (Start: 184 @42052 has 3 MA's), (189, 42034), (198, 42013), (211, 41983), (221, 41953), (251, 41878),

Gene: Beem_52 Start: 44133, Stop: 44378, Start Num: 167
Candidate Starts for Beem_52:
(Start: 167 @44133 has 57 MA's), (185, 44196), (195, 44226), (196, 44229), (222, 44289), (224, 44292), (225, 44295),

Gene: Beemo_58 Start: 38323, Stop: 38051, Start Num: 125
Candidate Starts for Beemo_58:
(Start: 125 @38323 has 115 MA's), (Start: 161 @38314 has 7 MA's), (Start: 182 @38257 has 1 MA's), (194, 38221), (209, 38182), (219, 38155), (224, 38143),

Gene: BeesKnees_64 Start: 40665, Stop: 40390, Start Num: 122
Candidate Starts for BeesKnees_64:
(Start: 122 @40665 has 105 MA's), (Start: 126 @40653 has 7 MA's), (185, 40572), (189, 40557), (198, 40536), (211, 40506), (221, 40476),

Gene: Beezoo_68 Start: 44417, Stop: 44659, Start Num: 164
Candidate Starts for Beezoo_68:
(Start: 164 @44417 has 163 MA's), (195, 44507), (232, 44603), (242, 44627),

Gene: Belenaria_46 Start: 34231, Stop: 33935, Start Num: 155
Candidate Starts for Belenaria_46:
(Start: 155 @34231 has 37 MA's), (Start: 170 @34213 has 2 MA's), (Start: 172 @34207 has 9 MA's), (211, 34090), (222, 34057), (225, 34051), (249, 33991), (262, 33943),

Gene: Bella96_67 Start: 44208, Stop: 44450, Start Num: 164
Candidate Starts for Bella96_67:
(Start: 164 @44208 has 163 MA's), (195, 44298), (232, 44394), (242, 44418),

Gene: Belladonna_66 Start: 43622, Stop: 43864, Start Num: 164
Candidate Starts for Belladonna_66:

(Start: 164 @43622 has 163 MA's), (195, 43712), (232, 43808), (242, 43832),

Gene: Bellis_31 Start: 28787, Stop: 29053, Start Num: 166

Candidate Starts for Bellis_31:

(Start: 166 @28787 has 192 MA's), (Start: 172 @28799 has 9 MA's), (Start: 178 @28832 has 6 MA's),

Gene: BelmontSKP_37 Start: 25815, Stop: 26045, Start Num: 168

Candidate Starts for BelmontSKP_37:

(Start: 168 @25815 has 57 MA's),

Gene: Bench_39 Start: 32995, Stop: 33240, Start Num: 166

Candidate Starts for Bench_39:

(Start: 166 @32995 has 192 MA's), (Start: 184 @33052 has 3 MA's), (195, 33085), (198, 33091), (219, 33145), (225, 33157),

Gene: Benvolio_55 Start: 37700, Stop: 37428, Start Num: 125

Candidate Starts for Benvolio_55:

(Start: 125 @37700 has 115 MA's), (Start: 161 @37691 has 7 MA's), (Start: 170 @37679 has 2 MA's), (Start: 172 @37673 has 9 MA's), (213, 37550),

Gene: Bernstein_33 Start: 23463, Stop: 23702, Start Num: 160

Candidate Starts for Bernstein_33:

(46, 23220), (55, 23250), (Start: 160 @23463 has 9 MA's), (Start: 168 @23472 has 57 MA's), (195, 23559), (240, 23664), (255, 23694),

Gene: Berrie_34 Start: 25682, Stop: 25942, Start Num: 145

Candidate Starts for Berrie_34:

(37, 25445), (41, 25454), (Start: 145 @25682 has 23 MA's),

Gene: Bethlehem_61 Start: 42502, Stop: 42233, Start Num: 120

Candidate Starts for Bethlehem_61:

(Start: 120 @42502 has 32 MA's), (Start: 122 @42499 has 105 MA's), (Start: 126 @42487 has 7 MA's), (140, 42472), (Start: 170 @42466 has 2 MA's), (185, 42415), (189, 42400), (198, 42379), (211, 42349), (221, 42319), (251, 42244),

Gene: Bexan_59 Start: 41912, Stop: 41646, Start Num: 122

Candidate Starts for Bexan_59:

(Start: 120 @41915 has 32 MA's), (Start: 122 @41912 has 105 MA's), (Start: 126 @41900 has 7 MA's), (Start: 170 @41876 has 2 MA's), (Start: 184 @41831 has 3 MA's), (189, 41813), (211, 41762), (251, 41657),

Gene: Big3_63 Start: 42551, Stop: 42288, Start Num: 122

Candidate Starts for Big3_63:

(Start: 120 @42554 has 32 MA's), (Start: 122 @42551 has 105 MA's), (Start: 126 @42539 has 7 MA's), (Start: 170 @42518 has 2 MA's), (185, 42467), (189, 42452), (198, 42431), (211, 42401), (221, 42371), (251, 42299),

Gene: Big4_346 Start: 183627, Stop: 183857, Start Num: 169

Candidate Starts for Big4_346:

(Start: 169 @183627 has 7 MA's), (190, 183699), (245, 183846),

Gene: Big4_20 Start: 8933, Stop: 9163, Start Num: 169

Candidate Starts for Big4_20:

(Start: 169 @8933 has 7 MA's), (190, 9005), (245, 9152),

Gene: Big4_204 Start: 114726, Stop: 114472, Start Num: 166

Candidate Starts for Big4_204:

(130, 114774), (Start: 166 @114726 has 192 MA's),

Gene: BigBubba_38 Start: 32898, Stop: 33143, Start Num: 166

Candidate Starts for BigBubba_38:

(Start: 166 @32898 has 192 MA's), (Start: 184 @32955 has 3 MA's), (195, 32988), (198, 32994), (217, 33042), (219, 33048), (225, 33060),

Gene: BigCheese_32 Start: 28422, Stop: 28688, Start Num: 166

Candidate Starts for BigCheese_32:

(Start: 166 @28422 has 192 MA's), (Start: 178 @28467 has 6 MA's), (196, 28518), (225, 28584), (249, 28656), (259, 28677),

Gene: BigPaolini_59 Start: 39208, Stop: 38933, Start Num: 122

Candidate Starts for BigPaolini_59:

(Start: 120 @39211 has 32 MA's), (Start: 122 @39208 has 105 MA's), (Start: 126 @39196 has 7 MA's), (Start: 170 @39166 has 2 MA's), (185, 39115), (189, 39100), (198, 39079), (211, 39049), (221, 39019),

Gene: Bigfoot_54 Start: 40154, Stop: 39888, Start Num: 122

Candidate Starts for Bigfoot_54:

(Start: 120 @40157 has 32 MA's), (Start: 122 @40154 has 105 MA's), (Start: 126 @40142 has 7 MA's), (Start: 170 @40121 has 2 MA's), (185, 40070), (189, 40055), (198, 40034), (211, 40004), (221, 39974),

Gene: Biglebops_55 Start: 40941, Stop: 41186, Start Num: 164

Candidate Starts for Biglebops_55:

(109, 40869), (Start: 164 @40941 has 163 MA's), (201, 41046), (218, 41088), (232, 41124),

Gene: BilboSwaggins_37 Start: 33135, Stop: 33380, Start Num: 166

Candidate Starts for BilboSwaggins_37:

(Start: 166 @33135 has 192 MA's), (Start: 184 @33192 has 3 MA's), (195, 33225), (198, 33231), (219, 33285), (225, 33297),

Gene: Bircsak_61 Start: 42809, Stop: 42543, Start Num: 122

Candidate Starts for Bircsak_61:

(Start: 120 @42812 has 32 MA's), (Start: 122 @42809 has 105 MA's), (Start: 126 @42797 has 7 MA's), (Start: 170 @42776 has 2 MA's), (185, 42725), (189, 42710), (198, 42689), (211, 42659), (221, 42629),

Gene: Blizzard_66 Start: 43819, Stop: 44061, Start Num: 164

Candidate Starts for Blizzard_66:

(Start: 164 @43819 has 163 MA's), (195, 43909), (232, 44005), (242, 44029),

Gene: Bloom_112 Start: 87140, Stop: 87388, Start Num: 166

Candidate Starts for Bloom_112:

(Start: 166 @87140 has 192 MA's), (Start: 170 @87146 has 2 MA's), (Start: 172 @87152 has 9 MA's),

Gene: Blue_61 Start: 41818, Stop: 41588, Start Num: 170

Candidate Starts for Blue_61:

(Start: 120 @41857 has 32 MA's), (Start: 122 @41854 has 105 MA's), (Start: 126 @41842 has 7 MA's), (Start: 170 @41818 has 2 MA's), (Start: 184 @41773 has 3 MA's), (189, 41755), (211, 41704), (239, 41629), (251, 41599),

Gene: BobSwaget_54 Start: 37176, Stop: 36904, Start Num: 125

Candidate Starts for BobSwaget_54:

(Start: 125 @37176 has 115 MA's), (Start: 172 @37149 has 9 MA's), (213, 37026), (224, 36996),

Gene: Bobby_51 Start: 42712, Stop: 42957, Start Num: 167

Candidate Starts for Bobby_51:

(Start: 167 @42712 has 57 MA's), (214, 42844),

Gene: BobbyDazzler_46 Start: 34344, Stop: 34048, Start Num: 155

Candidate Starts for BobbyDazzler_46:

(Start: 155 @34344 has 37 MA's), (Start: 170 @34326 has 2 MA's), (Start: 172 @34320 has 9 MA's), (211, 34203), (222, 34170), (225, 34164), (249, 34104), (262, 34056),

Gene: BobsGarage_32 Start: 28422, Stop: 28688, Start Num: 166

Candidate Starts for BobsGarage_32:

(Start: 166 @28422 has 192 MA's), (Start: 178 @28467 has 6 MA's), (196, 28518), (225, 28584), (249, 28656), (259, 28677),

Gene: BogosyJay_57 Start: 38245, Stop: 37973, Start Num: 125

Candidate Starts for BogosyJay_57:

(Start: 125 @38245 has 115 MA's), (Start: 161 @38236 has 7 MA's), (Start: 182 @38179 has 1 MA's), (194, 38143), (224, 38065),

Gene: Boiiii_66 Start: 43821, Stop: 44063, Start Num: 164

Candidate Starts for Boiiii_66:

(Start: 164 @43821 has 163 MA's), (195, 43911), (232, 44007), (242, 44031),

Gene: Boilgate_63 Start: 45255, Stop: 45500, Start Num: 149

Candidate Starts for Boilgate_63:

(Start: 149 @45255 has 7 MA's), (Start: 166 @45270 has 192 MA's), (248, 45486), (252, 45489),

Gene: Bombitas_49 Start: 43727, Stop: 43975, Start Num: 167

Candidate Starts for Bombitas_49:

(Start: 167 @43727 has 57 MA's), (214, 43859),

Gene: Bonanza_46 Start: 34272, Stop: 33976, Start Num: 155

Candidate Starts for Bonanza_46:

(Start: 155 @34272 has 37 MA's), (Start: 170 @34254 has 2 MA's), (Start: 172 @34248 has 9 MA's), (211, 34131), (222, 34098), (225, 34092), (249, 34032), (262, 33984),

Gene: Bongo_39 Start: 32762, Stop: 33040, Start Num: 144

Candidate Starts for Bongo_39:

(82, 32651), (Start: 144 @32762 has 11 MA's), (Start: 160 @32780 has 9 MA's), (185, 32843), (218, 32930), (221, 32939), (225, 32948),

Gene: Boohoo_64 Start: 37667, Stop: 37398, Start Num: 154

Candidate Starts for Boohoo_64:

(14, 38111), (17, 38087), (25, 38009), (Start: 154 @37667 has 21 MA's), (224, 37490), (241, 37451),

Gene: BoostSeason_69 Start: 45667, Stop: 45912, Start Num: 164
Candidate Starts for BoostSeason_69:
(112, 45610), (114, 45616), (Start: 164 @45667 has 163 MA's), (195, 45757), (222, 45826), (232, 45850), (256, 45904),

Gene: Bosection6_51 Start: 33918, Stop: 34166, Start Num: 153
Candidate Starts for Bosection6_51:
(11, 33354), (27, 33573), (54, 33711), (64, 33744), (105, 33840), (Start: 153 @33918 has 31 MA's), (Start: 166 @33930 has 192 MA's), (195, 34014), (221, 34080), (222, 34083),

Gene: Bowtie_58 Start: 37793, Stop: 37521, Start Num: 125
Candidate Starts for Bowtie_58:
(Start: 125 @37793 has 115 MA's), (Start: 161 @37784 has 7 MA's), (224, 37613),

Gene: Bradshaw_46 Start: 34298, Stop: 34002, Start Num: 155
Candidate Starts for Bradshaw_46:
(Start: 155 @34298 has 37 MA's), (Start: 170 @34280 has 2 MA's), (Start: 172 @34274 has 9 MA's), (211, 34157), (222, 34124), (225, 34118), (249, 34058), (262, 34010),

Gene: Brahms_33 Start: 23410, Stop: 23649, Start Num: 160
Candidate Starts for Brahms_33:
(46, 23167), (55, 23197), (Start: 160 @23410 has 9 MA's), (Start: 168 @23419 has 57 MA's), (195, 23506), (240, 23611), (255, 23641),

Gene: Breezona_32 Start: 28422, Stop: 28688, Start Num: 166
Candidate Starts for Breezona_32:
(Start: 166 @28422 has 192 MA's), (Start: 178 @28467 has 6 MA's), (196, 28518), (225, 28584), (249, 28656), (259, 28677),

Gene: Bricole_39 Start: 32748, Stop: 33026, Start Num: 144
Candidate Starts for Bricole_39:
(82, 32637), (Start: 144 @32748 has 11 MA's), (Start: 160 @32766 has 9 MA's), (185, 32829), (218, 32916), (221, 32925), (225, 32934),

Gene: Bromden_32 Start: 28137, Stop: 28400, Start Num: 166
Candidate Starts for Bromden_32:
(Start: 166 @28137 has 192 MA's), (Start: 178 @28182 has 6 MA's), (221, 28290), (249, 28371),

Gene: Bruin_37 Start: 33155, Stop: 33400, Start Num: 166
Candidate Starts for Bruin_37:
(Start: 166 @33155 has 192 MA's), (Start: 184 @33212 has 3 MA's), (195, 33245), (198, 33251), (219, 33305), (225, 33317),

Gene: BrutonGaster_100 Start: 65316, Stop: 65621, Start Num: 141
Candidate Starts for BrutonGaster_100:
(92, 65226), (Start: 141 @65316 has 2 MA's), (Start: 149 @65328 has 7 MA's), (219, 65496), (247, 65574),

Gene: Bryce_45 Start: 34052, Stop: 33756, Start Num: 155
Candidate Starts for Bryce_45:
(Start: 155 @34052 has 37 MA's), (Start: 170 @34034 has 2 MA's), (Start: 172 @34028 has 9 MA's), (211, 33911), (222, 33878), (225, 33872), (249, 33812), (262, 33764),

Gene: Bryler_70 Start: 43476, Stop: 43715, Start Num: 164
Candidate Starts for Bryler_70:
(106, 43392), (Start: 164 @43476 has 163 MA's), (Start: 170 @43485 has 2 MA's), (195, 43566), (217, 43620),

Gene: BubbaBear_35 Start: 25387, Stop: 25617, Start Num: 168
Candidate Starts for BubbaBear_35:
(Start: 168 @25387 has 57 MA's),

Gene: Buck_36 Start: 33091, Stop: 33336, Start Num: 166
Candidate Starts for Buck_36:
(Start: 166 @33091 has 192 MA's), (Start: 184 @33148 has 3 MA's), (195, 33181), (198, 33187), (219, 33241), (225, 33253),

Gene: Bud_57 Start: 37340, Stop: 37068, Start Num: 125
Candidate Starts for Bud_57:
(Start: 125 @37340 has 115 MA's), (Start: 161 @37331 has 7 MA's), (224, 37160),

Gene: BugsBunny_35 Start: 32724, Stop: 32969, Start Num: 166
Candidate Starts for BugsBunny_35:
(Start: 166 @32724 has 192 MA's), (Start: 184 @32781 has 3 MA's), (195, 32814), (198, 32820), (219, 32874), (225, 32886),

Gene: Buggy_60 Start: 38826, Stop: 38554, Start Num: 125
Candidate Starts for Buggy_60:
(35, 39066), (44, 39027), (Start: 125 @38826 has 115 MA's), (Start: 161 @38817 has 7 MA's), (Start: 170 @38805 has 2 MA's), (Start: 172 @38799 has 9 MA's), (213, 38676),

Gene: Buldak_34 Start: 24254, Stop: 24493, Start Num: 168
Candidate Starts for Buldak_34:
(5, 23414), (10, 23633), (32, 23939), (138, 24218), (Start: 168 @24254 has 57 MA's), (195, 24341),

Gene: Burritobowl_36 Start: 25388, Stop: 25618, Start Num: 168
Candidate Starts for Burritobowl_36:
(Start: 168 @25388 has 57 MA's),

Gene: Burton_63 Start: 42834, Stop: 42568, Start Num: 122
Candidate Starts for Burton_63:
(Start: 120 @42837 has 32 MA's), (Start: 122 @42834 has 105 MA's), (Start: 126 @42822 has 7 MA's), (Start: 170 @42801 has 2 MA's), (185, 42750), (189, 42735), (198, 42714), (211, 42684), (221, 42654), (251, 42579),

Gene: Butters_53 Start: 35513, Stop: 35761, Start Num: 153
Candidate Starts for Butters_53:
(64, 35339), (105, 35435), (Start: 153 @35513 has 31 MA's), (Start: 166 @35525 has 192 MA's), (195, 35609), (221, 35675), (222, 35678),

Gene: Buttons_59 Start: 38725, Stop: 38456, Start Num: 120
Candidate Starts for Buttons_59:
(Start: 120 @38725 has 32 MA's), (Start: 122 @38722 has 105 MA's), (Start: 126 @38710 has 7 MA's), (Start: 170 @38689 has 2 MA's), (185, 38638), (189, 38623), (198, 38602), (211, 38572), (221, 38542),

Gene: Bxb1_56 Start: 39835, Stop: 39569, Start Num: 122

Candidate Starts for Bxb1_56:

(Start: 120 @39838 has 32 MA's), (Start: 122 @39835 has 105 MA's), (Start: 126 @39823 has 7 MA's), (Start: 170 @39802 has 2 MA's), (185, 39751), (189, 39736), (198, 39715), (211, 39685), (221, 39655), (251, 39580),

Gene: C3_56 Start: 38705, Stop: 38394, Start Num: 107

Candidate Starts for C3_56:

(Start: 107 @38705 has 4 MA's), (Start: 127 @38666 has 9 MA's), (Start: 161 @38657 has 7 MA's), (194, 38564), (213, 38516), (224, 38486),

Gene: CREW_66 Start: 43622, Stop: 43864, Start Num: 164

Candidate Starts for CREW_66:

(Start: 164 @43622 has 163 MA's), (195, 43712), (232, 43808), (242, 43832),

Gene: Cactus_38 Start: 32346, Stop: 32591, Start Num: 166

Candidate Starts for Cactus_38:

(Start: 166 @32346 has 192 MA's), (Start: 184 @32403 has 3 MA's), (195, 32436), (198, 32442), (219, 32496), (225, 32508),

Gene: CactusRose_62 Start: 41174, Stop: 40908, Start Num: 122

Candidate Starts for CactusRose_62:

(Start: 120 @41177 has 32 MA's), (Start: 122 @41174 has 105 MA's), (Start: 126 @41162 has 7 MA's), (Start: 170 @41141 has 2 MA's), (185, 41090), (189, 41075), (198, 41054), (211, 41024), (221, 40994),

Gene: Cain_70 Start: 43464, Stop: 43703, Start Num: 164

Candidate Starts for Cain_70:

(106, 43380), (Start: 164 @43464 has 163 MA's), (Start: 170 @43473 has 2 MA's), (195, 43554), (217, 43608),

Gene: CallinAllBarbz_34 Start: 24734, Stop: 24985, Start Num: 161

Candidate Starts for CallinAllBarbz_34:

(Start: 161 @24734 has 7 MA's), (194, 24827), (238, 24932),

Gene: Calm_30 Start: 27704, Stop: 27973, Start Num: 166

Candidate Starts for Calm_30:

(Start: 166 @27704 has 192 MA's), (Start: 178 @27749 has 6 MA's), (221, 27857),

Gene: Candle_40 Start: 36392, Stop: 36637, Start Num: 159

Candidate Starts for Candle_40:

(Start: 124 @36350 has 1 MA's), (Start: 159 @36392 has 15 MA's), (Start: 172 @36413 has 9 MA's), (Start: 176 @36434 has 2 MA's), (185, 36461), (226, 36560), (227, 36563), (228, 36566), (246, 36617),

Gene: Capricorn_66 Start: 43622, Stop: 43864, Start Num: 164

Candidate Starts for Capricorn_66:

(Start: 164 @43622 has 163 MA's), (195, 43712), (232, 43808), (242, 43832),

Gene: Caraxes_58 Start: 36944, Stop: 36672, Start Num: 125

Candidate Starts for Caraxes_58:

(Start: 125 @36944 has 115 MA's), (Start: 172 @36917 has 9 MA's), (213, 36794), (217, 36782),

Gene: Carcharodon_50 Start: 34905, Stop: 35153, Start Num: 153

Candidate Starts for Carcharodon_50:

(19, 34491), (54, 34698), (64, 34731), (105, 34827), (Start: 153 @34905 has 31 MA's), (Start: 166 @34917 has 192 MA's), (Start: 170 @34923 has 2 MA's), (195, 35001), (221, 35067), (222, 35070),

Gene: Cardigan_134 Start: 76224, Stop: 76523, Start Num: 147

Candidate Starts for Cardigan_134:

(Start: 147 @76224 has 13 MA's), (179, 76284), (194, 76326), (198, 76335), (211, 76371), (221, 76401), (233, 76431),

Gene: Carlyle_62 Start: 39960, Stop: 39694, Start Num: 122

Candidate Starts for Carlyle_62:

(Start: 120 @39963 has 32 MA's), (Start: 122 @39960 has 105 MA's), (Start: 126 @39948 has 7 MA's), (Start: 170 @39924 has 2 MA's), (Start: 184 @39879 has 3 MA's), (189, 39861), (209, 39813), (211, 39810), (239, 39735), (251, 39705),

Gene: Caron_44 Start: 27999, Stop: 28262, Start Num: 123

Candidate Starts for Caron_44:

(65, 27885), (66, 27888), (Start: 123 @27999 has 10 MA's), (Start: 170 @28053 has 2 MA's),

Gene: CaseJules_68 Start: 43819, Stop: 44061, Start Num: 164

Candidate Starts for CaseJules_68:

(Start: 164 @43819 has 163 MA's), (195, 43909), (232, 44005), (242, 44029),

Gene: Cashington_34 Start: 24734, Stop: 24964, Start Num: 168

Candidate Starts for Cashington_34:

(Start: 168 @24734 has 57 MA's), (217, 24875),

Gene: Cassia_34 Start: 25274, Stop: 25540, Start Num: 145

Candidate Starts for Cassia_34:

(Start: 145 @25274 has 23 MA's), (222, 25457),

Gene: Cassita_54 Start: 33514, Stop: 33735, Start Num: 168

Candidate Starts for Cassita_54:

(74, 33349), (82, 33376), (84, 33379), (Start: 168 @33514 has 57 MA's), (198, 33607),

Gene: Catalina_59 Start: 38226, Stop: 37954, Start Num: 125

Candidate Starts for Catalina_59:

(Start: 125 @38226 has 115 MA's), (Start: 161 @38217 has 7 MA's), (Start: 182 @38160 has 1 MA's), (194, 38124), (209, 38085), (219, 38058), (224, 38046),

Gene: Catfish_63 Start: 40933, Stop: 41151, Start Num: 166

Candidate Starts for Catfish_63:

(Start: 166 @40933 has 192 MA's), (Start: 177 @40966 has 1 MA's), (211, 41056),

Gene: Cece_195 Start: 119232, Stop: 118984, Start Num: 166

Candidate Starts for Cece_195:

(Start: 129 @119280 has 11 MA's), (Start: 137 @119265 has 4 MA's), (Start: 166 @119232 has 192 MA's), (207, 119118), (217, 119097), (231, 119052),

Gene: Celaena_34 Start: 26364, Stop: 26594, Start Num: 168

Candidate Starts for Celaena_34:

(85, 26235), (92, 26244), (93, 26250), (99, 26259), (106, 26271), (110, 26277), (116, 26289), (Start: 160 @26355 has 9 MA's), (Start: 168 @26364 has 57 MA's), (195, 26451), (217, 26505), (240, 26556),

Gene: Cen1621_38 Start: 25188, Stop: 25475, Start Num: 108
Candidate Starts for Cen1621_38:
(Start: 108 @25188 has 1 MA's), (131, 25215), (208, 25371), (217, 25395),

Gene: Chanagan_56 Start: 38816, Stop: 38541, Start Num: 122
Candidate Starts for Chanagan_56:
(Start: 120 @38819 has 32 MA's), (Start: 122 @38816 has 105 MA's), (Start: 126 @38804 has 7 MA's), (Start: 170 @38774 has 2 MA's), (185, 38723), (189, 38708), (198, 38687), (211, 38657), (221, 38627),

Gene: Charlie_51 Start: 33657, Stop: 33905, Start Num: 153
Candidate Starts for Charlie_51:
(11, 33093), (27, 33312), (54, 33450), (64, 33483), (105, 33579), (Start: 153 @33657 has 31 MA's), (Start: 166 @33669 has 192 MA's), (195, 33753), (221, 33819), (222, 33822),

Gene: Charm_56 Start: 38090, Stop: 37818, Start Num: 125
Candidate Starts for Charm_56:
(Start: 125 @38090 has 115 MA's), (Start: 182 @38024 has 1 MA's), (194, 37988), (219, 37922), (224, 37910), (230, 37901),

Gene: Chaser_30 Start: 27536, Stop: 27799, Start Num: 166
Candidate Starts for Chaser_30:
(Start: 166 @27536 has 192 MA's), (Start: 178 @27581 has 6 MA's), (224, 27695),

Gene: Che12_59 Start: 37385, Stop: 37113, Start Num: 125
Candidate Starts for Che12_59:
(Start: 125 @37385 has 115 MA's), (Start: 172 @37358 has 9 MA's), (180, 37322), (198, 37274), (213, 37235), (217, 37223), (224, 37205),

Gene: CheetoDust_66 Start: 43333, Stop: 43575, Start Num: 164
Candidate Starts for CheetoDust_66:
(Start: 122 @43288 has 105 MA's), (Start: 164 @43333 has 163 MA's), (195, 43423), (232, 43519), (242, 43543),

Gene: CherryTomatoes_78 Start: 28836, Stop: 29102, Start Num: 161
Candidate Starts for CherryTomatoes_78:
(Start: 161 @28836 has 7 MA's), (Start: 178 @28884 has 6 MA's), (224, 29004), (245, 29064),

Gene: Chewbacca_52 Start: 34905, Stop: 35153, Start Num: 153
Candidate Starts for Chewbacca_52:
(19, 34491), (54, 34698), (64, 34731), (105, 34827), (Start: 153 @34905 has 31 MA's), (Start: 166 @34917 has 192 MA's), (Start: 170 @34923 has 2 MA's), (195, 35001), (221, 35067), (222, 35070),

Gene: ChiliPepper_33 Start: 25809, Stop: 26048, Start Num: 160
Candidate Starts for ChiliPepper_33:
(21, 25398), (29, 25461), (30, 25479), (31, 25500), (34, 25509), (38, 25533), (42, 25551), (45, 25557), (51, 25584), (52, 25587), (58, 25608), (59, 25611), (68, 25638), (72, 25650), (76, 25665), (81, 25680), (85, 25689), (92, 25698), (93, 25704), (99, 25713), (106, 25725), (110, 25731), (Start: 160 @25809 has 9 MA's), (Start: 168 @25818 has 57 MA's), (190, 25890), (195, 25905), (217, 25959), (240,

26010), (255, 26040),

Gene: ChipMunk_60 Start: 40026, Stop: 39754, Start Num: 125

Candidate Starts for ChipMunk_60:

(Start: 125 @40026 has 115 MA's), (Start: 161 @40017 has 7 MA's), (Start: 170 @40005 has 2 MA's), (Start: 172 @39999 has 9 MA's), (213, 39876),

Gene: ChosenOne_37 Start: 32343, Stop: 32588, Start Num: 166

Candidate Starts for ChosenOne_37:

(Start: 166 @32343 has 192 MA's), (Start: 184 @32400 has 3 MA's), (195, 32433), (198, 32439), (219, 32493), (225, 32505),

Gene: ChotaBhai_37 Start: 32381, Stop: 32626, Start Num: 166

Candidate Starts for ChotaBhai_37:

(Start: 166 @32381 has 192 MA's), (Start: 184 @32438 has 3 MA's), (195, 32471), (198, 32477), (217, 32525), (219, 32531), (225, 32543),

Gene: Chris_69 Start: 44665, Stop: 44892, Start Num: 164

Candidate Starts for Chris_69:

(Start: 164 @44665 has 163 MA's), (217, 44797), (232, 44836),

Gene: Ciao_60 Start: 40180, Stop: 39914, Start Num: 122

Candidate Starts for Ciao_60:

(Start: 120 @40183 has 32 MA's), (Start: 122 @40180 has 105 MA's), (Start: 126 @40168 has 7 MA's), (Start: 170 @40147 has 2 MA's), (185, 40096), (189, 40081), (198, 40060), (211, 40030), (221, 40000),

Gene: CicholasNage_30 Start: 27692, Stop: 27961, Start Num: 166

Candidate Starts for CicholasNage_30:

(Start: 166 @27692 has 192 MA's), (Start: 178 @27737 has 6 MA's), (221, 27845),

Gene: Cjw1_37 Start: 33895, Stop: 34140, Start Num: 166

Candidate Starts for Cjw1_37:

(Start: 166 @33895 has 192 MA's), (Start: 184 @33952 has 3 MA's), (195, 33985), (198, 33991), (219, 34045), (225, 34057),

Gene: Claus_32 Start: 28444, Stop: 28665, Start Num: 178

Candidate Starts for Claus_32:

(Start: 166 @28399 has 192 MA's), (Start: 178 @28444 has 6 MA's), (196, 28495), (203, 28513), (249, 28633), (259, 28654),

Gene: Clautastrophe_31 Start: 28784, Stop: 29050, Start Num: 166

Candidate Starts for Clautastrophe_31:

(Start: 166 @28784 has 192 MA's), (Start: 172 @28796 has 9 MA's), (Start: 178 @28829 has 6 MA's),

Gene: Clayda5_34 Start: 23406, Stop: 23636, Start Num: 168

Candidate Starts for Clayda5_34:

(46, 23154), (55, 23184), (Start: 160 @23397 has 9 MA's), (Start: 168 @23406 has 57 MA's), (195, 23493), (240, 23598), (255, 23628),

Gene: ClubL_125 Start: 70565, Stop: 70858, Start Num: 147

Candidate Starts for ClubL_125:

(Start: 147 @70565 has 13 MA's), (Start: 176 @70613 has 2 MA's), (221, 70742),

Gene: Collard_58 Start: 40730, Stop: 40978, Start Num: 164
Candidate Starts for Collard_58:
(Start: 164 @40730 has 163 MA's), (212, 40862), (222, 40892), (236, 40925),

Gene: Coltrane_33 Start: 23410, Stop: 23649, Start Num: 160
Candidate Starts for Coltrane_33:
(46, 23167), (55, 23197), (Start: 160 @23410 has 9 MA's), (Start: 168 @23419 has 57 MA's), (195, 23506), (240, 23611), (255, 23641),

Gene: Command613_38 Start: 33402, Stop: 33647, Start Num: 166
Candidate Starts for Command613_38:
(Start: 166 @33402 has 192 MA's), (Start: 184 @33459 has 3 MA's), (195, 33492), (198, 33498), (219, 33552), (225, 33564),

Gene: Community_34 Start: 26806, Stop: 27072, Start Num: 145
Candidate Starts for Community_34:
(37, 26569), (41, 26578), (Start: 145 @26806 has 23 MA's),

Gene: ConceptII_64 Start: 42246, Stop: 41980, Start Num: 122
Candidate Starts for ConceptII_64:
(Start: 120 @42249 has 32 MA's), (Start: 122 @42246 has 105 MA's), (Start: 126 @42234 has 7 MA's), (Start: 170 @42213 has 2 MA's), (185, 42162), (189, 42147), (198, 42126), (211, 42096), (221, 42066),

Gene: Conquerage_58 Start: 38297, Stop: 38025, Start Num: 125
Candidate Starts for Conquerage_58:
(Start: 125 @38297 has 115 MA's), (Start: 161 @38288 has 7 MA's), (Start: 182 @38231 has 1 MA's), (194, 38195), (209, 38156), (219, 38129), (224, 38117),

Gene: Constella_44 Start: 40270, Stop: 40518, Start Num: 167
Candidate Starts for Constella_44:
(Start: 167 @40270 has 57 MA's), (Start: 177 @40309 has 1 MA's), (195, 40363), (196, 40366), (221, 40423), (232, 40459), (249, 40507),

Gene: Contagion_36 Start: 32639, Stop: 32884, Start Num: 166
Candidate Starts for Contagion_36:
(Start: 166 @32639 has 192 MA's), (Start: 184 @32696 has 3 MA's), (195, 32729), (198, 32735), (217, 32783), (219, 32789), (225, 32801),

Gene: Cookies_37 Start: 33004, Stop: 33249, Start Num: 166
Candidate Starts for Cookies_37:
(Start: 166 @33004 has 192 MA's), (Start: 184 @33061 has 3 MA's), (195, 33094), (198, 33100), (217, 33148), (219, 33154), (225, 33166),

Gene: Corvo_63 Start: 42111, Stop: 41845, Start Num: 122
Candidate Starts for Corvo_63:
(Start: 120 @42114 has 32 MA's), (Start: 122 @42111 has 105 MA's), (Start: 126 @42099 has 7 MA's), (Start: 170 @42078 has 2 MA's), (185, 42027), (189, 42012), (198, 41991), (211, 41961), (221, 41931), (251, 41856),

Gene: CosmicSans_46 Start: 34298, Stop: 34002, Start Num: 155
Candidate Starts for CosmicSans_46:

(Start: 155 @34298 has 37 MA's), (Start: 170 @34280 has 2 MA's), (Start: 172 @34274 has 9 MA's), (211, 34157), (222, 34124), (225, 34118), (249, 34058), (262, 34010),

Gene: Cosmo_53 Start: 39361, Stop: 39609, Start Num: 166

Candidate Starts for Cosmo_53:

(Start: 166 @39361 has 192 MA's), (191, 39442), (210, 39490), (222, 39523), (224, 39526), (225, 39529), (239, 39562), (254, 39598),

Gene: Count_87 Start: 57913, Stop: 58173, Start Num: 157

Candidate Starts for Count_87:

(Start: 157 @57913 has 2 MA's),

Gene: Courthouse_51 Start: 40812, Stop: 41051, Start Num: 172

Candidate Starts for Courthouse_51:

(Start: 172 @40812 has 9 MA's), (Start: 177 @40839 has 1 MA's), (195, 40893), (196, 40896), (221, 40953), (232, 40989),

Gene: Crewmate_37 Start: 25536, Stop: 25778, Start Num: 146

Candidate Starts for Crewmate_37:

(37, 25278), (48, 25314), (Start: 146 @25536 has 3 MA's),

Gene: CrimD_68 Start: 44444, Stop: 44686, Start Num: 164

Candidate Starts for CrimD_68:

(Start: 164 @44444 has 163 MA's), (195, 44534), (232, 44630),

Gene: CroZenni_36 Start: 25278, Stop: 25508, Start Num: 168

Candidate Starts for CroZenni_36:

(84, 25149), (85, 25152), (95, 25170), (102, 25182), (104, 25185), (111, 25194), (113, 25197), (Start: 160 @25269 has 9 MA's), (Start: 168 @25278 has 57 MA's),

Gene: Crossroads_32 Start: 28422, Stop: 28688, Start Num: 166

Candidate Starts for Crossroads_32:

(Start: 166 @28422 has 192 MA's), (Start: 178 @28467 has 6 MA's), (196, 28518), (225, 28584), (249, 28656), (259, 28677),

Gene: Crucio_58 Start: 38443, Stop: 38171, Start Num: 125

Candidate Starts for Crucio_58:

(Start: 125 @38443 has 115 MA's), (Start: 161 @38434 has 7 MA's), (Start: 170 @38422 has 2 MA's), (Start: 172 @38416 has 9 MA's), (213, 38293),

Gene: CrystalP_37 Start: 33135, Stop: 33380, Start Num: 166

Candidate Starts for CrystalP_37:

(Start: 166 @33135 has 192 MA's), (Start: 184 @33192 has 3 MA's), (195, 33225), (198, 33231), (219, 33285), (225, 33297),

Gene: Cucurbita_126 Start: 72310, Stop: 72600, Start Num: 149

Candidate Starts for Cucurbita_126:

(88, 72202), (96, 72217), (Start: 121 @72262 has 1 MA's), (Start: 149 @72310 has 7 MA's), (Start: 176 @72355 has 2 MA's), (221, 72484),

Gene: Culver_125 Start: 70325, Stop: 70618, Start Num: 147

Candidate Starts for Culver_125:

(Start: 147 @70325 has 13 MA's), (Start: 176 @70373 has 2 MA's), (221, 70502),

Gene: Curiosium_70 Start: 43138, Stop: 43380, Start Num: 164

Candidate Starts for Curiosium_70:

(103, 43060), (Start: 164 @43138 has 163 MA's), (195, 43228), (232, 43324), (242, 43348),

Gene: Cyan_33 Start: 24752, Stop: 24994, Start Num: 145

Candidate Starts for Cyan_33:

(37, 24494), (Start: 145 @24752 has 23 MA's), (222, 24911),

Gene: Czyszczone1_38 Start: 32880, Stop: 33125, Start Num: 166

Candidate Starts for Czyszczone1_38:

(Start: 166 @32880 has 192 MA's), (Start: 184 @32937 has 3 MA's), (195, 32970), (198, 32976), (219, 33030), (225, 33042),

Gene: D29_56 Start: 38269, Stop: 37997, Start Num: 125

Candidate Starts for D29_56:

(Start: 125 @38269 has 115 MA's), (Start: 161 @38260 has 7 MA's), (194, 38167), (224, 38089), (245, 38035),

Gene: D32_59 Start: 38269, Stop: 37997, Start Num: 125

Candidate Starts for D32_59:

(Start: 125 @38269 has 115 MA's), (Start: 161 @38260 has 7 MA's), (194, 38167), (224, 38089), (245, 38035),

Gene: DBQu4n_60 Start: 38250, Stop: 37978, Start Num: 125

Candidate Starts for DBQu4n_60:

(Start: 125 @38250 has 115 MA's), (Start: 161 @38241 has 7 MA's), (194, 38148), (224, 38070), (245, 38016),

Gene: DD5_60 Start: 41693, Stop: 41418, Start Num: 122

Candidate Starts for DD5_60:

(Start: 122 @41693 has 105 MA's), (Start: 126 @41681 has 7 MA's), (Start: 170 @41651 has 2 MA's), (185, 41600), (189, 41585), (198, 41564), (209, 41537), (211, 41534), (221, 41504), (251, 41429),

Gene: DS6A_74 Start: 48826, Stop: 49065, Start Num: 164

Candidate Starts for DS6A_74:

(62, 48631), (Start: 164 @48826 has 163 MA's), (Start: 178 @48868 has 6 MA's), (189, 48901), (222, 48985),

Gene: Dadosky_62 Start: 41083, Stop: 41331, Start Num: 164

Candidate Starts for Dadosky_62:

(Start: 164 @41083 has 163 MA's), (189, 41158), (218, 41230),

Gene: Daikon_36 Start: 32873, Stop: 33118, Start Num: 166

Candidate Starts for Daikon_36:

(Start: 166 @32873 has 192 MA's), (Start: 184 @32930 has 3 MA's), (195, 32963), (198, 32969), (217, 33017), (219, 33023), (225, 33035),

Gene: Dallas_54 Start: 43667, Stop: 43912, Start Num: 167

Candidate Starts for Dallas_54:

(Start: 167 @43667 has 57 MA's), (185, 43730), (195, 43760), (196, 43763), (222, 43823), (224, 43826), (225, 43829),

Gene: Dalmatian_59 Start: 38649, Stop: 38377, Start Num: 125

Candidate Starts for Dalmatian_59:

(Start: 125 @38649 has 115 MA's), (Start: 161 @38640 has 7 MA's), (Start: 170 @38628 has 2 MA's), (Start: 172 @38622 has 9 MA's), (213, 38499), (224, 38469),

Gene: Dalmuri_66 Start: 43622, Stop: 43864, Start Num: 164

Candidate Starts for Dalmuri_66:

(Start: 164 @43622 has 163 MA's), (195, 43712), (232, 43808), (242, 43832),

Gene: Dardanus_57 Start: 37159, Stop: 37398, Start Num: 163

Candidate Starts for Dardanus_57:

(90, 37051), (Start: 163 @37159 has 11 MA's), (179, 37201), (198, 37252), (199, 37255), (219, 37306), (222, 37315), (231, 37336),

Gene: Daredevil_75 Start: 52964, Stop: 52707, Start Num: 147

Candidate Starts for Daredevil_75:

(117, 53015), (Start: 123 @53000 has 10 MA's), (Start: 129 @52991 has 11 MA's), (131, 52988), (Start: 147 @52964 has 13 MA's), (222, 52793),

Gene: Darrell_60 Start: 38922, Stop: 38650, Start Num: 125

Candidate Starts for Darrell_60:

(Start: 125 @38922 has 115 MA's), (Start: 161 @38913 has 7 MA's), (Start: 182 @38856 has 1 MA's), (194, 38820), (213, 38772), (231, 38730),

Gene: DarthP_66 Start: 43967, Stop: 44206, Start Num: 164

Candidate Starts for DarthP_66:

(Start: 164 @43967 has 163 MA's), (195, 44057), (218, 44117),

Gene: DarthPhader_54 Start: 39183, Stop: 38911, Start Num: 127

Candidate Starts for DarthPhader_54:

(Start: 127 @39183 has 9 MA's), (Start: 161 @39174 has 7 MA's), (194, 39081), (213, 39033), (221, 39009), (224, 39003),

Gene: DatBoi_82 Start: 57093, Stop: 56827, Start Num: 147

Candidate Starts for DatBoi_82:

(128, 57123), (130, 57120), (Start: 147 @57093 has 13 MA's),

Gene: Deby_67 Start: 44105, Stop: 44347, Start Num: 164

Candidate Starts for Deby_67:

(Start: 164 @44105 has 163 MA's), (195, 44195), (232, 44291), (242, 44315),

Gene: DejaVu_31 Start: 9377, Stop: 9625, Start Num: 167

Candidate Starts for DejaVu_31:

(Start: 136 @9338 has 2 MA's), (Start: 167 @9377 has 57 MA's), (179, 9422), (192, 9458), (247, 9605),

Gene: DekHockey33_65 Start: 37959, Stop: 37690, Start Num: 154

Candidate Starts for DekHockey33_65:

(14, 38403), (25, 38301), (Start: 154 @37959 has 21 MA's), (224, 37782),

Gene: Devera_74 Start: 45458, Stop: 45700, Start Num: 164

Candidate Starts for Devera_74:

(Start: 164 @45458 has 163 MA's), (195, 45548), (232, 45644), (242, 45668),

Gene: Dexes_62 Start: 41896, Stop: 41630, Start Num: 122

Candidate Starts for Dexes_62:

(Start: 120 @41899 has 32 MA's), (Start: 122 @41896 has 105 MA's), (Start: 126 @41884 has 7 MA's), (Start: 170 @41863 has 2 MA's), (185, 41812), (189, 41797), (198, 41776), (211, 41746), (221, 41716), (251, 41641),

Gene: DickRichards_35 Start: 25717, Stop: 25947, Start Num: 168

Candidate Starts for DickRichards_35:

(Start: 168 @25717 has 57 MA's),

Gene: Didgeridoo_38 Start: 25851, Stop: 26093, Start Num: 168

Candidate Starts for Didgeridoo_38:

(Start: 168 @25851 has 57 MA's), (217, 25992),

Gene: Dignity_60 Start: 38849, Stop: 38577, Start Num: 125

Candidate Starts for Dignity_60:

(Start: 125 @38849 has 115 MA's), (Start: 161 @38840 has 7 MA's), (Start: 170 @38828 has 2 MA's), (Start: 172 @38822 has 9 MA's), (213, 38699),

Gene: Diminimus_40 Start: 32761, Stop: 33039, Start Num: 144

Candidate Starts for Diminimus_40:

(82, 32650), (Start: 144 @32761 has 11 MA's), (Start: 160 @32779 has 9 MA's), (185, 32842), (218, 32929), (221, 32938), (225, 32947),

Gene: Dinger_45 Start: 34431, Stop: 34135, Start Num: 155

Candidate Starts for Dinger_45:

(Start: 155 @34431 has 37 MA's), (Start: 170 @34413 has 2 MA's), (Start: 172 @34407 has 9 MA's), (211, 34290), (222, 34257), (225, 34251), (249, 34191), (262, 34143),

Gene: DinoDaryn_63 Start: 39006, Stop: 39230, Start Num: 163

Candidate Starts for DinoDaryn_63:

(Start: 163 @39006 has 11 MA's), (179, 39048), (195, 39093), (199, 39102), (219, 39153), (222, 39162), (231, 39183),

Gene: DirkDirk_30 Start: 27718, Stop: 27942, Start Num: 178

Candidate Starts for DirkDirk_30:

(Start: 166 @27673 has 192 MA's), (Start: 178 @27718 has 6 MA's), (221, 27826),

Gene: DirtyBubble_36 Start: 26244, Stop: 26477, Start Num: 168

Candidate Starts for DirtyBubble_36:

(85, 26115), (87, 26118), (97, 26136), (104, 26148), (106, 26151), (111, 26160), (Start: 160 @26235 has 9 MA's), (Start: 168 @26244 has 57 MA's), (224, 26394),

Gene: DismalFunk_69 Start: 46092, Stop: 46337, Start Num: 164

Candidate Starts for DismalFunk_69:

(112, 46035), (114, 46041), (Start: 164 @46092 has 163 MA's), (195, 46182), (211, 46218), (222, 46251),

Gene: DismalStressor_69 Start: 46092, Stop: 46337, Start Num: 164

Candidate Starts for DismalStressor_69:

(112, 46035), (114, 46041), (Start: 164 @46092 has 163 MA's), (195, 46182), (211, 46218), (222, 46251),

Gene: Dismas_34 Start: 25989, Stop: 26219, Start Num: 168

Candidate Starts for Dismas_34:

(21, 25569), (29, 25632), (30, 25650), (31, 25671), (34, 25680), (38, 25704), (42, 25722), (45, 25728), (51, 25755), (52, 25758), (58, 25779), (68, 25809), (72, 25821), (76, 25836), (81, 25851), (85, 25860), (92, 25869), (93, 25875), (99, 25884), (106, 25896), (110, 25902), (Start: 160 @25980 has 9 MA's), (Start: 168 @25989 has 57 MA's), (190, 26061), (195, 26076), (217, 26130), (240, 26181), (255, 26211),

Gene: DmpstrDiver_53 Start: 43660, Stop: 43905, Start Num: 167

Candidate Starts for DmpstrDiver_53:

(Start: 167 @43660 has 57 MA's), (185, 43723), (195, 43753), (196, 43756), (222, 43816), (224, 43819), (225, 43822),

Gene: DoctorDiddles_37 Start: 32297, Stop: 32542, Start Num: 166

Candidate Starts for DoctorDiddles_37:

(Start: 166 @32297 has 192 MA's), (Start: 184 @32354 has 3 MA's), (195, 32387), (198, 32393), (217, 32441), (219, 32447), (225, 32459),

Gene: Dole_72 Start: 45461, Stop: 45703, Start Num: 164

Candidate Starts for Dole_72:

(Start: 164 @45461 has 163 MA's), (195, 45551), (232, 45647), (242, 45671),

Gene: Doobus_35 Start: 25098, Stop: 25328, Start Num: 168

Candidate Starts for Doobus_35:

(Start: 168 @25098 has 57 MA's),

Gene: Doom_60 Start: 41667, Stop: 41392, Start Num: 122

Candidate Starts for Doom_60:

(Start: 120 @41670 has 32 MA's), (Start: 122 @41667 has 105 MA's), (Start: 126 @41655 has 7 MA's), (Start: 170 @41625 has 2 MA's), (185, 41574), (189, 41559), (198, 41538), (211, 41508), (221, 41478),

Gene: Douge_30 Start: 27519, Stop: 27737, Start Num: 178

Candidate Starts for Douge_30:

(Start: 166 @27474 has 192 MA's), (Start: 178 @27519 has 6 MA's), (195, 27567), (224, 27633),

Gene: Dove_51 Start: 43233, Stop: 43442, Start Num: 177

Candidate Starts for Dove_51:

(Start: 167 @43194 has 57 MA's), (Start: 177 @43233 has 1 MA's), (195, 43287), (196, 43290), (221, 43347), (232, 43383), (249, 43431),

Gene: DrDrey_38 Start: 33627, Stop: 33872, Start Num: 166

Candidate Starts for DrDrey_38:

(Start: 166 @33627 has 192 MA's), (Start: 184 @33684 has 3 MA's), (195, 33717), (198, 33723), (219, 33777), (225, 33789),

Gene: DrFeelGood_58 Start: 40034, Stop: 39777, Start Num: 129

Candidate Starts for DrFeelGood_58:

(Start: 129 @40034 has 11 MA's), (Start: 166 @40016 has 192 MA's), (Start: 170 @40010 has 2 MA's), (185, 39959), (189, 39944), (198, 39923), (211, 39893), (221, 39863),

Gene: DrHayes_67 Start: 44362, Stop: 44604, Start Num: 164

Candidate Starts for DrHayes_67:

(Start: 164 @44362 has 163 MA's), (195, 44452), (232, 44548), (242, 44572),

Gene: DrManhattan_32 Start: 23095, Stop: 23340, Start Num: 165

Candidate Starts for DrManhattan_32:

(24, 22726), (37, 22840), (48, 22876), (Start: 165 @23095 has 7 MA's),

Gene: DrSeegs_32 Start: 28422, Stop: 28688, Start Num: 166

Candidate Starts for DrSeegs_32:

(Start: 166 @28422 has 192 MA's), (Start: 178 @28467 has 6 MA's), (196, 28518), (225, 28584), (249, 28656), (259, 28677),

Gene: DrSierra_32 Start: 23583, Stop: 23849, Start Num: 145

Candidate Starts for DrSierra_32:

(37, 23325), (48, 23361), (94, 23499), (Start: 145 @23583 has 23 MA's), (222, 23766),

Gene: DreamTeam1_56 Start: 37922, Stop: 37650, Start Num: 125

Candidate Starts for DreamTeam1_56:

(Start: 125 @37922 has 115 MA's), (Start: 182 @37856 has 1 MA's), (194, 37820), (219, 37754), (224, 37742), (230, 37733),

Gene: Dreamboat_63 Start: 40328, Stop: 40062, Start Num: 122

Candidate Starts for Dreamboat_63:

(Start: 122 @40328 has 105 MA's), (Start: 126 @40316 has 7 MA's), (Start: 166 @40301 has 192 MA's), (Start: 170 @40295 has 2 MA's), (185, 40244), (189, 40229), (198, 40208), (211, 40178), (221, 40148), (251, 40073),

Gene: DudeLittle_57 Start: 38415, Stop: 38143, Start Num: 125

Candidate Starts for DudeLittle_57:

(Start: 125 @38415 has 115 MA's), (Start: 161 @38406 has 7 MA's), (Start: 170 @38394 has 2 MA's), (Start: 172 @38388 has 9 MA's), (213, 38265), (224, 38235),

Gene: Duke13_55 Start: 43999, Stop: 44247, Start Num: 167

Candidate Starts for Duke13_55:

(Start: 167 @43999 has 57 MA's), (214, 44131),

Gene: Dulcie_62 Start: 42668, Stop: 42411, Start Num: 129

Candidate Starts for Dulcie_62:

(Start: 129 @42668 has 11 MA's), (Start: 166 @42650 has 192 MA's), (Start: 170 @42644 has 2 MA's), (185, 42593), (189, 42578), (198, 42557), (211, 42527), (221, 42497),

Gene: Dulcita_40 Start: 32761, Stop: 33039, Start Num: 144

Candidate Starts for Dulcita_40:

(82, 32650), (Start: 144 @32761 has 11 MA's), (Start: 160 @32779 has 9 MA's), (185, 32842), (218, 32929), (221, 32938), (225, 32947),

Gene: Dumbo_37 Start: 32602, Stop: 32847, Start Num: 166

Candidate Starts for Dumbo_37:

(Start: 166 @32602 has 192 MA's), (Start: 184 @32659 has 3 MA's), (195, 32692), (198, 32698), (219, 32752), (225, 32764),

Gene: DuncansLeg_31 Start: 28758, Stop: 29024, Start Num: 166

Candidate Starts for DuncansLeg_31:

(Start: 166 @28758 has 192 MA's), (Start: 172 @28770 has 9 MA's), (Start: 178 @28803 has 6 MA's), (195, 28851),

Gene: DunneganBoMo_101 Start: 82929, Stop: 83189, Start Num: 166

Candidate Starts for DunneganBoMo_101:

(Start: 166 @82929 has 192 MA's), (231, 83118), (242, 83148), (243, 83151),

Gene: Duplicity_50 Start: 34914, Stop: 35162, Start Num: 153

Candidate Starts for Duplicity_50:

(19, 34500), (54, 34707), (64, 34740), (105, 34836), (Start: 153 @34914 has 31 MA's), (Start: 166 @34926 has 192 MA's), (Start: 170 @34932 has 2 MA's), (195, 35010), (221, 35076), (222, 35079),

Gene: Duplo_60 Start: 38306, Stop: 38034, Start Num: 125

Candidate Starts for Duplo_60:

(Start: 125 @38306 has 115 MA's), (Start: 161 @38297 has 7 MA's), (194, 38204), (224, 38126), (245, 38072),

Gene: Durfee_66 Start: 43819, Stop: 44061, Start Num: 164

Candidate Starts for Durfee_66:

(Start: 164 @43819 has 163 MA's), (195, 43909), (232, 44005), (242, 44029),

Gene: Dusk_36 Start: 32787, Stop: 33032, Start Num: 166

Candidate Starts for Dusk_36:

(Start: 166 @32787 has 192 MA's), (Start: 184 @32844 has 3 MA's), (195, 32877), (198, 32883), (217, 32931), (219, 32937), (225, 32949),

Gene: Dussy_62 Start: 41689, Stop: 41423, Start Num: 122

Candidate Starts for Dussy_62:

(Start: 120 @41692 has 32 MA's), (Start: 122 @41689 has 105 MA's), (Start: 126 @41677 has 7 MA's), (Start: 170 @41656 has 2 MA's), (185, 41605), (189, 41590), (198, 41569), (211, 41539), (221, 41509),

Gene: DustyDino_38 Start: 10938, Stop: 11192, Start Num: 167

Candidate Starts for DustyDino_38:

(Start: 148 @10923 has 1 MA's), (Start: 167 @10938 has 57 MA's), (179, 10983), (198, 11034), (204, 11052), (213, 11070),

Gene: Dusty_121 Start: 70537, Stop: 70830, Start Num: 147

Candidate Starts for Dusty_121:

(Start: 147 @70537 has 13 MA's), (Start: 176 @70585 has 2 MA's), (221, 70714),

Gene: Dynamix_64 Start: 40678, Stop: 40409, Start Num: 120

Candidate Starts for Dynamix_64:

(Start: 120 @40678 has 32 MA's), (Start: 122 @40675 has 105 MA's), (Start: 126 @40663 has 7 MA's), (Start: 170 @40642 has 2 MA's), (189, 40576), (198, 40555), (211, 40525), (221, 40495), (251, 40420),

Gene: DyoEdafos_31 Start: 27675, Stop: 27938, Start Num: 166

Candidate Starts for DyoEdafos_31:

(Start: 166 @27675 has 192 MA's), (Start: 178 @27720 has 6 MA's), (224, 27834),

Gene: EagleEye_60 Start: 38143, Stop: 37871, Start Num: 127

Candidate Starts for EagleEye_60:

(91, 38212), (Start: 127 @38143 has 9 MA's), (Start: 155 @38140 has 37 MA's), (Start: 161 @38134 has 7 MA's), (194, 38041), (211, 37999), (213, 37993), (224, 37963),

Gene: Easy2Say_39 Start: 34385, Stop: 34630, Start Num: 166

Candidate Starts for Easy2Say_39:

(Start: 166 @34385 has 192 MA's), (Start: 184 @34442 has 3 MA's), (195, 34475), (198, 34481), (219, 34535), (225, 34547),

Gene: Ebony_57 Start: 37357, Stop: 37085, Start Num: 125

Candidate Starts for Ebony_57:

(Start: 125 @37357 has 115 MA's), (Start: 161 @37348 has 7 MA's), (224, 37177),

Gene: Echild_58 Start: 37724, Stop: 37452, Start Num: 125

Candidate Starts for Echild_58:

(Start: 125 @37724 has 115 MA's), (Start: 161 @37715 has 7 MA's), (Start: 170 @37703 has 2 MA's), (Start: 172 @37697 has 9 MA's), (213, 37574),

Gene: Eden_34 Start: 24202, Stop: 24432, Start Num: 168

Candidate Starts for Eden_34:

(139, 24169), (Start: 168 @24202 has 57 MA's), (217, 24343), (219, 24349), (228, 24364), (240, 24394), (255, 24424),

Gene: Edtherson_61 Start: 41661, Stop: 41386, Start Num: 122

Candidate Starts for Edtherson_61:

(Start: 120 @41664 has 32 MA's), (Start: 122 @41661 has 105 MA's), (Start: 126 @41649 has 7 MA's), (Start: 170 @41619 has 2 MA's), (185, 41568), (189, 41553), (198, 41532), (211, 41502), (221, 41472),

Gene: Edugator_59 Start: 42504, Stop: 42752, Start Num: 164

Candidate Starts for Edugator_59:

(Start: 164 @42504 has 163 MA's), (189, 42579), (218, 42651),

Gene: Efra2_72 Start: 44206, Stop: 44448, Start Num: 164

Candidate Starts for Efra2_72:

(103, 44128), (Start: 164 @44206 has 163 MA's), (195, 44296), (232, 44392),

Gene: Eidsmoe_58 Start: 38289, Stop: 38017, Start Num: 125

Candidate Starts for Eidsmoe_58:

(Start: 125 @38289 has 115 MA's), (Start: 161 @38280 has 7 MA's), (Start: 182 @38223 has 1 MA's), (194, 38187), (209, 38148), (219, 38121), (224, 38109),

Gene: Ejimix_52 Start: 44918, Stop: 45163, Start Num: 167

Candidate Starts for Ejimix_52:

(Start: 167 @44918 has 57 MA's), (185, 44981), (195, 45011), (196, 45014), (222, 45074), (224, 45077), (225, 45080),

Gene: Ekdilam_63 Start: 44192, Stop: 44431, Start Num: 164

Candidate Starts for Ekdilam_63:

(Start: 164 @44192 has 163 MA's), (Start: 170 @44201 has 2 MA's), (195, 44282),

Gene: Elephantoon_57 Start: 37664, Stop: 37392, Start Num: 125

Candidate Starts for Elephantoon_57:

(Start: 125 @37664 has 115 MA's), (Start: 161 @37655 has 7 MA's), (Start: 182 @37598 has 1 MA's), (194, 37562), (209, 37523), (219, 37496), (224, 37484),

Gene: Elezi_34 Start: 26623, Stop: 26880, Start Num: 165

Candidate Starts for Elezi_34:

(37, 26386), (39, 26395), (Start: 165 @26623 has 7 MA's), (179, 26671), (224, 26788),

Gene: Elite2014_36 Start: 32342, Stop: 32587, Start Num: 166

Candidate Starts for Elite2014_36:

(Start: 166 @32342 has 192 MA's), (Start: 184 @32399 has 3 MA's), (195, 32432), (198, 32438), (219, 32492), (225, 32504),

Gene: Ellie_62 Start: 43425, Stop: 43667, Start Num: 164

Candidate Starts for Ellie_62:

(106, 43356), (Start: 164 @43425 has 163 MA's), (Start: 170 @43434 has 2 MA's), (185, 43485), (195, 43515), (232, 43611), (242, 43635),

Gene: Ellson_31 Start: 28745, Stop: 29011, Start Num: 166

Candidate Starts for Ellson_31:

(Start: 166 @28745 has 192 MA's), (Start: 172 @28757 has 9 MA's), (Start: 178 @28790 has 6 MA's), (195, 28838),

Gene: Elph10_38 Start: 32605, Stop: 32850, Start Num: 166

Candidate Starts for Elph10_38:

(Start: 166 @32605 has 192 MA's), (Start: 184 @32662 has 3 MA's), (195, 32695), (198, 32701), (219, 32755), (225, 32767),

Gene: Elva_38 Start: 26309, Stop: 26539, Start Num: 168

Candidate Starts for Elva_38:

(84, 26177), (85, 26180), (93, 26195), (102, 26210), (104, 26213), (111, 26225), (Start: 160 @26300 has 9 MA's), (Start: 168 @26309 has 57 MA's),

Gene: Emerson_68 Start: 43939, Stop: 44181, Start Num: 164

Candidate Starts for Emerson_68:

(Start: 164 @43939 has 163 MA's), (195, 44029), (232, 44125), (242, 44149),

Gene: EmiRose_45 Start: 36642, Stop: 36902, Start Num: 158

Candidate Starts for EmiRose_45:

(Start: 158 @36642 has 7 MA's), (201, 36756), (204, 36765), (225, 36816), (229, 36819),

Gene: Emmina_38 Start: 32963, Stop: 33208, Start Num: 166

Candidate Starts for Emmina_38:

(Start: 166 @32963 has 192 MA's), (Start: 184 @33020 has 3 MA's), (195, 33053), (198, 33059), (219, 33113), (225, 33125),

Gene: Emotion_38 Start: 26311, Stop: 26598, Start Num: 126

Candidate Starts for Emotion_38:

(98, 26266), (Start: 126 @26311 has 7 MA's),

Gene: EmyBug_57 Start: 38291, Stop: 38019, Start Num: 125

Candidate Starts for EmyBug_57:

(Start: 125 @38291 has 115 MA's), (Start: 161 @38282 has 7 MA's), (Start: 182 @38225 has 1 MA's), (194, 38189), (209, 38150), (219, 38123), (224, 38111),

Gene: Enceladus_30 Start: 27674, Stop: 27943, Start Num: 166
Candidate Starts for Enceladus_30:
(Start: 166 @27674 has 192 MA's), (Start: 178 @27719 has 6 MA's), (221, 27827),

Gene: Engineer_127 Start: 71970, Stop: 72260, Start Num: 149
Candidate Starts for Engineer_127:
(88, 71862), (96, 71877), (Start: 121 @71922 has 1 MA's), (Start: 149 @71970 has 7 MA's), (Start: 176 @72015 has 2 MA's), (221, 72144),

Gene: EniyanLRS_50 Start: 39059, Stop: 39307, Start Num: 166
Candidate Starts for EniyanLRS_50:
(Start: 166 @39059 has 192 MA's), (191, 39140), (210, 39188), (222, 39221), (224, 39224), (225, 39227), (239, 39260), (254, 39296),

Gene: Enkosi_57 Start: 43554, Stop: 43799, Start Num: 164
Candidate Starts for Enkosi_57:
(109, 43482), (Start: 164 @43554 has 163 MA's), (201, 43659), (218, 43701), (232, 43737),

Gene: Epsocamisio_61 Start: 37202, Stop: 36933, Start Num: 154
Candidate Starts for Epsocamisio_61:
(14, 37646), (17, 37622), (25, 37544), (Start: 154 @37202 has 21 MA's), (224, 37025),

Gene: Eraser_34 Start: 26614, Stop: 26871, Start Num: 165
Candidate Starts for Eraser_34:
(37, 26377), (39, 26386), (Start: 165 @26614 has 7 MA's), (179, 26662), (224, 26779),

Gene: Erenyeager_35 Start: 10332, Stop: 10586, Start Num: 167
Candidate Starts for Erenyeager_35:
(Start: 148 @10317 has 1 MA's), (Start: 167 @10332 has 57 MA's), (179, 10377), (198, 10428), (204, 10446), (213, 10464),

Gene: EricMillard_52 Start: 44419, Stop: 44664, Start Num: 167
Candidate Starts for EricMillard_52:
(Start: 167 @44419 has 57 MA's), (185, 44482), (195, 44512), (196, 44515), (222, 44575), (224, 44578), (225, 44581),

Gene: Erik_46 Start: 34230, Stop: 33934, Start Num: 155
Candidate Starts for Erik_46:
(Start: 155 @34230 has 37 MA's), (Start: 170 @34212 has 2 MA's), (Start: 172 @34206 has 9 MA's), (211, 34089), (222, 34056), (225, 34050), (249, 33990), (262, 33942),

Gene: Espica_46 Start: 34231, Stop: 33935, Start Num: 155
Candidate Starts for Espica_46:
(Start: 155 @34231 has 37 MA's), (Start: 170 @34213 has 2 MA's), (Start: 172 @34207 has 9 MA's), (211, 34090), (222, 34057), (225, 34051), (249, 33991), (262, 33943),

Gene: Espresso_59 Start: 41111, Stop: 40833, Start Num: 120
Candidate Starts for Espresso_59:
(Start: 120 @41111 has 32 MA's), (Start: 122 @41108 has 105 MA's), (Start: 126 @41096 has 7 MA's), (Start: 170 @41066 has 2 MA's), (185, 41015), (189, 41000), (198, 40979), (211, 40949), (221, 40919),

Gene: Estes_45 Start: 34058, Stop: 34309, Start Num: 158
Candidate Starts for Estes_45:
(Start: 158 @34058 has 7 MA's), (195, 34151), (216, 34202), (217, 34205), (245, 34274),

Gene: Et2Brutus_56 Start: 37320, Stop: 37048, Start Num: 125
Candidate Starts for Et2Brutus_56:
(Start: 125 @37320 has 115 MA's), (Start: 161 @37311 has 7 MA's), (224, 37140),

Gene: Eula_37 Start: 25477, Stop: 25719, Start Num: 168
Candidate Starts for Eula_37:
(Start: 168 @25477 has 57 MA's), (255, 25711),

Gene: Euphoria_60 Start: 40818, Stop: 40552, Start Num: 122
Candidate Starts for Euphoria_60:
(Start: 120 @40821 has 32 MA's), (Start: 122 @40818 has 105 MA's), (Start: 126 @40806 has 7 MA's), (Start: 170 @40785 has 2 MA's), (185, 40734), (189, 40719), (211, 40668), (239, 40593), (251, 40563),

Gene: Eureka_38 Start: 33647, Stop: 33895, Start Num: 164
Candidate Starts for Eureka_38:
(118, 33578), (Start: 119 @33581 has 6 MA's), (133, 33608), (Start: 164 @33647 has 163 MA's), (Start: 184 @33707 has 3 MA's), (195, 33740), (198, 33746), (219, 33800), (225, 33812),

Gene: EvilGenius_60 Start: 40027, Stop: 39755, Start Num: 125
Candidate Starts for EvilGenius_60:
(Start: 125 @40027 has 115 MA's), (Start: 161 @40018 has 7 MA's), (Start: 170 @40006 has 2 MA's), (Start: 172 @40000 has 9 MA's), (213, 39877),

Gene: Exile_31 Start: 26521, Stop: 26784, Start Num: 167
Candidate Starts for Exile_31:
(Start: 167 @26521 has 57 MA's), (238, 26719), (249, 26752),

Gene: ExplosioNervosa_58 Start: 38348, Stop: 38085, Start Num: 161
Candidate Starts for ExplosioNervosa_58:
(Start: 125 @38357 has 115 MA's), (Start: 161 @38348 has 7 MA's), (Start: 182 @38291 has 1 MA's), (194, 38255), (209, 38216), (219, 38189), (224, 38177),

Gene: Eyeball_64 Start: 42166, Stop: 41900, Start Num: 122
Candidate Starts for Eyeball_64:
(Start: 120 @42169 has 32 MA's), (Start: 122 @42166 has 105 MA's), (Start: 126 @42154 has 7 MA's), (Start: 170 @42133 has 2 MA's), (185, 42082), (189, 42067), (198, 42046), (205, 42025), (211, 42016), (221, 41986), (251, 41911),

Gene: Faith1_32 Start: 28422, Stop: 28688, Start Num: 166
Candidate Starts for Faith1_32:
(Start: 166 @28422 has 192 MA's), (Start: 178 @28467 has 6 MA's), (196, 28518), (225, 28584), (249, 28656), (259, 28677),

Gene: Fajezeel_63 Start: 40885, Stop: 40616, Start Num: 120
Candidate Starts for Fajezeel_63:
(Start: 120 @40885 has 32 MA's), (Start: 122 @40882 has 105 MA's), (Start: 126 @40870 has 7 MA's), (Start: 170 @40849 has 2 MA's), (185, 40798), (189, 40783), (198, 40762), (211, 40732), (221, 40702), (251, 40627),

Gene: Fameo_58 Start: 38774, Stop: 38502, Start Num: 125

Candidate Starts for Fameo_58:

(Start: 125 @38774 has 115 MA's), (Start: 161 @38765 has 7 MA's), (Start: 170 @38753 has 2 MA's), (Start: 172 @38747 has 9 MA's), (213, 38624), (224, 38594),

Gene: Fascinus_56 Start: 40671, Stop: 40402, Start Num: 120

Candidate Starts for Fascinus_56:

(Start: 120 @40671 has 32 MA's), (Start: 122 @40668 has 105 MA's), (Start: 126 @40656 has 7 MA's), (Start: 170 @40635 has 2 MA's), (185, 40584), (189, 40569), (198, 40548), (211, 40518), (221, 40488),

Gene: Fayely_58 Start: 38258, Stop: 37986, Start Num: 125

Candidate Starts for Fayely_58:

(Start: 125 @38258 has 115 MA's), (Start: 161 @38249 has 7 MA's), (Start: 182 @38192 has 1 MA's), (194, 38156), (209, 38117), (219, 38090), (224, 38078),

Gene: Fefferhead_64 Start: 43334, Stop: 43576, Start Num: 164

Candidate Starts for Fefferhead_64:

(106, 43265), (Start: 164 @43334 has 163 MA's), (Start: 170 @43343 has 2 MA's), (185, 43394), (195, 43424), (232, 43520),

Gene: Fenn_64 Start: 42653, Stop: 42378, Start Num: 122

Candidate Starts for Fenn_64:

(Start: 122 @42653 has 105 MA's), (Start: 126 @42641 has 7 MA's), (Start: 170 @42611 has 2 MA's), (185, 42560), (189, 42545), (198, 42524), (205, 42503), (211, 42494), (221, 42464), (251, 42389),

Gene: Feyre_63 Start: 44492, Stop: 44740, Start Num: 164

Candidate Starts for Feyre_63:

(Start: 164 @44492 has 163 MA's), (189, 44567), (218, 44639), (229, 44663),

Gene: Fibonacci_57 Start: 37326, Stop: 37054, Start Num: 125

Candidate Starts for Fibonacci_57:

(Start: 125 @37326 has 115 MA's), (Start: 161 @37317 has 7 MA's), (224, 37146),

Gene: Filch_38 Start: 32893, Stop: 33138, Start Num: 166

Candidate Starts for Filch_38:

(Start: 166 @32893 has 192 MA's), (Start: 184 @32950 has 3 MA's), (195, 32983), (198, 32989), (219, 33043), (225, 33055),

Gene: Finalfrontier_36 Start: 26101, Stop: 26331, Start Num: 168

Candidate Starts for Finalfrontier_36:

(Start: 168 @26101 has 57 MA's),

Gene: Findley_69 Start: 46086, Stop: 46331, Start Num: 164

Candidate Starts for Findley_69:

(109, 46023), (Start: 164 @46086 has 163 MA's), (195, 46176), (222, 46245),

Gene: Finemlucis_32 Start: 28698, Stop: 28964, Start Num: 166

Candidate Starts for Finemlucis_32:

(Start: 166 @28698 has 192 MA's), (Start: 178 @28743 has 6 MA's), (196, 28794), (225, 28860), (249, 28932), (259, 28953),

Gene: Finnry_31 Start: 28788, Stop: 29054, Start Num: 166
Candidate Starts for Finnry_31:
(Start: 166 @28788 has 192 MA's), (Start: 172 @28800 has 9 MA's), (Start: 178 @28833 has 6 MA's),

Gene: FireRed_37 Start: 33163, Stop: 33408, Start Num: 166
Candidate Starts for FireRed_37:
(Start: 166 @33163 has 192 MA's), (Start: 184 @33220 has 3 MA's), (195, 33253), (198, 33259), (219, 33313), (225, 33325),

Gene: FiringLine_58 Start: 38424, Stop: 38152, Start Num: 125
Candidate Starts for FiringLine_58:
(Start: 125 @38424 has 115 MA's), (Start: 161 @38415 has 7 MA's), (Start: 170 @38403 has 2 MA's), (Start: 172 @38397 has 9 MA's), (213, 38274),

Gene: FlameThrower_34 Start: 25814, Stop: 26044, Start Num: 168
Candidate Starts for FlameThrower_34:
(85, 25685), (92, 25694), (93, 25700), (99, 25709), (106, 25721), (110, 25727), (116, 25739), (Start: 160 @25805 has 9 MA's), (Start: 168 @25814 has 57 MA's), (195, 25901), (207, 25928), (217, 25955), (240, 26006), (255, 26036),

Gene: Flaverint_58 Start: 37784, Stop: 37512, Start Num: 125
Candidate Starts for Flaverint_58:
(Start: 125 @37784 has 115 MA's), (Start: 161 @37775 has 7 MA's), (224, 37604),

Gene: Floop_43 Start: 27647, Stop: 27949, Start Num: 121
Candidate Starts for Floop_43:
(Start: 121 @27647 has 1 MA's), (131, 27665), (183, 27767), (188, 27785), (200, 27818), (244, 27932),

Gene: Flypotenuse_35 Start: 32731, Stop: 32976, Start Num: 166
Candidate Starts for Flypotenuse_35:
(Start: 166 @32731 has 192 MA's), (Start: 184 @32788 has 3 MA's), (195, 32821), (198, 32827), (217, 32875), (219, 32881), (225, 32893),

Gene: Footloose_59 Start: 33811, Stop: 34044, Start Num: 126
Candidate Starts for Footloose_59:
(Start: 126 @33811 has 7 MA's), (140, 33826), (Start: 178 @33895 has 6 MA's), (192, 33931), (197, 33940), (214, 33967),

Gene: Fork_31 Start: 9648, Stop: 9902, Start Num: 167
Candidate Starts for Fork_31:
(Start: 148 @9633 has 1 MA's), (Start: 167 @9648 has 57 MA's), (179, 9693), (198, 9744), (204, 9762), (213, 9780),

Gene: Francis47_60 Start: 41735, Stop: 41460, Start Num: 122
Candidate Starts for Francis47_60:
(Start: 120 @41738 has 32 MA's), (Start: 122 @41735 has 105 MA's), (Start: 126 @41723 has 7 MA's), (Start: 170 @41693 has 2 MA's), (185, 41642), (189, 41627), (198, 41606), (211, 41576), (221, 41546),

Gene: Franklin22_35 Start: 24188, Stop: 24418, Start Num: 168
Candidate Starts for Franklin22_35:

(12, 23681), (13, 23687), (18, 23756), (23, 23801), (36, 23906), (49, 23963), (69, 24020), (103, 24095), (Start: 108 @24104 has 1 MA's), (111, 24107), (Start: 168 @24188 has 57 MA's), (190, 24260), (217, 24329), (240, 24380), (255, 24410),

Gene: Froghopper_60 Start: 40239, Stop: 39964, Start Num: 122

Candidate Starts for Froghopper_60:

(Start: 120 @40242 has 32 MA's), (Start: 122 @40239 has 105 MA's), (Start: 126 @40227 has 7 MA's), (Start: 170 @40197 has 2 MA's), (185, 40146), (189, 40131), (198, 40110), (211, 40080), (221, 40050), (251, 39975),

Gene: Fulbright_49 Start: 33994, Stop: 34242, Start Num: 153

Candidate Starts for Fulbright_49:

(19, 33580), (54, 33787), (64, 33820), (105, 33916), (Start: 153 @33994 has 31 MA's), (Start: 166 @34006 has 192 MA's), (Start: 170 @34012 has 2 MA's), (195, 34090), (221, 34156), (222, 34159),

Gene: Fushigi_58 Start: 39205, Stop: 38936, Start Num: 120

Candidate Starts for Fushigi_58:

(Start: 120 @39205 has 32 MA's), (Start: 122 @39202 has 105 MA's), (Start: 126 @39190 has 7 MA's), (Start: 170 @39169 has 2 MA's), (185, 39118), (189, 39103), (198, 39082), (211, 39052), (221, 39022),

Gene: GMA4_22 Start: 21398, Stop: 21685, Start Num: 165

Candidate Starts for GMA4_22:

(130, 21356), (Start: 165 @21398 has 7 MA's), (Start: 172 @21413 has 9 MA's), (180, 21449), (Start: 184 @21458 has 3 MA's), (219, 21545), (246, 21623), (258, 21647), (260, 21659), (261, 21674),

Gene: Gabriela_32 Start: 28684, Stop: 28950, Start Num: 166

Candidate Starts for Gabriela_32:

(Start: 166 @28684 has 192 MA's), (Start: 178 @28729 has 6 MA's), (196, 28780), (225, 28846), (249, 28918), (259, 28939),

Gene: Gack_33 Start: 23939, Stop: 24169, Start Num: 168

Candidate Starts for Gack_33:

(4, 23093), (8, 23219), (9, 23249), (18, 23507), (23, 23552), (36, 23657), (49, 23714), (69, 23771), (Start: 108 @23855 has 1 MA's), (111, 23858), (Start: 160 @23930 has 9 MA's), (Start: 168 @23939 has 57 MA's), (190, 24011), (207, 24053), (240, 24131),

Gene: Gage_39 Start: 33125, Stop: 33370, Start Num: 166

Candidate Starts for Gage_39:

(Start: 166 @33125 has 192 MA's), (Start: 184 @33182 has 3 MA's), (195, 33215), (198, 33221), (219, 33275), (225, 33287),

Gene: GageAP_63 Start: 41646, Stop: 41380, Start Num: 122

Candidate Starts for GageAP_63:

(Start: 120 @41649 has 32 MA's), (Start: 122 @41646 has 105 MA's), (Start: 126 @41634 has 7 MA's), (Start: 170 @41613 has 2 MA's), (185, 41562), (189, 41547), (198, 41526), (211, 41496), (221, 41466), (251, 41391),

Gene: Gandalf20_64 Start: 42393, Stop: 42118, Start Num: 122

Candidate Starts for Gandalf20_64:

(Start: 120 @42396 has 32 MA's), (Start: 122 @42393 has 105 MA's), (Start: 126 @42381 has 7 MA's), (Start: 170 @42351 has 2 MA's), (185, 42300), (189, 42285), (198, 42264), (211, 42234), (221, 42204),

Gene: Ganymede_66 Start: 43845, Stop: 44087, Start Num: 164
Candidate Starts for Ganymede_66:
(Start: 164 @43845 has 163 MA's), (195, 43935), (232, 44031), (242, 44055),

Gene: Gardann_32 Start: 28424, Stop: 28690, Start Num: 166
Candidate Starts for Gardann_32:
(Start: 166 @28424 has 192 MA's), (Start: 178 @28469 has 6 MA's), (196, 28520), (225, 28586), (249, 28658), (259, 28679),

Gene: GardenSalsa_44 Start: 33882, Stop: 34133, Start Num: 158
Candidate Starts for GardenSalsa_44:
(Start: 158 @33882 has 7 MA's), (216, 34026), (217, 34029), (222, 34044), (245, 34098),

Gene: GardenState_42 Start: 27075, Stop: 27341, Start Num: 123
Candidate Starts for GardenState_42:
(Start: 123 @27075 has 10 MA's),

Gene: Gator_35 Start: 32743, Stop: 32988, Start Num: 166
Candidate Starts for Gator_35:
(Start: 166 @32743 has 192 MA's), (Start: 184 @32800 has 3 MA's), (195, 32833), (198, 32839), (219, 32893), (225, 32905),

Gene: Gemini_40 Start: 33642, Stop: 33887, Start Num: 166
Candidate Starts for Gemini_40:
(Start: 166 @33642 has 192 MA's), (Start: 184 @33699 has 3 MA's), (195, 33732), (198, 33738), (219, 33792), (225, 33804),

Gene: GenevaB15_44 Start: 33930, Stop: 34181, Start Num: 158
Candidate Starts for GenevaB15_44:
(Start: 158 @33930 has 7 MA's), (195, 34023), (216, 34074), (217, 34077), (222, 34092), (245, 34146),

Gene: Gengar_60 Start: 42478, Stop: 42726, Start Num: 164
Candidate Starts for Gengar_60:
(Start: 164 @42478 has 163 MA's), (186, 42541),

Gene: Georgie2_59 Start: 38469, Stop: 38197, Start Num: 125
Candidate Starts for Georgie2_59:
(Start: 125 @38469 has 115 MA's), (Start: 161 @38460 has 7 MA's), (Start: 170 @38448 has 2 MA's), (Start: 172 @38442 has 9 MA's),

Gene: Geraldini_69 Start: 44501, Stop: 44743, Start Num: 164
Candidate Starts for Geraldini_69:
(Start: 164 @44501 has 163 MA's), (195, 44591), (232, 44687), (242, 44711),

Gene: Gex_50 Start: 34921, Stop: 35169, Start Num: 153
Candidate Starts for Gex_50:
(19, 34507), (54, 34714), (64, 34747), (105, 34843), (Start: 153 @34921 has 31 MA's), (Start: 166 @34933 has 192 MA's), (Start: 170 @34939 has 2 MA's), (195, 35017), (221, 35083), (222, 35086),

Gene: Gilberta_58 Start: 37777, Stop: 37505, Start Num: 125
Candidate Starts for Gilberta_58:

(Start: 125 @37777 has 115 MA's), (Start: 161 @37768 has 7 MA's), (224, 37597),

Gene: Glaske16_40 Start: 32761, Stop: 33039, Start Num: 144

Candidate Starts for Glaske16_40:

(82, 32650), (Start: 144 @32761 has 11 MA's), (Start: 160 @32779 has 9 MA's), (185, 32842), (218, 32929), (221, 32938), (225, 32947),

Gene: Glexan_35 Start: 32731, Stop: 32976, Start Num: 166

Candidate Starts for Glexan_35:

(Start: 166 @32731 has 192 MA's), (Start: 184 @32788 has 3 MA's), (195, 32821), (198, 32827), (217, 32875), (219, 32881), (225, 32893),

Gene: Goib_64 Start: 40122, Stop: 40346, Start Num: 163

Candidate Starts for Goib_64:

(Start: 163 @40122 has 11 MA's), (179, 40164), (195, 40209), (199, 40218), (219, 40269), (222, 40278),

Gene: Goku_38 Start: 33376, Stop: 33624, Start Num: 164

Candidate Starts for Goku_38:

(118, 33307), (Start: 119 @33310 has 6 MA's), (133, 33337), (Start: 164 @33376 has 163 MA's), (Start: 184 @33436 has 3 MA's), (195, 33469), (198, 33475), (219, 33529), (225, 33541),

Gene: GoldenSpark_39 Start: 33125, Stop: 33370, Start Num: 166

Candidate Starts for GoldenSpark_39:

(Start: 166 @33125 has 192 MA's), (Start: 184 @33182 has 3 MA's), (195, 33215), (198, 33221), (219, 33275), (225, 33287),

Gene: Goldilocks_38 Start: 32545, Stop: 32790, Start Num: 166

Candidate Starts for Goldilocks_38:

(Start: 166 @32545 has 192 MA's), (Start: 184 @32602 has 3 MA's), (195, 32635), (198, 32641), (219, 32695), (225, 32707),

Gene: Gollum_46 Start: 34296, Stop: 34000, Start Num: 155

Candidate Starts for Gollum_46:

(Start: 155 @34296 has 37 MA's), (Start: 170 @34278 has 2 MA's), (Start: 172 @34272 has 9 MA's), (211, 34155), (222, 34122), (225, 34116), (249, 34056), (262, 34008),

Gene: Gompeii16_61 Start: 42810, Stop: 42544, Start Num: 122

Candidate Starts for Gompeii16_61:

(Start: 120 @42813 has 32 MA's), (Start: 122 @42810 has 105 MA's), (Start: 126 @42798 has 7 MA's), (Start: 170 @42777 has 2 MA's), (185, 42726), (189, 42711), (198, 42690), (211, 42660), (221, 42630),

Gene: Gonephishing_53 Start: 42117, Stop: 42329, Start Num: 177

Candidate Starts for Gonephishing_53:

(Start: 172 @42090 has 9 MA's), (Start: 177 @42117 has 1 MA's), (195, 42171), (196, 42174), (221, 42231), (232, 42267),

Gene: GooberAzure_39 Start: 33125, Stop: 33370, Start Num: 166

Candidate Starts for GooberAzure_39:

(Start: 166 @33125 has 192 MA's), (Start: 184 @33182 has 3 MA's), (195, 33215), (198, 33221), (219, 33275), (225, 33287),

Gene: Graduation_66 Start: 42500, Stop: 42234, Start Num: 122

Candidate Starts for Graduation_66:

(Start: 120 @42503 has 32 MA's), (Start: 122 @42500 has 105 MA's), (Start: 126 @42488 has 7 MA's), (Start: 170 @42467 has 2 MA's), (185, 42416), (189, 42401), (198, 42380), (211, 42350), (221, 42320), (251, 42245),

Gene: GrecoEtereo_61 Start: 40288, Stop: 40022, Start Num: 122

Candidate Starts for GrecoEtereo_61:

(Start: 120 @40291 has 32 MA's), (Start: 122 @40288 has 105 MA's), (Start: 126 @40276 has 7 MA's), (Start: 170 @40255 has 2 MA's), (185, 40204), (189, 40189), (198, 40168), (211, 40138), (221, 40108),

Gene: Greely_81 Start: 31000, Stop: 31251, Start Num: 166

Candidate Starts for Greely_81:

(Start: 166 @31000 has 192 MA's), (179, 31045), (209, 31126),

Gene: Greg_63 Start: 40885, Stop: 40616, Start Num: 120

Candidate Starts for Greg_63:

(Start: 120 @40885 has 32 MA's), (Start: 122 @40882 has 105 MA's), (Start: 126 @40870 has 7 MA's), (Start: 170 @40849 has 2 MA's), (185, 40798), (189, 40783), (198, 40762), (211, 40732), (221, 40702), (251, 40627),

Gene: Gretchen_42 Start: 28431, Stop: 28688, Start Num: 123

Candidate Starts for Gretchen_42:

(Start: 123 @28431 has 10 MA's), (Start: 170 @28485 has 2 MA's), (217, 28611), (222, 28623), (227, 28635),

Gene: Gspu1_55 Start: 37586, Stop: 37813, Start Num: 166

Candidate Starts for Gspu1_55:

(Start: 166 @37586 has 192 MA's), (179, 37628), (194, 37670), (221, 37739), (228, 37748), (245, 37796),

Gene: Guanica15_71 Start: 43944, Stop: 44186, Start Num: 164

Candidate Starts for Guanica15_71:

(103, 43866), (Start: 164 @43944 has 163 MA's), (232, 44130),

Gene: Guillsminger_61 Start: 42432, Stop: 42680, Start Num: 164

Candidate Starts for Guillsminger_61:

(Start: 164 @42432 has 163 MA's), (189, 42507), (218, 42579),

Gene: GuuelaD_32 Start: 28456, Stop: 28722, Start Num: 166

Candidate Starts for GuuelaD_32:

(Start: 166 @28456 has 192 MA's), (Start: 178 @28501 has 6 MA's), (196, 28552), (225, 28618), (249, 28690), (259, 28711),

Gene: Gwendoluna_65 Start: 43011, Stop: 42778, Start Num: 170

Candidate Starts for Gwendoluna_65:

(Start: 119 @43044 has 6 MA's), (Start: 126 @43032 has 7 MA's), (Start: 170 @43011 has 2 MA's), (185, 42960), (189, 42945), (198, 42924), (205, 42903), (211, 42894), (221, 42864),

Gene: Gyzlar_57 Start: 38964, Stop: 38710, Start Num: 126

Candidate Starts for Gyzlar_57:

(Start: 119 @38976 has 6 MA's), (Start: 126 @38964 has 7 MA's), (Start: 170 @38943 has 2 MA's), (185, 38892), (189, 38877), (198, 38856), (211, 38826), (221, 38796), (251, 38721),

Gene: Hafay_32 Start: 28500, Stop: 28721, Start Num: 178

Candidate Starts for Hafay_32:

(Start: 166 @28455 has 192 MA's), (Start: 178 @28500 has 6 MA's), (196, 28551), (225, 28617), (249, 28689), (259, 28710),

Gene: Halena_30 Start: 27701, Stop: 27970, Start Num: 166

Candidate Starts for Halena_30:

(Start: 166 @27701 has 192 MA's), (Start: 178 @27746 has 6 MA's), (221, 27854),

Gene: Halley_52 Start: 44132, Stop: 44377, Start Num: 167

Candidate Starts for Halley_52:

(Start: 167 @44132 has 57 MA's), (185, 44195), (195, 44225), (196, 44228), (222, 44288), (224, 44291), (225, 44294),

Gene: Halsey_39 Start: 22590, Stop: 22856, Start Num: 123

Candidate Starts for Halsey_39:

(Start: 123 @22590 has 10 MA's), (132, 22605), (175, 22668), (183, 22686), (225, 22788),

Gene: Hami1_54 Start: 36948, Stop: 36679, Start Num: 120

Candidate Starts for Hami1_54:

(Start: 120 @36948 has 32 MA's), (Start: 122 @36945 has 105 MA's), (Start: 126 @36933 has 7 MA's), (Start: 170 @36912 has 2 MA's), (185, 36861), (189, 36846), (198, 36825), (211, 36795), (221, 36765),

Gene: Hammy_66 Start: 43955, Stop: 44194, Start Num: 164

Candidate Starts for Hammy_66:

(Start: 164 @43955 has 163 MA's), (195, 44045), (218, 44105),

Gene: HanKaySha_38 Start: 32877, Stop: 33122, Start Num: 166

Candidate Starts for HanKaySha_38:

(Start: 166 @32877 has 192 MA's), (Start: 184 @32934 has 3 MA's), (195, 32967), (198, 32973), (219, 33027), (225, 33039),

Gene: Hannaconda_48 Start: 38620, Stop: 38868, Start Num: 167

Candidate Starts for Hannaconda_48:

(Start: 167 @38620 has 57 MA's), (214, 38752),

Gene: Harella_36 Start: 33247, Stop: 33492, Start Num: 166

Candidate Starts for Harella_36:

(Start: 166 @33247 has 192 MA's), (Start: 184 @33304 has 3 MA's), (195, 33337), (198, 33343), (217, 33391), (219, 33397), (225, 33409),

Gene: Harlequin_45 Start: 34082, Stop: 33786, Start Num: 155

Candidate Starts for Harlequin_45:

(Start: 155 @34082 has 37 MA's), (Start: 170 @34064 has 2 MA's), (Start: 172 @34058 has 9 MA's), (211, 33941), (222, 33908), (225, 33902), (249, 33842), (262, 33794),

Gene: HarryOW_60 Start: 40966, Stop: 40688, Start Num: 120

Candidate Starts for HarryOW_60:

(Start: 120 @40966 has 32 MA's), (Start: 122 @40963 has 105 MA's), (Start: 126 @40951 has 7 MA's), (Start: 170 @40921 has 2 MA's), (185, 40870), (189, 40855), (198, 40834), (211, 40804), (221, 40774),

Gene: HedwigODU_66 Start: 43467, Stop: 43709, Start Num: 164

Candidate Starts for HedwigODU_66:

(Start: 164 @43467 has 163 MA's), (195, 43557), (232, 43653), (242, 43677),

Gene: Heffalump_57 Start: 39242, Stop: 38970, Start Num: 125

Candidate Starts for Heffalump_57:

(Start: 125 @39242 has 115 MA's), (Start: 161 @39233 has 7 MA's), (Start: 170 @39221 has 2 MA's), (Start: 172 @39215 has 9 MA's), (213, 39092), (224, 39062),

Gene: Heftyboy_61 Start: 42799, Stop: 43047, Start Num: 164

Candidate Starts for Heftyboy_61:

(Start: 164 @42799 has 163 MA's), (189, 42874), (218, 42946), (229, 42970),

Gene: Henry_38 Start: 33135, Stop: 33380, Start Num: 166

Candidate Starts for Henry_38:

(Start: 166 @33135 has 192 MA's), (Start: 184 @33192 has 3 MA's), (195, 33225), (198, 33231), (217, 33279), (219, 33285), (225, 33297),

Gene: Herbertwm_56 Start: 38206, Stop: 37934, Start Num: 125

Candidate Starts for Herbertwm_56:

(44, 38407), (Start: 125 @38206 has 115 MA's), (Start: 161 @38197 has 7 MA's), (Start: 170 @38185 has 2 MA's), (179, 38146), (180, 38143), (195, 38101), (198, 38095), (213, 38056), (224, 38026),

Gene: Hermia_60 Start: 40961, Stop: 40695, Start Num: 122

Candidate Starts for Hermia_60:

(Start: 120 @40964 has 32 MA's), (Start: 122 @40961 has 105 MA's), (Start: 126 @40949 has 7 MA's), (Start: 170 @40928 has 2 MA's), (185, 40877), (189, 40862), (198, 40841), (211, 40811), (221, 40781),

Gene: Highbury_38 Start: 32793, Stop: 33038, Start Num: 166

Candidate Starts for Highbury_38:

(Start: 166 @32793 has 192 MA's), (Start: 184 @32850 has 3 MA's), (195, 32883), (198, 32889), (219, 32943), (225, 32955),

Gene: Hiro_46 Start: 34558, Stop: 34262, Start Num: 155

Candidate Starts for Hiro_46:

(Start: 155 @34558 has 37 MA's), (Start: 170 @34540 has 2 MA's), (Start: 172 @34534 has 9 MA's), (185, 34486), (211, 34417), (222, 34384), (225, 34378), (249, 34318), (262, 34270),

Gene: HokkenD_45 Start: 42401, Stop: 42646, Start Num: 167

Candidate Starts for HokkenD_45:

(Start: 167 @42401 has 57 MA's), (185, 42464), (195, 42494), (196, 42497), (222, 42557), (224, 42560), (225, 42563),

Gene: Holt_38 Start: 32412, Stop: 32657, Start Num: 166

Candidate Starts for Holt_38:

(Start: 166 @32412 has 192 MA's), (Start: 184 @32469 has 3 MA's), (195, 32502), (198, 32508), (217, 32556), (219, 32562), (225, 32574),

Gene: Homines_54 Start: 37291, Stop: 37025, Start Num: 122

Candidate Starts for Homines_54:

(Start: 120 @37294 has 32 MA's), (Start: 122 @37291 has 105 MA's), (Start: 126 @37279 has 7 MA's), (Start: 170 @37258 has 2 MA's), (185, 37207), (189, 37192), (198, 37171), (211, 37141), (221, 37111), (251, 37036),

Gene: Homura_66 Start: 43622, Stop: 43864, Start Num: 164

Candidate Starts for Homura_66:

(Start: 164 @43622 has 163 MA's), (195, 43712), (232, 43808), (242, 43832),

Gene: Honk_39 Start: 24394, Stop: 24654, Start Num: 123

Candidate Starts for Honk_39:

(Start: 123 @24394 has 10 MA's), (156, 24433),

Gene: Hoonter_39 Start: 33125, Stop: 33370, Start Num: 166

Candidate Starts for Hoonter_39:

(Start: 166 @33125 has 192 MA's), (Start: 184 @33182 has 3 MA's), (195, 33215), (198, 33221), (219, 33275), (225, 33287),

Gene: Hope4ever_63 Start: 41279, Stop: 41004, Start Num: 122

Candidate Starts for Hope4ever_63:

(Start: 120 @41282 has 32 MA's), (Start: 122 @41279 has 105 MA's), (Start: 126 @41267 has 7 MA's), (Start: 170 @41237 has 2 MA's), (185, 41186), (189, 41171), (198, 41150), (211, 41120), (221, 41090), (251, 41015),

Gene: Hokey_39 Start: 33412, Stop: 33657, Start Num: 166

Candidate Starts for Hokey_39:

(Start: 166 @33412 has 192 MA's), (Start: 184 @33469 has 3 MA's), (195, 33502), (198, 33508), (219, 33562), (225, 33574),

Gene: HortumSL17_58 Start: 38225, Stop: 37953, Start Num: 125

Candidate Starts for HortumSL17_58:

(Start: 125 @38225 has 115 MA's), (Start: 161 @38216 has 7 MA's), (Start: 182 @38159 has 1 MA's), (194, 38123), (209, 38084), (219, 38057), (224, 38045),

Gene: Hortus1_28 Start: 9181, Stop: 9435, Start Num: 167

Candidate Starts for Hortus1_28:

(131, 9133), (Start: 153 @9166 has 31 MA's), (Start: 167 @9181 has 57 MA's), (179, 9226), (192, 9262), (226, 9349),

Gene: Hubbs_30 Start: 9589, Stop: 9837, Start Num: 167

Candidate Starts for Hubbs_30:

(Start: 136 @9550 has 2 MA's), (Start: 167 @9589 has 57 MA's), (179, 9634), (192, 9670), (247, 9817),

Gene: HufflyPuff_36 Start: 33119, Stop: 33364, Start Num: 166

Candidate Starts for HufflyPuff_36:

(Start: 166 @33119 has 192 MA's), (Start: 184 @33176 has 3 MA's), (195, 33209), (198, 33215), (219, 33269), (225, 33281),

Gene: Huffy_63 Start: 39006, Stop: 39230, Start Num: 163

Candidate Starts for Huffy_63:

(Start: 163 @39006 has 11 MA's), (179, 39048), (195, 39093), (199, 39102), (219, 39153), (222, 39162), (231, 39183),

Gene: Hughesyang_50 Start: 44061, Stop: 44306, Start Num: 167

Candidate Starts for Hughesyang_50:

(Start: 167 @44061 has 57 MA's), (185, 44124), (195, 44154), (196, 44157), (222, 44217), (224, 44220), (225, 44223),

Gene: Hurricane_68 Start: 44101, Stop: 44340, Start Num: 164

Candidate Starts for Hurricane_68:

(Start: 164 @44101 has 163 MA's), (Start: 176 @44134 has 2 MA's), (195, 44188), (218, 44248), (222, 44260),

Gene: Hutc2_57 Start: 37326, Stop: 37054, Start Num: 125

Candidate Starts for Hutc2_57:

(Start: 125 @37326 has 115 MA's), (Start: 161 @37317 has 7 MA's), (224, 37146),

Gene: Hyperbowlee_66 Start: 43819, Stop: 44061, Start Num: 164

Candidate Starts for Hyperbowlee_66:

(Start: 164 @43819 has 163 MA's), (195, 43909), (232, 44005), (242, 44029),

Gene: IAmGroot_42 Start: 27740, Stop: 28006, Start Num: 123

Candidate Starts for IAmGroot_42:

(Start: 123 @27740 has 10 MA's),

Gene: IHOP_37 Start: 33369, Stop: 33557, Start Num: 184

Candidate Starts for IHOP_37:

(Start: 166 @33312 has 192 MA's), (Start: 184 @33369 has 3 MA's), (195, 33402), (198, 33408), (219, 33462), (225, 33474),

Gene: ILeeKay_64 Start: 41170, Stop: 40895, Start Num: 122

Candidate Starts for ILeeKay_64:

(Start: 120 @41173 has 32 MA's), (Start: 122 @41170 has 105 MA's), (Start: 126 @41158 has 7 MA's), (185, 41077), (189, 41062), (198, 41041), (211, 41011), (221, 40981),

Gene: IPhane7_39 Start: 32762, Stop: 33040, Start Num: 144

Candidate Starts for IPhane7_39:

(82, 32651), (Start: 144 @32762 has 11 MA's), (Start: 160 @32780 has 9 MA's), (185, 32843), (218, 32930), (221, 32939), (225, 32948),

Gene: Icarian_39 Start: 26879, Stop: 27112, Start Num: 168

Candidate Starts for Icarian_39:

(85, 26750), (87, 26753), (97, 26771), (104, 26783), (106, 26786), (111, 26795), (Start: 160 @26870 has 9 MA's), (Start: 168 @26879 has 57 MA's), (179, 26921),

Gene: Icee_36 Start: 32793, Stop: 33038, Start Num: 166

Candidate Starts for Icee_36:

(Start: 166 @32793 has 192 MA's), (Start: 184 @32850 has 3 MA's), (195, 32883), (198, 32889), (219, 32943), (225, 32955),

Gene: Ichabod_66 Start: 42392, Stop: 42126, Start Num: 122

Candidate Starts for Ichabod_66:

(Start: 120 @42395 has 32 MA's), (Start: 122 @42392 has 105 MA's), (Start: 126 @42380 has 7 MA's), (Start: 170 @42359 has 2 MA's), (185, 42308), (189, 42293), (198, 42272), (211, 42242), (221, 42212), (251, 42137),

Gene: Illumine_72 Start: 45460, Stop: 45702, Start Num: 164
Candidate Starts for Illumine_72:
(Start: 164 @45460 has 163 MA's), (195, 45550), (232, 45646), (242, 45670),

Gene: Inca_36 Start: 31814, Stop: 32059, Start Num: 166
Candidate Starts for Inca_36:
(Start: 166 @31814 has 192 MA's), (Start: 184 @31871 has 3 MA's), (195, 31904), (198, 31910), (219, 31964), (225, 31976),

Gene: Indlulamithi_37 Start: 32452, Stop: 32694, Start Num: 163
Candidate Starts for Indlulamithi_37:
(Start: 163 @32452 has 11 MA's), (Start: 182 @32506 has 1 MA's), (224, 32593), (255, 32677), (257, 32680),

Gene: IndyLu_35 Start: 25415, Stop: 25645, Start Num: 168
Candidate Starts for IndyLu_35:
(84, 25286), (85, 25289), (95, 25307), (102, 25319), (104, 25322), (111, 25331), (Start: 160 @25406 has 9 MA's), (Start: 168 @25415 has 57 MA's), (217, 25556),

Gene: Inky_66 Start: 43622, Stop: 43864, Start Num: 164
Candidate Starts for Inky_66:
(Start: 164 @43622 has 163 MA's), (195, 43712), (232, 43808), (242, 43832),

Gene: Insomnia_58 Start: 37837, Stop: 37565, Start Num: 125
Candidate Starts for Insomnia_58:
(Start: 125 @37837 has 115 MA's), (Start: 161 @37828 has 7 MA's), (224, 37657),

Gene: InvictusManeo_58 Start: 40773, Stop: 41021, Start Num: 164
Candidate Starts for InvictusManeo_58:
(Start: 164 @40773 has 163 MA's), (212, 40905), (222, 40935), (236, 40968),

Gene: Iter_34 Start: 24797, Stop: 25063, Start Num: 145
Candidate Starts for Iter_34:
(Start: 145 @24797 has 23 MA's), (222, 24980),

Gene: Itos_32 Start: 28422, Stop: 28688, Start Num: 166
Candidate Starts for Itos_32:
(Start: 166 @28422 has 192 MA's), (Start: 178 @28467 has 6 MA's), (196, 28518), (225, 28584), (249, 28656), (259, 28677),

Gene: IttyBittyPiggy_33 Start: 24853, Stop: 25107, Start Num: 142
Candidate Starts for IttyBittyPiggy_33:
(37, 24598), (48, 24634), (Start: 142 @24853 has 3 MA's),

Gene: JAWS_67 Start: 43898, Stop: 44140, Start Num: 164
Candidate Starts for JAWS_67:
(Start: 164 @43898 has 163 MA's), (195, 43988), (232, 44084), (242, 44108),

Gene: JC27_65 Start: 41732, Stop: 41466, Start Num: 122

Candidate Starts for JC27_65:

(Start: 122 @41732 has 105 MA's), (Start: 126 @41720 has 7 MA's), (140, 41705), (Start: 170 @41699 has 2 MA's), (185, 41648), (189, 41633), (198, 41612), (211, 41582), (221, 41552),

Gene: JSwag_63 Start: 37391, Stop: 37122, Start Num: 154

Candidate Starts for JSwag_63:

(14, 37835), (17, 37811), (25, 37733), (Start: 154 @37391 has 21 MA's), (224, 37214),

Gene: Jabith_58 Start: 37838, Stop: 37566, Start Num: 125

Candidate Starts for Jabith_58:

(Start: 125 @37838 has 115 MA's), (Start: 161 @37829 has 7 MA's), (224, 37658),

Gene: Jacko_31 Start: 9673, Stop: 9921, Start Num: 167

Candidate Starts for Jacko_31:

(Start: 167 @9673 has 57 MA's), (Start: 172 @9685 has 9 MA's), (179, 9718), (229, 9853),

Gene: Jamie19_49 Start: 34464, Stop: 34712, Start Num: 153

Candidate Starts for Jamie19_49:

(Start: 153 @34464 has 31 MA's), (Start: 166 @34476 has 192 MA's), (221, 34626), (222, 34629), (251, 34704),

Gene: Janeemi_35 Start: 26823, Stop: 27089, Start Num: 145

Candidate Starts for Janeemi_35:

(Start: 145 @26823 has 23 MA's),

Gene: Jarvi_66 Start: 43622, Stop: 43864, Start Num: 164

Candidate Starts for Jarvi_66:

(Start: 164 @43622 has 163 MA's), (195, 43712), (232, 43808), (242, 43832),

Gene: JasmineDragon_39 Start: 26463, Stop: 26750, Start Num: 126

Candidate Starts for JasmineDragon_39:

(Start: 126 @26463 has 7 MA's), (214, 26655),

Gene: Jasper_62 Start: 40214, Stop: 39948, Start Num: 122

Candidate Starts for Jasper_62:

(Start: 122 @40214 has 105 MA's), (Start: 126 @40202 has 7 MA's), (Start: 166 @40187 has 192 MA's), (Start: 170 @40181 has 2 MA's), (185, 40130), (189, 40115), (198, 40094), (211, 40064), (221, 40034), (251, 39959),

Gene: Jayhawk_68 Start: 43965, Stop: 44207, Start Num: 164

Candidate Starts for Jayhawk_68:

(Start: 164 @43965 has 163 MA's), (195, 44055), (232, 44151), (242, 44175),

Gene: JeTaime_39 Start: 33936, Stop: 34181, Start Num: 166

Candidate Starts for JeTaime_39:

(Start: 166 @33936 has 192 MA's), (Start: 184 @33993 has 3 MA's), (195, 34026), (198, 34032), (219, 34086), (225, 34098),

Gene: Jeckyll_66 Start: 43622, Stop: 43864, Start Num: 164

Candidate Starts for Jeckyll_66:

(Start: 164 @43622 has 163 MA's), (195, 43712), (232, 43808), (242, 43832),

Gene: Jerm_60 Start: 38841, Stop: 38569, Start Num: 125

Candidate Starts for Jerm_60:

(Start: 125 @38841 has 115 MA's), (Start: 161 @38832 has 7 MA's), (Start: 170 @38820 has 2 MA's), (Start: 172 @38814 has 9 MA's), (213, 38691),

Gene: Jerm2_64 Start: 42536, Stop: 42270, Start Num: 122

Candidate Starts for Jerm2_64:

(Start: 120 @42539 has 32 MA's), (Start: 122 @42536 has 105 MA's), (Start: 126 @42524 has 7 MA's), (Start: 170 @42503 has 2 MA's), (185, 42452), (189, 42437), (198, 42416), (211, 42386), (221, 42356), (251, 42281),

Gene: Jester_45 Start: 34013, Stop: 33717, Start Num: 155

Candidate Starts for Jester_45:

(Start: 155 @34013 has 37 MA's), (Start: 170 @33995 has 2 MA's), (Start: 172 @33989 has 9 MA's), (211, 33872), (222, 33839), (225, 33833), (249, 33773), (262, 33725),

Gene: Jobypre_31 Start: 28829, Stop: 29050, Start Num: 178

Candidate Starts for Jobypre_31:

(Start: 166 @28784 has 192 MA's), (Start: 172 @28796 has 9 MA's), (Start: 178 @28829 has 6 MA's),

Gene: JoeDirt_30 Start: 27672, Stop: 27941, Start Num: 166

Candidate Starts for JoeDirt_30:

(Start: 166 @27672 has 192 MA's), (Start: 178 @27717 has 6 MA's), (221, 27825),

Gene: Joemato_35 Start: 24755, Stop: 25021, Start Num: 145

Candidate Starts for Joemato_35:

(37, 24497), (Start: 145 @24755 has 23 MA's), (222, 24938),

Gene: JohnDoe_33 Start: 24746, Stop: 25012, Start Num: 145

Candidate Starts for JohnDoe_33:

(37, 24488), (Start: 145 @24746 has 23 MA's), (222, 24929),

Gene: Johnathan_35 Start: 24821, Stop: 25051, Start Num: 168

Candidate Starts for Johnathan_35:

(Start: 168 @24821 has 57 MA's),

Gene: JonJames_133 Start: 77174, Stop: 77473, Start Num: 147

Candidate Starts for JonJames_133:

(Start: 147 @77174 has 13 MA's), (179, 77234), (194, 77276), (198, 77285), (211, 77321), (221, 77351),

Gene: Jorgensen_65 Start: 41384, Stop: 41109, Start Num: 122

Candidate Starts for Jorgensen_65:

(Start: 120 @41387 has 32 MA's), (Start: 122 @41384 has 105 MA's), (Start: 126 @41372 has 7 MA's), (Start: 170 @41342 has 2 MA's), (185, 41291), (189, 41276), (198, 41255), (211, 41225), (221, 41195), (251, 41120),

Gene: Joselito_58 Start: 37786, Stop: 37514, Start Num: 125

Candidate Starts for Joselito_58:

(Start: 125 @37786 has 115 MA's), (Start: 161 @37777 has 7 MA's), (224, 37606),

Gene: Journey13_52 Start: 36811, Stop: 36539, Start Num: 125

Candidate Starts for Journey13_52:

(Start: 125 @36811 has 115 MA's), (Start: 161 @36802 has 7 MA's), (Start: 172 @36784 has 9 MA's), (198, 36700), (213, 36661), (224, 36631),

Gene: Journey_55 Start: 34954, Stop: 35292, Start Num: 148

Candidate Starts for Journey_55:

(109, 34888), (Start: 148 @34954 has 1 MA's), (Start: 166 @34966 has 192 MA's), (Start: 170 @34972 has 2 MA's), (191, 35038), (212, 35083), (222, 35113), (263, 35248), (264, 35275), (265, 35284),

Gene: Jovita_37 Start: 25579, Stop: 25821, Start Num: 168

Candidate Starts for Jovita_37:

(Start: 168 @25579 has 57 MA's), (255, 25813),

Gene: Joy99_66 Start: 43551, Stop: 43793, Start Num: 164

Candidate Starts for Joy99_66:

(Start: 164 @43551 has 163 MA's), (195, 43641), (232, 43737), (242, 43761),

Gene: Jsquared_56 Start: 37405, Stop: 37133, Start Num: 127

Candidate Starts for Jsquared_56:

(Start: 127 @37405 has 9 MA's), (Start: 170 @37384 has 2 MA's), (Start: 172 @37378 has 9 MA's), (213, 37255), (217, 37243),

Gene: Jstan_36 Start: 26608, Stop: 26865, Start Num: 165

Candidate Starts for Jstan_36:

(37, 26371), (39, 26380), (Start: 165 @26608 has 7 MA's), (179, 26656), (224, 26773),

Gene: Jubie_31 Start: 28785, Stop: 29051, Start Num: 166

Candidate Starts for Jubie_31:

(Start: 166 @28785 has 192 MA's), (Start: 172 @28797 has 9 MA's), (Start: 178 @28830 has 6 MA's),

Gene: Juicebox_39 Start: 32245, Stop: 32553, Start Num: 124

Candidate Starts for Juicebox_39:

(Start: 124 @32245 has 1 MA's), (Start: 141 @32269 has 2 MA's), (150, 32281), (171, 32302), (Start: 172 @32305 has 9 MA's), (Start: 184 @32350 has 3 MA's), (189, 32368), (203, 32404), (214, 32422), (224, 32443), (225, 32446), (228, 32455), (249, 32518),

Gene: JuicyJay_54 Start: 45887, Stop: 46132, Start Num: 167

Candidate Starts for JuicyJay_54:

(Start: 167 @45887 has 57 MA's), (185, 45950), (195, 45980), (196, 45983), (222, 46043), (224, 46046), (225, 46049),

Gene: JuliaChild_63 Start: 41613, Stop: 41338, Start Num: 122

Candidate Starts for JuliaChild_63:

(Start: 120 @41616 has 32 MA's), (Start: 122 @41613 has 105 MA's), (Start: 126 @41601 has 7 MA's), (Start: 170 @41571 has 2 MA's), (185, 41520), (189, 41505), (198, 41484), (211, 41454), (221, 41424),

Gene: JuneStar_33 Start: 26763, Stop: 27023, Start Num: 145

Candidate Starts for JuneStar_33:

(Start: 145 @26763 has 23 MA's), (222, 26922),

Gene: KBG_63 Start: 43145, Stop: 42876, Start Num: 120

Candidate Starts for KBG_63:

(Start: 120 @43145 has 32 MA's), (Start: 122 @43142 has 105 MA's), (Start: 126 @43130 has 7 MA's), (Start: 170 @43106 has 2 MA's), (Start: 184 @43061 has 3 MA's), (189, 43043), (211, 42992), (251, 42887),

Gene: KSSJEB_62 Start: 40592, Stop: 40323, Start Num: 120

Candidate Starts for KSSJEB_62:

(Start: 120 @40592 has 32 MA's), (Start: 122 @40589 has 105 MA's), (Start: 126 @40577 has 7 MA's), (Start: 170 @40556 has 2 MA's), (185, 40505), (189, 40490), (198, 40469), (211, 40439), (221, 40409),

Gene: Kahlid_32 Start: 28472, Stop: 28693, Start Num: 178

Candidate Starts for Kahlid_32:

(Start: 166 @28427 has 192 MA's), (Start: 178 @28472 has 6 MA's), (196, 28523), (225, 28589), (249, 28661), (259, 28682),

Gene: Kalah2_52 Start: 44487, Stop: 44732, Start Num: 167

Candidate Starts for Kalah2_52:

(Start: 167 @44487 has 57 MA's), (185, 44550), (195, 44580), (196, 44583), (222, 44643), (224, 44646), (225, 44649),

Gene: Kanely_63 Start: 41177, Stop: 40902, Start Num: 122

Candidate Starts for Kanely_63:

(Start: 120 @41180 has 32 MA's), (Start: 122 @41177 has 105 MA's), (Start: 126 @41165 has 7 MA's), (185, 41084), (189, 41069), (198, 41048), (211, 41018), (221, 40988),

Gene: Kanye_39 Start: 34121, Stop: 34366, Start Num: 166

Candidate Starts for Kanye_39:

(Start: 166 @34121 has 192 MA's), (Start: 184 @34178 has 3 MA's), (195, 34211), (198, 34217), (219, 34271), (225, 34283),

Gene: KashFlow_45 Start: 38241, Stop: 38489, Start Num: 167

Candidate Starts for KashFlow_45:

(Start: 167 @38241 has 57 MA's), (214, 38373),

Gene: KatherineG_64 Start: 37864, Stop: 37595, Start Num: 154

Candidate Starts for KatherineG_64:

(Start: 154 @37864 has 21 MA's), (224, 37687),

Gene: Katzastrophic_35 Start: 25943, Stop: 26173, Start Num: 168

Candidate Starts for Katzastrophic_35:

(85, 25814), (92, 25823), (93, 25829), (99, 25838), (106, 25850), (110, 25856), (116, 25868), (Start: 160 @25934 has 9 MA's), (Start: 168 @25943 has 57 MA's), (195, 26030), (217, 26084), (240, 26135), (255, 26165),

Gene: Kaylissa_33 Start: 24719, Stop: 24961, Start Num: 145

Candidate Starts for Kaylissa_33:

(Start: 145 @24719 has 23 MA's), (222, 24878),

Gene: KeAlii_33 Start: 24733, Stop: 24990, Start Num: 142

Candidate Starts for KeAlii_33:

(47, 24508), (Start: 142 @24733 has 3 MA's),

Gene: Kenmech_65 Start: 42818, Stop: 42549, Start Num: 120

Candidate Starts for Kenmech_65:

(Start: 120 @42818 has 32 MA's), (Start: 122 @42815 has 105 MA's), (Start: 126 @42803 has 7 MA's), (Start: 170 @42782 has 2 MA's), (185, 42731), (189, 42716), (198, 42695), (211, 42665), (221, 42635),

Gene: Kenzers_36 Start: 25402, Stop: 25644, Start Num: 168

Candidate Starts for Kenzers_36:

(Start: 168 @25402 has 57 MA's), (255, 25636),

Gene: Kerberos_60 Start: 38268, Stop: 37996, Start Num: 125

Candidate Starts for Kerberos_60:

(Start: 125 @38268 has 115 MA's), (Start: 161 @38259 has 7 MA's), (194, 38166), (224, 38088), (245, 38034),

Gene: Kevin1_52 Start: 34949, Stop: 35200, Start Num: 153

Candidate Starts for Kevin1_52:

(64, 34775), (105, 34871), (Start: 153 @34949 has 31 MA's), (Start: 166 @34961 has 192 MA's), (195, 35045), (221, 35111), (222, 35114),

Gene: Keziacharles14_58 Start: 39366, Stop: 39094, Start Num: 125

Candidate Starts for Keziacharles14_58:

(Start: 125 @39366 has 115 MA's), (Start: 161 @39357 has 7 MA's), (Start: 182 @39300 has 1 MA's), (194, 39264), (211, 39222),

Gene: Khuang_61 Start: 36119, Stop: 36397, Start Num: 131

Candidate Starts for Khuang_61:

(86, 36041), (131, 36119), (Start: 170 @36164 has 2 MA's), (187, 36221), (188, 36224), (215, 36290),

Gene: KiSi_71 Start: 44647, Stop: 44877, Start Num: 164

Candidate Starts for KiSi_71:

(Start: 164 @44647 has 163 MA's), (205, 44764), (218, 44782),

Gene: Kieran_34 Start: 25998, Stop: 26228, Start Num: 168

Candidate Starts for Kieran_34:

(21, 25578), (29, 25641), (30, 25659), (31, 25680), (34, 25689), (38, 25713), (42, 25731), (45, 25737), (51, 25764), (52, 25767), (58, 25788), (59, 25791), (68, 25818), (72, 25830), (76, 25845), (81, 25860), (85, 25869), (92, 25878), (93, 25884), (99, 25893), (106, 25905), (110, 25911), (Start: 160 @25989 has 9 MA's), (Start: 168 @25998 has 57 MA's), (190, 26070), (195, 26085), (217, 26139), (240, 26190), (255, 26220),

Gene: Kikiko_7 Start: 5275, Stop: 4988, Start Num: 129

Candidate Starts for Kikiko_7:

(Start: 129 @5275 has 11 MA's), (Start: 170 @5227 has 2 MA's), (181, 5185), (214, 5101),

Gene: Kimchi_39 Start: 33128, Stop: 33373, Start Num: 166

Candidate Starts for Kimchi_39:

(Start: 166 @33128 has 192 MA's), (Start: 184 @33185 has 3 MA's), (195, 33218), (198, 33224), (219, 33278), (225, 33290),

Gene: KingCyrus_60 Start: 40022, Stop: 39750, Start Num: 125

Candidate Starts for KingCyrus_60:

(Start: 125 @40022 has 115 MA's), (Start: 161 @40013 has 7 MA's), (Start: 170 @40001 has 2 MA's), (Start: 172 @39995 has 9 MA's), (213, 39872),

Gene: Kingsolomon_31 Start: 28784, Stop: 29050, Start Num: 166
Candidate Starts for Kingsolomon_31:
(Start: 166 @28784 has 192 MA's), (Start: 172 @28796 has 9 MA's), (Start: 178 @28829 has 6 MA's),

Gene: Klein_52 Start: 43699, Stop: 43944, Start Num: 167
Candidate Starts for Klein_52:
(Start: 167 @43699 has 57 MA's), (185, 43762), (195, 43792), (196, 43795), (222, 43855), (224, 43858), (225, 43861),

Gene: Koduck_59 Start: 37723, Stop: 37412, Start Num: 125
Candidate Starts for Koduck_59:
(16, 38146), (35, 37963), (44, 37924), (Start: 125 @37723 has 115 MA's), (Start: 152 @37684 has 1 MA's), (Start: 172 @37657 has 9 MA's), (213, 37534), (217, 37522),

Gene: Kostya_38 Start: 33136, Stop: 33381, Start Num: 166
Candidate Starts for Kostya_38:
(Start: 166 @33136 has 192 MA's), (Start: 184 @33193 has 3 MA's), (195, 33226), (198, 33232), (219, 33286), (225, 33298),

Gene: Kratio_58 Start: 40509, Stop: 40757, Start Num: 164
Candidate Starts for Kratio_58:
(Start: 164 @40509 has 163 MA's), (212, 40641), (222, 40671), (236, 40704),

Gene: Krishelle_46 Start: 34658, Stop: 34362, Start Num: 155
Candidate Starts for Krishelle_46:
(Start: 155 @34658 has 37 MA's), (Start: 170 @34640 has 2 MA's), (Start: 172 @34634 has 9 MA's), (211, 34517), (222, 34484), (225, 34478), (249, 34418), (262, 34370),

Gene: Krypton555_31 Start: 28682, Stop: 28948, Start Num: 166
Candidate Starts for Krypton555_31:
(135, 28643), (Start: 166 @28682 has 192 MA's), (Start: 172 @28694 has 9 MA's), (Start: 178 @28727 has 6 MA's), (195, 28775),

Gene: Kudetre_114 Start: 63016, Stop: 63252, Start Num: 159
Candidate Starts for Kudetre_114:
(Start: 159 @63016 has 15 MA's), (Start: 172 @63031 has 9 MA's), (Start: 178 @63061 has 6 MA's), (195, 63109), (213, 63145), (237, 63220),

Gene: Kugel_64 Start: 42232, Stop: 41954, Start Num: 120
Candidate Starts for Kugel_64:
(Start: 120 @42232 has 32 MA's), (Start: 122 @42229 has 105 MA's), (Start: 126 @42217 has 7 MA's), (Start: 170 @42187 has 2 MA's), (185, 42136), (189, 42121), (198, 42100), (211, 42070), (221, 42040), (251, 41965),

Gene: Kumao_40 Start: 35332, Stop: 35592, Start Num: 151
Candidate Starts for Kumao_40:
(Start: 151 @35332 has 2 MA's), (Start: 160 @35341 has 9 MA's), (180, 35392), (198, 35440), (211, 35470), (214, 35479), (221, 35500), (222, 35503), (224, 35506),

Gene: Kumotta_57 Start: 33061, Stop: 33339, Start Num: 129
Candidate Starts for Kumotta_57:
(Start: 129 @33061 has 11 MA's), (Start: 170 @33109 has 2 MA's), (211, 33223),

Gene: KyMonks1A_65 Start: 41158, Stop: 40901, Start Num: 129

Candidate Starts for KyMonks1A_65:

(Start: 129 @41158 has 11 MA's), (Start: 166 @41140 has 192 MA's), (Start: 170 @41134 has 2 MA's), (185, 41083), (189, 41068), (198, 41047), (211, 41017), (221, 40987), (251, 40912),

Gene: L5_56 Start: 37810, Stop: 37499, Start Num: 125

Candidate Starts for L5_56:

(16, 38233), (35, 38050), (44, 38011), (Start: 125 @37810 has 115 MA's), (Start: 152 @37771 has 1 MA's), (Start: 172 @37744 has 9 MA's), (213, 37621), (217, 37609),

Gene: Lahqtemish_35 Start: 25448, Stop: 25690, Start Num: 168

Candidate Starts for Lahqtemish_35:

(Start: 168 @25448 has 57 MA's), (217, 25589),

Gene: Lamina13_66 Start: 42549, Stop: 42280, Start Num: 120

Candidate Starts for Lamina13_66:

(Start: 120 @42549 has 32 MA's), (Start: 122 @42546 has 105 MA's), (Start: 126 @42534 has 7 MA's), (Start: 170 @42513 has 2 MA's), (185, 42462), (189, 42447), (198, 42426), (211, 42396), (221, 42366), (251, 42291),

Gene: Larenn_57 Start: 38431, Stop: 38159, Start Num: 125

Candidate Starts for Larenn_57:

(Start: 125 @38431 has 115 MA's), (Start: 172 @38404 has 9 MA's), (180, 38368), (195, 38326), (213, 38281), (224, 38251), (230, 38242),

Gene: Larva_61 Start: 41955, Stop: 42203, Start Num: 164

Candidate Starts for Larva_61:

(Start: 164 @41955 has 163 MA's), (189, 42030), (218, 42102),

Gene: LastHope_71 Start: 43062, Stop: 43310, Start Num: 164

Candidate Starts for LastHope_71:

(Start: 164 @43062 has 163 MA's), (195, 43152), (232, 43248), (242, 43272),

Gene: LastResort_62 Start: 37443, Stop: 37174, Start Num: 154

Candidate Starts for LastResort_62:

(14, 37887), (17, 37863), (25, 37785), (Start: 154 @37443 has 21 MA's), (224, 37266),

Gene: LaterM_67 Start: 44313, Stop: 44555, Start Num: 164

Candidate Starts for LaterM_67:

(Start: 164 @44313 has 163 MA's), (195, 44403), (232, 44499), (242, 44523),

Gene: LeBron_30 Start: 27716, Stop: 27985, Start Num: 166

Candidate Starts for LeBron_30:

(Start: 166 @27716 has 192 MA's), (Start: 178 @27761 has 6 MA's), (221, 27869),

Gene: LeMond_70 Start: 44281, Stop: 44508, Start Num: 164

Candidate Starts for LeMond_70:

(Start: 164 @44281 has 163 MA's), (205, 44398), (218, 44416), (232, 44452),

Gene: LeeroyJenkins_54 Start: 34043, Stop: 34282, Start Num: 168

Candidate Starts for LeeroyJenkins_54:

(Start: 168 @34043 has 57 MA's), (185, 34100), (194, 34127), (198, 34136),

Gene: Lego_33 Start: 24673, Stop: 24915, Start Num: 145

Candidate Starts for Lego_33:

(Start: 145 @24673 has 23 MA's),

Gene: Leopard_52 Start: 39719, Stop: 39474, Start Num: 164

Candidate Starts for Leopard_52:

(Start: 164 @39719 has 163 MA's), (185, 39659), (194, 39632), (211, 39593), (219, 39569), (221, 39563), (224, 39557), (231, 39533),

Gene: Lesedi_58 Start: 39515, Stop: 39249, Start Num: 122

Candidate Starts for Lesedi_58:

(Start: 122 @39515 has 105 MA's), (Start: 126 @39503 has 7 MA's), (Start: 170 @39482 has 2 MA's), (185, 39431), (189, 39416), (198, 39395), (211, 39365), (221, 39335), (251, 39260),

Gene: Leston_60 Start: 42561, Stop: 42809, Start Num: 164

Candidate Starts for Leston_60:

(Start: 164 @42561 has 163 MA's), (189, 42636), (218, 42708),

Gene: Leviathan_60 Start: 38898, Stop: 38626, Start Num: 125

Candidate Starts for Leviathan_60:

(Start: 125 @38898 has 115 MA's), (Start: 161 @38889 has 7 MA's), (Start: 170 @38877 has 2 MA's), (Start: 172 @38871 has 9 MA's), (213, 38748),

Gene: Lewan_32 Start: 28467, Stop: 28688, Start Num: 178

Candidate Starts for Lewan_32:

(Start: 166 @28422 has 192 MA's), (Start: 178 @28467 has 6 MA's), (196, 28518), (225, 28584), (249, 28656), (259, 28677),

Gene: Licorice_63 Start: 42655, Stop: 42389, Start Num: 122

Candidate Starts for Licorice_63:

(Start: 120 @42658 has 32 MA's), (Start: 122 @42655 has 105 MA's), (Start: 126 @42643 has 7 MA's), (Start: 170 @42622 has 2 MA's), (185, 42571), (189, 42556), (198, 42535), (211, 42505), (221, 42475),

Gene: Liebe_36 Start: 26803, Stop: 26994, Start Num: 182

Candidate Starts for Liebe_36:

(Start: 167 @26752 has 57 MA's), (Start: 182 @26803 has 1 MA's), (222, 26911),

Gene: Lifes_48 Start: 30666, Stop: 30905, Start Num: 168

Candidate Starts for Lifes_48:

(89, 30549), (100, 30567), (Start: 168 @30666 has 57 MA's), (185, 30723), (198, 30759),

Gene: LilBib_62 Start: 42639, Stop: 42373, Start Num: 122

Candidate Starts for LilBib_62:

(Start: 120 @42642 has 32 MA's), (Start: 122 @42639 has 105 MA's), (Start: 126 @42627 has 7 MA's), (Start: 170 @42606 has 2 MA's), (185, 42555), (189, 42540), (198, 42519), (211, 42489), (221, 42459),

Gene: LilDestine_32 Start: 28421, Stop: 28687, Start Num: 166

Candidate Starts for LilDestine_32:

(Start: 166 @28421 has 192 MA's), (174, 28445), (Start: 178 @28466 has 6 MA's), (196, 28517), (225, 28583), (249, 28655), (259, 28676),

Gene: LilPharaoh_56 Start: 40669, Stop: 40914, Start Num: 164

Candidate Starts for LilPharaoh_56:

(109, 40597), (Start: 164 @40669 has 163 MA's), (201, 40774), (218, 40816), (232, 40852),

Gene: LilTurb_59 Start: 38722, Stop: 38450, Start Num: 125

Candidate Starts for LilTurb_59:

(Start: 125 @38722 has 115 MA's), (Start: 161 @38713 has 7 MA's), (Start: 170 @38701 has 2 MA's),
(Start: 172 @38695 has 9 MA's), (213, 38572),

Gene: Lilac_39 Start: 32632, Stop: 32877, Start Num: 166

Candidate Starts for Lilac_39:

(Start: 166 @32632 has 192 MA's), (Start: 184 @32689 has 3 MA's), (195, 32722), (198, 32728), (219,
32782), (225, 32794),

Gene: LilhomieP_38 Start: 32762, Stop: 33040, Start Num: 144

Candidate Starts for LilhomieP_38:

(82, 32651), (Start: 144 @32762 has 11 MA's), (Start: 160 @32780 has 9 MA's), (185, 32843), (218,
32930), (221, 32939), (225, 32948),

Gene: Lilizi_39 Start: 32840, Stop: 33085, Start Num: 166

Candidate Starts for Lilizi_39:

(Start: 166 @32840 has 192 MA's), (Start: 184 @32897 has 3 MA's), (195, 32930), (198, 32936), (219,
32990), (225, 33002),

Gene: Lillie_46 Start: 34298, Stop: 34002, Start Num: 155

Candidate Starts for Lillie_46:

(Start: 155 @34298 has 37 MA's), (Start: 170 @34280 has 2 MA's), (Start: 172 @34274 has 9 MA's),
(211, 34157), (222, 34124), (225, 34118), (249, 34058), (262, 34010),

Gene: Lilpickle_36 Start: 32342, Stop: 32587, Start Num: 166

Candidate Starts for Lilpickle_36:

(Start: 166 @32342 has 192 MA's), (Start: 184 @32399 has 3 MA's), (195, 32432), (198, 32438), (219,
32492), (225, 32504),

Gene: LimaBean_35 Start: 24870, Stop: 25100, Start Num: 168

Candidate Starts for LimaBean_35:

(Start: 168 @24870 has 57 MA's),

Gene: LindNT_66 Start: 44110, Stop: 44352, Start Num: 164

Candidate Starts for LindNT_66:

(Start: 164 @44110 has 163 MA's), (195, 44200), (232, 44296),

Gene: LittleE_56 Start: 43957, Stop: 44196, Start Num: 172

Candidate Starts for LittleE_56:

(Start: 172 @43957 has 9 MA's), (Start: 177 @43984 has 1 MA's), (195, 44038), (196, 44041), (221,
44098), (232, 44134),

Gene: Lizalica_32 Start: 24547, Stop: 24813, Start Num: 145

Candidate Starts for Lizalica_32:

(Start: 145 @24547 has 23 MA's), (222, 24730),

Gene: Llorens_66 Start: 43622, Stop: 43864, Start Num: 164

Candidate Starts for Llorens_66:

(Start: 164 @43622 has 163 MA's), (195, 43712), (232, 43808), (242, 43832),

Gene: Loadrie_32 Start: 28454, Stop: 28720, Start Num: 166

Candidate Starts for Loadrie_32:

(Start: 166 @28454 has 192 MA's), (Start: 178 @28499 has 6 MA's), (196, 28550), (225, 28616), (249, 28688), (259, 28709),

Gene: Lockley_59 Start: 40855, Stop: 40580, Start Num: 122

Candidate Starts for Lockley_59:

(Start: 122 @40855 has 105 MA's), (Start: 126 @40843 has 7 MA's), (Start: 170 @40813 has 2 MA's), (185, 40762), (189, 40747), (198, 40726), (209, 40699), (211, 40696), (221, 40666), (251, 40591),

Gene: Lokk_55 Start: 37800, Stop: 37528, Start Num: 125

Candidate Starts for Lokk_55:

(Start: 125 @37800 has 115 MA's), (Start: 172 @37773 has 9 MA's), (213, 37650), (224, 37620),

Gene: Lolly9_31 Start: 28548, Stop: 28814, Start Num: 166

Candidate Starts for Lolly9_31:

(Start: 166 @28548 has 192 MA's), (Start: 172 @28560 has 9 MA's), (Start: 178 @28593 has 6 MA's),

Gene: London_34 Start: 26623, Stop: 26880, Start Num: 165

Candidate Starts for London_34:

(37, 26386), (39, 26395), (Start: 165 @26623 has 7 MA's), (179, 26671), (224, 26788),

Gene: LoneWolf_59 Start: 38258, Stop: 37986, Start Num: 125

Candidate Starts for LoneWolf_59:

(Start: 125 @38258 has 115 MA's), (Start: 161 @38249 has 7 MA's), (Start: 182 @38192 has 1 MA's), (194, 38156), (213, 38108), (224, 38078),

Gene: Looper_63 Start: 37355, Stop: 37086, Start Num: 154

Candidate Starts for Looper_63:

(14, 37799), (17, 37775), (25, 37697), (Start: 154 @37355 has 21 MA's), (224, 37178),

Gene: Lopton_60 Start: 42624, Stop: 42370, Start Num: 126

Candidate Starts for Lopton_60:

(Start: 119 @42636 has 6 MA's), (Start: 126 @42624 has 7 MA's), (Start: 170 @42603 has 2 MA's), (185, 42552), (189, 42537), (198, 42516), (211, 42486), (221, 42456),

Gene: Loviatar_65 Start: 27431, Stop: 27664, Start Num: 168

Candidate Starts for Loviatar_65:

(85, 27302), (87, 27305), (97, 27323), (104, 27335), (106, 27338), (111, 27347), (Start: 160 @27422 has 9 MA's), (Start: 168 @27431 has 57 MA's), (179, 27473),

Gene: Lozinak_125 Start: 71628, Stop: 71921, Start Num: 147

Candidate Starts for Lozinak_125:

(Start: 147 @71628 has 13 MA's), (Start: 176 @71676 has 2 MA's), (221, 71805),

Gene: Lucivia_58 Start: 37835, Stop: 37563, Start Num: 125

Candidate Starts for Lucivia_58:

(Start: 125 @37835 has 115 MA's), (Start: 161 @37826 has 7 MA's), (224, 37655),

Gene: Lucky2013_51 Start: 40948, Stop: 41187, Start Num: 172

Candidate Starts for Lucky2013_51:

(Start: 172 @40948 has 9 MA's), (Start: 177 @40975 has 1 MA's), (195, 41029), (196, 41032), (221, 41089), (232, 41125),

Gene: Lucyedi_59 Start: 38336, Stop: 38067, Start Num: 155

Candidate Starts for Lucyedi_59:

(91, 38408), (Start: 127 @38339 has 9 MA's), (Start: 155 @38336 has 37 MA's), (Start: 161 @38330 has 7 MA's), (194, 38237), (211, 38195), (213, 38189), (224, 38159),

Gene: Lumos_31 Start: 28781, Stop: 29047, Start Num: 166

Candidate Starts for Lumos_31:

(Start: 166 @28781 has 192 MA's), (Start: 172 @28793 has 9 MA's), (Start: 178 @28826 has 6 MA's),

Gene: Lunahalos_66 Start: 43622, Stop: 43864, Start Num: 164

Candidate Starts for Lunahalos_66:

(Start: 164 @43622 has 163 MA's), (195, 43712), (232, 43808), (242, 43832),

Gene: Lupine_29 Start: 9261, Stop: 9509, Start Num: 167

Candidate Starts for Lupine_29:

(Start: 136 @9222 has 2 MA's), (Start: 167 @9261 has 57 MA's), (179, 9306), (192, 9342), (247, 9489),

Gene: Lyell_35 Start: 10250, Stop: 10504, Start Num: 167

Candidate Starts for Lyell_35:

(Start: 148 @10235 has 1 MA's), (Start: 167 @10250 has 57 MA's), (179, 10295), (198, 10346), (204, 10364), (213, 10382),

Gene: Lynlen_36 Start: 25402, Stop: 25644, Start Num: 168

Candidate Starts for Lynlen_36:

(Start: 168 @25402 has 57 MA's), (255, 25636),

Gene: MAckerman_30 Start: 27735, Stop: 27959, Start Num: 178

Candidate Starts for MAckerman_30:

(Start: 166 @27690 has 192 MA's), (Start: 178 @27735 has 6 MA's), (221, 27843),

Gene: MISSy_36 Start: 32648, Stop: 32893, Start Num: 166

Candidate Starts for MISSy_36:

(Start: 166 @32648 has 192 MA's), (Start: 184 @32705 has 3 MA's), (195, 32738), (198, 32744), (219, 32798), (225, 32810),

Gene: MPhalcon_36 Start: 32641, Stop: 32886, Start Num: 166

Candidate Starts for MPhalcon_36:

(Start: 166 @32641 has 192 MA's), (Start: 184 @32698 has 3 MA's), (195, 32731), (198, 32737), (219, 32791), (225, 32803),

Gene: MaCh_58 Start: 37765, Stop: 37493, Start Num: 125

Candidate Starts for MaCh_58:

(Start: 125 @37765 has 115 MA's), (Start: 161 @37756 has 7 MA's), (213, 37615),

Gene: MaGuCo_34 Start: 25599, Stop: 25841, Start Num: 167

Candidate Starts for MaGuCo_34:

(Start: 167 @25599 has 57 MA's), (Start: 182 @25650 has 1 MA's), (222, 25758),

Gene: Mabel_57 Start: 37367, Stop: 37095, Start Num: 125

Candidate Starts for Mabel_57:

(Start: 125 @37367 has 115 MA's), (Start: 161 @37358 has 7 MA's), (224, 37187),

Gene: Mabodamaca_42 Start: 28268, Stop: 28534, Start Num: 123

Candidate Starts for Mabodamaca_42:

(Start: 123 @28268 has 10 MA's), (Start: 170 @28322 has 2 MA's), (212, 28436),

Gene: MacnCheese_70 Start: 44725, Stop: 44967, Start Num: 164

Candidate Starts for MacnCheese_70:

(Start: 164 @44725 has 163 MA's), (Start: 176 @44758 has 2 MA's), (195, 44815), (222, 44887), (232, 44911),

Gene: MadamMonkfish_37 Start: 32553, Stop: 32798, Start Num: 166

Candidate Starts for MadamMonkfish_37:

(Start: 166 @32553 has 192 MA's), (Start: 184 @32610 has 3 MA's), (195, 32643), (198, 32649), (219, 32703), (225, 32715),

Gene: Magnar_60 Start: 41031, Stop: 40774, Start Num: 129

Candidate Starts for Magnar_60:

(Start: 129 @41031 has 11 MA's), (Start: 166 @41013 has 192 MA's), (Start: 170 @41007 has 2 MA's), (185, 40956), (189, 40941), (198, 40920), (211, 40890), (221, 40860), (251, 40785),

Gene: Magnito_60 Start: 40895, Stop: 40638, Start Num: 129

Candidate Starts for Magnito_60:

(Start: 129 @40895 has 11 MA's), (Start: 166 @40877 has 192 MA's), (Start: 170 @40871 has 2 MA's), (185, 40820), (189, 40805), (198, 40784), (205, 40763), (211, 40754), (221, 40724),

Gene: Magsby_50 Start: 34922, Stop: 35170, Start Num: 153

Candidate Starts for Magsby_50:

(19, 34508), (54, 34715), (64, 34748), (105, 34844), (Start: 153 @34922 has 31 MA's), (Start: 166 @34934 has 192 MA's), (Start: 170 @34940 has 2 MA's), (195, 35018), (221, 35084), (222, 35087),

Gene: Makemake_64 Start: 42602, Stop: 42336, Start Num: 119

Candidate Starts for Makemake_64:

(Start: 119 @42602 has 6 MA's), (Start: 126 @42590 has 7 MA's), (Start: 170 @42569 has 2 MA's), (185, 42518), (189, 42503), (198, 42482), (211, 42452), (221, 42422), (251, 42347),

Gene: Malec_58 Start: 38998, Stop: 38726, Start Num: 125

Candidate Starts for Malec_58:

(Start: 125 @38998 has 115 MA's), (Start: 172 @38971 has 9 MA's), (180, 38935), (195, 38893), (213, 38848), (224, 38818), (230, 38809),

Gene: Maminiaina_57 Start: 38227, Stop: 37955, Start Num: 125

Candidate Starts for Maminiaina_57:

(Start: 125 @38227 has 115 MA's), (Start: 161 @38218 has 7 MA's), (Start: 182 @38161 has 1 MA's), (194, 38125), (224, 38047),

Gene: Manatee_62 Start: 40921, Stop: 40652, Start Num: 120

Candidate Starts for Manatee_62:

(Start: 120 @40921 has 32 MA's), (Start: 122 @40918 has 105 MA's), (Start: 126 @40906 has 7 MA's), (Start: 166 @40891 has 192 MA's), (Start: 170 @40885 has 2 MA's), (185, 40834), (189, 40819), (198, 40798), (211, 40768), (221, 40738),

Gene: Manda_38 Start: 33620, Stop: 33865, Start Num: 166

Candidate Starts for Manda_38:

(Start: 166 @33620 has 192 MA's), (Start: 184 @33677 has 3 MA's), (195, 33710), (198, 33716), (219, 33770), (225, 33782),

Gene: Marcell_58 Start: 39784, Stop: 39509, Start Num: 122

Candidate Starts for Marcell_58:

(109, 39808), (Start: 120 @39787 has 32 MA's), (Start: 122 @39784 has 105 MA's), (Start: 126 @39772 has 7 MA's), (Start: 170 @39742 has 2 MA's), (185, 39691), (189, 39676), (198, 39655), (211, 39625), (221, 39595),

Gene: Marchy_53 Start: 37830, Stop: 37597, Start Num: 170

Candidate Starts for Marchy_53:

(Start: 120 @37875 has 32 MA's), (Start: 122 @37872 has 105 MA's), (Start: 126 @37860 has 7 MA's), (Start: 170 @37830 has 2 MA's), (185, 37779), (189, 37764), (198, 37743), (205, 37722), (211, 37713), (221, 37683),

Gene: Marcoliusprime_69 Start: 46092, Stop: 46337, Start Num: 164

Candidate Starts for Marcoliusprime_69:

(112, 46035), (114, 46041), (Start: 164 @46092 has 163 MA's), (195, 46182), (211, 46218), (222, 46251),

Gene: MargaretKali_53 Start: 31679, Stop: 31957, Start Num: 129

Candidate Starts for MargaretKali_53:

(Start: 129 @31679 has 11 MA's), (Start: 170 @31727 has 2 MA's), (211, 31841),

Gene: Marge_59 Start: 40664, Stop: 40398, Start Num: 122

Candidate Starts for Marge_59:

(Start: 120 @40667 has 32 MA's), (Start: 122 @40664 has 105 MA's), (Start: 126 @40652 has 7 MA's), (Start: 170 @40631 has 2 MA's), (185, 40580), (189, 40565), (198, 40544), (211, 40514), (221, 40484),

Gene: MarkPhew_69 Start: 43780, Stop: 44007, Start Num: 164

Candidate Starts for MarkPhew_69:

(Start: 164 @43780 has 163 MA's), (205, 43897), (217, 43912), (218, 43915), (232, 43951),

Gene: Maroc7_59 Start: 41311, Stop: 41042, Start Num: 120

Candidate Starts for Maroc7_59:

(109, 41332), (Start: 120 @41311 has 32 MA's), (Start: 122 @41308 has 105 MA's), (Start: 126 @41296 has 7 MA's), (Start: 170 @41275 has 2 MA's), (185, 41224), (189, 41209), (198, 41188), (211, 41158), (221, 41128),

Gene: Marsha_61 Start: 42250, Stop: 41984, Start Num: 122

Candidate Starts for Marsha_61:

(Start: 120 @42253 has 32 MA's), (Start: 122 @42250 has 105 MA's), (Start: 170 @42217 has 2 MA's), (185, 42166), (189, 42151), (198, 42130), (205, 42109), (211, 42100), (221, 42070),

Gene: Marshawn_66 Start: 44145, Stop: 44384, Start Num: 164

Candidate Starts for Marshawn_66:

(Start: 164 @44145 has 163 MA's), (195, 44235),

Gene: Marshmallow_37 Start: 33133, Stop: 33378, Start Num: 166

Candidate Starts for Marshmallow_37:

(Start: 166 @33133 has 192 MA's), (Start: 184 @33190 has 3 MA's), (195, 33223), (198, 33229), (219, 33283), (225, 33295),

Gene: MaryBeth_60 Start: 41488, Stop: 41222, Start Num: 122

Candidate Starts for MaryBeth_60:

(Start: 120 @41491 has 32 MA's), (Start: 122 @41488 has 105 MA's), (Start: 126 @41476 has 7 MA's), (Start: 170 @41455 has 2 MA's), (185, 41404), (189, 41389), (198, 41368), (211, 41338), (221, 41308), (251, 41233),

Gene: MaryV_53 Start: 39346, Stop: 39594, Start Num: 166

Candidate Starts for MaryV_53:

(Start: 166 @39346 has 192 MA's), (191, 39427), (210, 39475), (222, 39508), (224, 39511), (225, 39514), (239, 39547), (254, 39583),

Gene: Maureen_36 Start: 26752, Stop: 26994, Start Num: 167

Candidate Starts for Maureen_36:

(Start: 167 @26752 has 57 MA's), (Start: 182 @26803 has 1 MA's), (222, 26911),

Gene: Maxxinista_38 Start: 32602, Stop: 32847, Start Num: 166

Candidate Starts for Maxxinista_38:

(Start: 166 @32602 has 192 MA's), (Start: 184 @32659 has 3 MA's), (195, 32692), (198, 32698), (219, 32752), (225, 32764),

Gene: Mbo4_60 Start: 42893, Stop: 43174, Start Num: 131

Candidate Starts for Mbo4_60:

(6, 42125), (131, 42893), (162, 42926),

Gene: Mdavu_56 Start: 40930, Stop: 41175, Start Num: 164

Candidate Starts for Mdavu_56:

(109, 40858), (Start: 164 @40930 has 163 MA's), (201, 41035), (218, 41077), (232, 41113),

Gene: MeaningOfLife_67 Start: 44374, Stop: 44616, Start Num: 164

Candidate Starts for MeaningOfLife_67:

(Start: 164 @44374 has 163 MA's), (195, 44464), (232, 44560), (242, 44584),

Gene: Megsy_69 Start: 44032, Stop: 44277, Start Num: 164

Candidate Starts for Megsy_69:

(Start: 164 @44032 has 163 MA's), (195, 44122), (232, 44218), (253, 44269),

Gene: Melville_54 Start: 34906, Stop: 35154, Start Num: 153

Candidate Starts for Melville_54:

(19, 34492), (54, 34699), (64, 34732), (105, 34828), (Start: 153 @34906 has 31 MA's), (Start: 166 @34918 has 192 MA's), (Start: 170 @34924 has 2 MA's), (195, 35002), (221, 35068), (222, 35071),

Gene: MetalQZJ_59 Start: 41488, Stop: 41222, Start Num: 122

Candidate Starts for MetalQZJ_59:

(Start: 120 @41491 has 32 MA's), (Start: 122 @41488 has 105 MA's), (Start: 126 @41476 has 7 MA's), (Start: 170 @41455 has 2 MA's), (185, 41404), (189, 41389), (198, 41368), (211, 41338), (221, 41308), (251, 41233),

Gene: MiaZeal_51 Start: 40623, Stop: 40862, Start Num: 172

Candidate Starts for MiaZeal_51:

(Start: 172 @40623 has 9 MA's), (Start: 177 @40650 has 1 MA's), (195, 40704), (196, 40707), (221, 40764), (232, 40800),

Gene: Michley_65 Start: 41769, Stop: 41494, Start Num: 122

Candidate Starts for Michley_65:

(Start: 122 @41769 has 105 MA's), (Start: 126 @41757 has 7 MA's), (185, 41676), (189, 41661), (198, 41640), (211, 41610), (221, 41580), (251, 41505),

Gene: Miko_55 Start: 38578, Stop: 38306, Start Num: 125

Candidate Starts for Miko_55:

(44, 38779), (Start: 125 @38578 has 115 MA's), (Start: 172 @38551 has 9 MA's), (213, 38428), (224, 38398),

Gene: Miley16_32 Start: 28422, Stop: 28688, Start Num: 166

Candidate Starts for Miley16_32:

(Start: 166 @28422 has 192 MA's), (Start: 178 @28467 has 6 MA's), (196, 28518), (225, 28584), (249, 28656), (259, 28677),

Gene: Milly_69 Start: 46066, Stop: 46311, Start Num: 164

Candidate Starts for Milly_69:

(109, 46003), (Start: 164 @46066 has 163 MA's), (195, 46156), (222, 46225),

Gene: Mimi_114 Start: 86487, Stop: 86735, Start Num: 166

Candidate Starts for Mimi_114:

(Start: 166 @86487 has 192 MA's), (Start: 170 @86493 has 2 MA's), (Start: 172 @86499 has 9 MA's),

Gene: Mindy_37 Start: 32913, Stop: 33158, Start Num: 166

Candidate Starts for Mindy_37:

(Start: 166 @32913 has 192 MA's), (Start: 184 @32970 has 3 MA's), (195, 33003), (198, 33009), (217, 33057), (219, 33063), (225, 33075),

Gene: MinecraftSteve_64 Start: 37679, Stop: 37410, Start Num: 154

Candidate Starts for MinecraftSteve_64:

(Start: 154 @37679 has 21 MA's), (224, 37502),

Gene: Minerva_58 Start: 45548, Stop: 45796, Start Num: 167

Candidate Starts for Minerva_58:

(Start: 167 @45548 has 57 MA's), (214, 45680),

Gene: MiniLon_31 Start: 28548, Stop: 28814, Start Num: 166

Candidate Starts for MiniLon_31:

(Start: 166 @28548 has 192 MA's), (Start: 172 @28560 has 9 MA's), (Start: 178 @28593 has 6 MA's),

Gene: MiniMac_31 Start: 28549, Stop: 28815, Start Num: 166

Candidate Starts for MiniMac_31:

(Start: 166 @28549 has 192 MA's), (Start: 172 @28561 has 9 MA's), (Start: 178 @28594 has 6 MA's),

Gene: MiniMommy_41 Start: 26464, Stop: 26751, Start Num: 126

Candidate Starts for MiniMommy_41:

(Start: 126 @26464 has 7 MA's), (214, 26656),

Gene: Miniwave_37 Start: 33332, Stop: 33577, Start Num: 166

Candidate Starts for Miniwave_37:

(Start: 166 @33332 has 192 MA's), (Start: 184 @33389 has 3 MA's), (195, 33422), (198, 33428), (219, 33482), (225, 33494),

Gene: Miryou_65 Start: 45175, Stop: 45423, Start Num: 164

Candidate Starts for Miryou_65:

(Start: 164 @45175 has 163 MA's), (186, 45238),

Gene: Misfit_37 Start: 33222, Stop: 33467, Start Num: 166

Candidate Starts for Misfit_37:

(Start: 166 @33222 has 192 MA's), (Start: 184 @33279 has 3 MA's), (195, 33312), (198, 33318), (219, 33372), (225, 33384),

Gene: Miskis_124 Start: 71060, Stop: 71353, Start Num: 147

Candidate Starts for Miskis_124:

(Start: 147 @71060 has 13 MA's), (Start: 176 @71108 has 2 MA's), (221, 71237),

Gene: MissAmericana_7 Start: 5312, Stop: 5025, Start Num: 129

Candidate Starts for MissAmericana_7:

(Start: 129 @5312 has 11 MA's), (204, 5159), (241, 5072),

Gene: MissDaisy_67 Start: 42299, Stop: 42547, Start Num: 166

Candidate Starts for MissDaisy_67:

(60, 42101), (Start: 149 @42284 has 7 MA's), (Start: 166 @42299 has 192 MA's), (195, 42386), (231, 42482), (252, 42536),

Gene: MissSwiss_32 Start: 23153, Stop: 23398, Start Num: 167

Candidate Starts for MissSwiss_32:

(Start: 167 @23153 has 57 MA's), (179, 23198), (222, 23312),

Gene: MissWhite_57 Start: 36925, Stop: 36653, Start Num: 125

Candidate Starts for MissWhite_57:

(Start: 125 @36925 has 115 MA's), (Start: 161 @36916 has 7 MA's), (Start: 172 @36898 has 9 MA's), (224, 36745),

Gene: MkaliMitinis3_32 Start: 28422, Stop: 28688, Start Num: 166

Candidate Starts for MkaliMitinis3_32:

(Start: 166 @28422 has 192 MA's), (Start: 178 @28467 has 6 MA's), (196, 28518), (225, 28584), (249, 28656), (259, 28677),

Gene: Moldemort_38 Start: 32877, Stop: 33122, Start Num: 166

Candidate Starts for Moldemort_38:

(Start: 166 @32877 has 192 MA's), (Start: 184 @32934 has 3 MA's), (195, 32967), (198, 32973), (219, 33027), (225, 33039),

Gene: Mollymur_85 Start: 58104, Stop: 57838, Start Num: 147

Candidate Starts for Mollymur_85:

(Start: 147 @58104 has 13 MA's), (217, 57939), (222, 57924), (242, 57873),

Gene: Monet_65 Start: 43052, Stop: 42786, Start Num: 122

Candidate Starts for Monet_65:

(Start: 120 @43055 has 32 MA's), (Start: 122 @43052 has 105 MA's), (Start: 126 @43040 has 7 MA's), (Start: 170 @43019 has 2 MA's), (185, 42968), (189, 42953), (198, 42932), (205, 42911), (211, 42902), (221, 42872),

Gene: MontyDev_40 Start: 36039, Stop: 36284, Start Num: 159

Candidate Starts for MontyDev_40:

(Start: 124 @35997 has 1 MA's), (Start: 159 @36039 has 15 MA's), (Start: 172 @36060 has 9 MA's), (Start: 176 @36081 has 2 MA's), (Start: 184 @36105 has 3 MA's), (185, 36108), (226, 36207), (227, 36210), (228, 36213), (246, 36264),

Gene: Moostard_31 Start: 28832, Stop: 29053, Start Num: 178

Candidate Starts for Moostard_31:

(Start: 166 @28787 has 192 MA's), (Start: 172 @28799 has 9 MA's), (Start: 178 @28832 has 6 MA's),

Gene: Mosby_36 Start: 32639, Stop: 32884, Start Num: 166

Candidate Starts for Mosby_36:

(Start: 166 @32639 has 192 MA's), (Start: 184 @32696 has 3 MA's), (195, 32729), (198, 32735), (217, 32783), (219, 32789), (225, 32801),

Gene: Moss_36 Start: 22585, Stop: 22851, Start Num: 123

Candidate Starts for Moss_36:

(Start: 123 @22585 has 10 MA's), (132, 22600), (175, 22663), (225, 22783),

Gene: MrGordo_64 Start: 41635, Stop: 41360, Start Num: 122

Candidate Starts for MrGordo_64:

(Start: 120 @41638 has 32 MA's), (Start: 122 @41635 has 105 MA's), (Start: 126 @41623 has 7 MA's), (Start: 170 @41593 has 2 MA's), (185, 41542), (189, 41527), (198, 41506), (211, 41476), (221, 41446), (251, 41371),

Gene: MrMagoo_44 Start: 33882, Stop: 34133, Start Num: 158

Candidate Starts for MrMagoo_44:

(Start: 158 @33882 has 7 MA's), (216, 34026), (217, 34029), (222, 34044), (245, 34098),

Gene: Mryolo_58 Start: 40629, Stop: 40372, Start Num: 129

Candidate Starts for Mryolo_58:

(Start: 129 @40629 has 11 MA's), (Start: 166 @40611 has 192 MA's), (Start: 170 @40605 has 2 MA's), (185, 40554), (189, 40539), (198, 40518), (211, 40488), (221, 40458),

Gene: MsGreen_31 Start: 28784, Stop: 29050, Start Num: 166

Candidate Starts for MsGreen_31:

(Start: 166 @28784 has 192 MA's), (Start: 172 @28796 has 9 MA's), (Start: 178 @28829 has 6 MA's),

Gene: Mudpuppy_33 Start: 24535, Stop: 24777, Start Num: 146

Candidate Starts for Mudpuppy_33:

(37, 24277), (48, 24313), (Start: 146 @24535 has 3 MA's), (222, 24694),

Gene: Mufasa_69 Start: 45652, Stop: 45897, Start Num: 164

Candidate Starts for Mufasa_69:

(112, 45595), (114, 45601), (Start: 164 @45652 has 163 MA's), (195, 45742), (222, 45811), (232, 45835), (256, 45889),

Gene: Mulciber_57 Start: 37323, Stop: 37051, Start Num: 125

Candidate Starts for Mulciber_57:

(Start: 125 @37323 has 115 MA's), (Start: 161 @37314 has 7 MA's), (224, 37143),

Gene: Mule_59 Start: 40467, Stop: 40201, Start Num: 122

Candidate Starts for Mule_59:

(Start: 120 @40470 has 32 MA's), (Start: 122 @40467 has 105 MA's), (Start: 126 @40455 has 7 MA's), (Start: 170 @40434 has 2 MA's), (185, 40383), (189, 40368), (198, 40347), (211, 40317), (221, 40287),

Gene: Munch_58 Start: 37786, Stop: 37514, Start Num: 125

Candidate Starts for Munch_58:

(Start: 125 @37786 has 115 MA's), (Start: 161 @37777 has 7 MA's), (224, 37606),

Gene: Murica_36 Start: 33119, Stop: 33364, Start Num: 166

Candidate Starts for Murica_36:

(Start: 166 @33119 has 192 MA's), (Start: 184 @33176 has 3 MA's), (195, 33209), (198, 33215), (219, 33269), (225, 33281),

Gene: Murphy_38 Start: 33114, Stop: 33359, Start Num: 166

Candidate Starts for Murphy_38:

(Start: 166 @33114 has 192 MA's), (Start: 184 @33171 has 3 MA's), (195, 33204), (198, 33210), (219, 33264), (225, 33276),

Gene: Murucutumbu_68 Start: 44888, Stop: 45130, Start Num: 164

Candidate Starts for Murucutumbu_68:

(Start: 164 @44888 has 163 MA's), (195, 44978), (232, 45074), (242, 45098),

Gene: Musetta_35 Start: 10358, Stop: 10612, Start Num: 167

Candidate Starts for Musetta_35:

(Start: 148 @10343 has 1 MA's), (Start: 167 @10358 has 57 MA's), (179, 10403), (226, 10526),

Gene: Mynx_68 Start: 44234, Stop: 44476, Start Num: 164

Candidate Starts for Mynx_68:

(Start: 164 @44234 has 163 MA's), (195, 44324), (232, 44420), (242, 44444),

Gene: Myrale_37 Start: 32998, Stop: 33243, Start Num: 166

Candidate Starts for Myrale_37:

(Start: 166 @32998 has 192 MA's), (Start: 184 @33055 has 3 MA's), (195, 33088), (198, 33094), (219, 33148), (225, 33160),

Gene: Myrna_77 Start: 30774, Stop: 31019, Start Num: 166

Candidate Starts for Myrna_77:

(Start: 166 @30774 has 192 MA's), (209, 30900),

Gene: Myxus_58 Start: 38225, Stop: 37953, Start Num: 125

Candidate Starts for Myxus_58:

(Start: 125 @38225 has 115 MA's), (Start: 161 @38216 has 7 MA's), (Start: 182 @38159 has 1 MA's), (194, 38123), (209, 38084), (219, 38057), (224, 38045),

Gene: NEHalo_59 Start: 41047, Stop: 40781, Start Num: 122

Candidate Starts for NEHalo_59:

(Start: 120 @41050 has 32 MA's), (Start: 122 @41047 has 105 MA's), (Start: 126 @41035 has 7 MA's), (Start: 170 @41014 has 2 MA's), (185, 40963), (189, 40948), (198, 40927), (211, 40897), (221, 40867), (251, 40792),

Gene: Naiad_45 Start: 34311, Stop: 34015, Start Num: 155

Candidate Starts for Naiad_45:

(Start: 155 @34311 has 37 MA's), (Start: 170 @34293 has 2 MA's), (Start: 172 @34287 has 9 MA's), (211, 34170), (222, 34137), (225, 34131), (249, 34071), (262, 34023),

Gene: Naira_64 Start: 42709, Stop: 42434, Start Num: 122

Candidate Starts for Naira_64:

(Start: 122 @42709 has 105 MA's), (Start: 126 @42697 has 7 MA's), (Start: 170 @42667 has 2 MA's), (185, 42616), (189, 42601), (198, 42580), (205, 42559), (211, 42550), (221, 42520), (251, 42445),

Gene: Naji_60 Start: 38269, Stop: 37997, Start Num: 125

Candidate Starts for Naji_60:

(Start: 125 @38269 has 115 MA's), (Start: 161 @38260 has 7 MA's), (194, 38167), (224, 38089), (245, 38035),

Gene: Nala_37 Start: 33153, Stop: 33398, Start Num: 166

Candidate Starts for Nala_37:

(Start: 166 @33153 has 192 MA's), (Start: 184 @33210 has 3 MA's), (195, 33243), (198, 33249), (219, 33303), (225, 33315),

Gene: Nancinator_46 Start: 34231, Stop: 33935, Start Num: 155

Candidate Starts for Nancinator_46:

(Start: 155 @34231 has 37 MA's), (Start: 170 @34213 has 2 MA's), (Start: 172 @34207 has 9 MA's), (211, 34090), (222, 34057), (225, 34051), (249, 33991), (262, 33943),

Gene: Nanosmite_44 Start: 33715, Stop: 33966, Start Num: 158

Candidate Starts for Nanosmite_44:

(Start: 158 @33715 has 7 MA's), (185, 33778), (195, 33808), (216, 33859),

Gene: Natosaleda_45 Start: 34230, Stop: 33934, Start Num: 155

Candidate Starts for Natosaleda_45:

(Start: 155 @34230 has 37 MA's), (Start: 170 @34212 has 2 MA's), (Start: 172 @34206 has 9 MA's), (211, 34089), (222, 34056), (225, 34050), (249, 33990), (262, 33942),

Gene: Nebulosus_62 Start: 37439, Stop: 37170, Start Num: 154

Candidate Starts for Nebulosus_62:

(14, 37883), (17, 37859), (25, 37781), (Start: 154 @37439 has 21 MA's), (224, 37262), (241, 37223),

Gene: Necrophoxinus_37 Start: 10946, Stop: 11200, Start Num: 167

Candidate Starts for Necrophoxinus_37:

(Start: 148 @10931 has 1 MA's), (Start: 167 @10946 has 57 MA's), (179, 10991), (198, 11042), (204, 11060), (213, 11078),

Gene: Nedarya_60 Start: 37419, Stop: 37150, Start Num: 152

Candidate Starts for Nedarya_60:

(17, 37842), (Start: 152 @37419 has 1 MA's), (Start: 161 @37410 has 7 MA's), (Start: 172 @37392 has 9 MA's), (224, 37239),

Gene: NelitzaMV_37 Start: 33203, Stop: 33448, Start Num: 166

Candidate Starts for NelitzaMV_37:

(Start: 166 @33203 has 192 MA's), (Start: 184 @33260 has 3 MA's), (195, 33293), (198, 33299), (219, 33353), (225, 33365),

Gene: Nенаe_55 Start: 36175, Stop: 36423, Start Num: 153

Candidate Starts for Nенаe_55:

(Start: 153 @36175 has 31 MA's), (Start: 166 @36187 has 192 MA's), (221, 36337), (222, 36340), (251, 36415),

Gene: Nerujay_64 Start: 42393, Stop: 42118, Start Num: 122

Candidate Starts for Nerujay_64:

(Start: 120 @42396 has 32 MA's), (Start: 122 @42393 has 105 MA's), (Start: 126 @42381 has 7 MA's), (Start: 170 @42351 has 2 MA's), (185, 42300), (189, 42285), (198, 42264), (211, 42234), (221, 42204),

Gene: Netyap_32 Start: 28422, Stop: 28688, Start Num: 166

Candidate Starts for Netyap_32:

(Start: 166 @28422 has 192 MA's), (Start: 178 @28467 has 6 MA's), (196, 28518), (225, 28584), (249, 28656), (259, 28677),

Gene: Neville_111 Start: 63902, Stop: 64144, Start Num: 159

Candidate Starts for Neville_111:

(Start: 136 @63872 has 2 MA's), (Start: 159 @63902 has 15 MA's), (194, 63998), (195, 64001), (213, 64037), (224, 64067), (226, 64073), (237, 64112),

Gene: Nibb_69 Start: 43994, Stop: 44221, Start Num: 164

Candidate Starts for Nibb_69:

(Start: 164 @43994 has 163 MA's), (218, 44129), (232, 44165),

Gene: Nicholas_31 Start: 28784, Stop: 29050, Start Num: 166

Candidate Starts for Nicholas_31:

(Start: 166 @28784 has 192 MA's), (Start: 172 @28796 has 9 MA's), (Start: 178 @28829 has 6 MA's),

Gene: Nicholasp3_32 Start: 28424, Stop: 28690, Start Num: 166

Candidate Starts for Nicholasp3_32:

(Start: 166 @28424 has 192 MA's), (Start: 178 @28469 has 6 MA's), (196, 28520), (225, 28586), (249, 28658), (259, 28679),

Gene: Nicky22_37 Start: 25941, Stop: 26183, Start Num: 168

Candidate Starts for Nicky22_37:

(Start: 168 @25941 has 57 MA's), (255, 26175),

Gene: NihilNomen_51 Start: 44218, Stop: 44466, Start Num: 167

Candidate Starts for NihilNomen_51:

(Start: 167 @44218 has 57 MA's), (214, 44350),

Gene: Nikao_58 Start: 43554, Stop: 43799, Start Num: 164

Candidate Starts for Nikao_58:

(109, 43482), (Start: 164 @43554 has 163 MA's), (201, 43659), (218, 43701), (232, 43737),

Gene: Niklas_69 Start: 44184, Stop: 44423, Start Num: 164

Candidate Starts for Niklas_69:

(Start: 164 @44184 has 163 MA's), (195, 44274), (211, 44310), (217, 44328), (242, 44391),

Gene: Nilo_41 Start: 36395, Stop: 36640, Start Num: 159

Candidate Starts for Nilo_41:

(Start: 124 @36353 has 1 MA's), (Start: 159 @36395 has 15 MA's), (Start: 172 @36416 has 9 MA's), (Start: 176 @36437 has 2 MA's), (185, 36464), (226, 36563), (227, 36566), (228, 36569), (246, 36620),

Gene: Nimrod_37 Start: 33377, Stop: 33622, Start Num: 166

Candidate Starts for Nimrod_37:

(Start: 166 @33377 has 192 MA's), (Start: 184 @33434 has 3 MA's), (195, 33467), (198, 33473), (219, 33527), (225, 33539),

Gene: Niobe_34 Start: 26608, Stop: 26865, Start Num: 165

Candidate Starts for Niobe_34:

(37, 26371), (39, 26380), (Start: 165 @26608 has 7 MA's), (179, 26656), (224, 26773),

Gene: Nitro_33 Start: 25923, Stop: 26186, Start Num: 145

Candidate Starts for Nitro_33:

(Start: 145 @25923 has 23 MA's), (222, 26103),

Gene: Niza_64 Start: 43063, Stop: 42797, Start Num: 122

Candidate Starts for Niza_64:

(Start: 120 @43066 has 32 MA's), (Start: 122 @43063 has 105 MA's), (Start: 126 @43051 has 7 MA's), (Start: 170 @43030 has 2 MA's), (185, 42979), (189, 42964), (198, 42943), (211, 42913), (221, 42883), (251, 42808),

Gene: NoSleep_38 Start: 32874, Stop: 33119, Start Num: 166

Candidate Starts for NoSleep_38:

(Start: 166 @32874 has 192 MA's), (Start: 184 @32931 has 3 MA's), (195, 32964), (198, 32970), (219, 33024), (225, 33036),

Gene: Norvs_124 Start: 71047, Stop: 71340, Start Num: 147

Candidate Starts for Norvs_124:

(Start: 147 @71047 has 13 MA's), (Start: 176 @71095 has 2 MA's), (221, 71224),

Gene: Norz_62 Start: 43480, Stop: 43214, Start Num: 122

Candidate Starts for Norz_62:

(Start: 120 @43483 has 32 MA's), (Start: 122 @43480 has 105 MA's), (Start: 126 @43468 has 7 MA's), (Start: 170 @43447 has 2 MA's), (185, 43396), (189, 43381), (198, 43360), (211, 43330), (221, 43300),

Gene: NothingSpecial_56 Start: 38807, Stop: 38535, Start Num: 125

Candidate Starts for NothingSpecial_56:

(Start: 125 @38807 has 115 MA's), (Start: 170 @38786 has 2 MA's), (Start: 172 @38780 has 9 MA's), (180, 38744), (195, 38702), (199, 38693), (213, 38657), (224, 38627), (230, 38618), (231, 38615),

Gene: Nutello_55 Start: 40941, Stop: 41186, Start Num: 164

Candidate Starts for Nutello_55:

(109, 40869), (Start: 164 @40941 has 163 MA's), (201, 41046), (218, 41088), (232, 41124),

Gene: ObiToo_36 Start: 25276, Stop: 25518, Start Num: 146

Candidate Starts for ObiToo_36:

(37, 25018), (48, 25054), (Start: 146 @25276 has 3 MA's),

Gene: Octobien14_110 Start: 61808, Stop: 62044, Start Num: 159

Candidate Starts for Octobien14_110:

(Start: 159 @61808 has 15 MA's), (Start: 172 @61823 has 9 MA's), (189, 61886), (195, 61901), (213, 61937), (237, 62012),

Gene: Odette_52 Start: 43439, Stop: 43684, Start Num: 167

Candidate Starts for Odette_52:

(Start: 167 @43439 has 57 MA's), (185, 43502), (195, 43532), (196, 43535), (222, 43595), (224, 43598), (225, 43601),

Gene: Odin_56 Start: 37328, Stop: 37056, Start Num: 125

Candidate Starts for Odin_56:

(Start: 125 @37328 has 115 MA's), (Start: 172 @37301 has 9 MA's), (213, 37178), (217, 37166),

Gene: OhShagHennessy_30 Start: 27655, Stop: 27924, Start Num: 166

Candidate Starts for OhShagHennessy_30:

(Start: 166 @27655 has 192 MA's), (Start: 178 @27700 has 6 MA's), (221, 27808),

Gene: Ohno789_62 Start: 41791, Stop: 41525, Start Num: 122

Candidate Starts for Ohno789_62:

(Start: 122 @41791 has 105 MA's), (Start: 126 @41779 has 7 MA's), (Start: 166 @41764 has 192 MA's), (Start: 170 @41758 has 2 MA's), (185, 41707), (189, 41692), (198, 41671), (211, 41641), (221, 41611), (251, 41536),

Gene: OkiRoe_61 Start: 42847, Stop: 43095, Start Num: 164

Candidate Starts for OkiRoe_61:

(Start: 164 @42847 has 163 MA's), (186, 42910),

Gene: OlinDD_28 Start: 9180, Stop: 9434, Start Num: 167

Candidate Starts for OlinDD_28:

(131, 9132), (Start: 153 @9165 has 31 MA's), (Start: 167 @9180 has 57 MA's), (179, 9225), (192, 9261), (226, 9348),

Gene: Olliecat_34 Start: 24245, Stop: 24484, Start Num: 168

Candidate Starts for Olliecat_34:

(10, 23624), (32, 23930), (Start: 168 @24245 has 57 MA's),

Gene: Omega_56 Start: 45262, Stop: 45501, Start Num: 172

Candidate Starts for Omega_56:

(Start: 172 @45262 has 9 MA's), (Start: 177 @45289 has 1 MA's), (195, 45343), (196, 45346), (221, 45403), (232, 45439),

Gene: Omnicron_64 Start: 42953, Stop: 43201, Start Num: 164

Candidate Starts for Omnicron_64:

(Start: 164 @42953 has 163 MA's), (179, 42998),

Gene: OneUp_110 Start: 69312, Stop: 69614, Start Num: 141

Candidate Starts for OneUp_110:

(Start: 141 @69312 has 2 MA's), (Start: 149 @69324 has 7 MA's), (219, 69492),

Gene: Onyinye_53 Start: 39601, Stop: 39356, Start Num: 164

Candidate Starts for Onyinye_53:

(Start: 164 @39601 has 163 MA's), (185, 39541), (194, 39514), (211, 39475), (219, 39451), (221, 39445), (224, 39439), (231, 39415),

Gene: Oofda_65 Start: 37642, Stop: 37373, Start Num: 154

Candidate Starts for Oofda_65:

(Start: 154 @37642 has 21 MA's), (224, 37465),

Gene: Oogway_61 Start: 42078, Stop: 41827, Start Num: 154

Candidate Starts for Oogway_61:

(Start: 120 @42126 has 32 MA's), (Start: 122 @42123 has 105 MA's), (Start: 126 @42111 has 7 MA's), (Start: 154 @42078 has 21 MA's), (Start: 170 @42060 has 2 MA's), (185, 42009), (189, 41994), (198, 41973), (211, 41943), (221, 41913), (251, 41838),

Gene: Optimus_57 Start: 45133, Stop: 45381, Start Num: 167

Candidate Starts for Optimus_57:

(Start: 167 @45133 has 57 MA's), (214, 45265),

Gene: Orange_57 Start: 37335, Stop: 37063, Start Num: 125

Candidate Starts for Orange_57:

(Start: 125 @37335 has 115 MA's), (Start: 161 @37326 has 7 MA's), (224, 37155),

Gene: OrionPax_38 Start: 32880, Stop: 33125, Start Num: 166

Candidate Starts for OrionPax_38:

(Start: 166 @32880 has 192 MA's), (Start: 184 @32937 has 3 MA's), (195, 32970), (198, 32976), (219, 33030), (225, 33042),

Gene: Oscar_70 Start: 44198, Stop: 44425, Start Num: 164

Candidate Starts for Oscar_70:

(Start: 164 @44198 has 163 MA's), (205, 44315), (218, 44333),

Gene: PSullivan_60 Start: 39680, Stop: 39405, Start Num: 122

Candidate Starts for PSullivan_60:

(Start: 120 @39683 has 32 MA's), (Start: 122 @39680 has 105 MA's), (Start: 126 @39668 has 7 MA's), (Start: 170 @39638 has 2 MA's), (185, 39587), (189, 39572), (198, 39551), (211, 39521), (221, 39491),

Gene: PacerPaul_61 Start: 41105, Stop: 40827, Start Num: 120

Candidate Starts for PacerPaul_61:

(Start: 120 @41105 has 32 MA's), (Start: 122 @41102 has 105 MA's), (Start: 126 @41090 has 7 MA's), (Start: 170 @41060 has 2 MA's), (185, 41009), (189, 40994), (198, 40973), (211, 40943), (221, 40913),

Gene: PackMan_57 Start: 38225, Stop: 37953, Start Num: 125

Candidate Starts for PackMan_57:

(Start: 125 @38225 has 115 MA's), (Start: 161 @38216 has 7 MA's), (Start: 182 @38159 has 1 MA's), (194, 38123), (209, 38084), (219, 38057), (224, 38045),

Gene: Padfoot_66 Start: 43819, Stop: 44061, Start Num: 164

Candidate Starts for Padfoot_66:

(Start: 164 @43819 has 163 MA's), (195, 43909), (232, 44005), (242, 44029),

Gene: Padpat_69 Start: 43939, Stop: 44181, Start Num: 164

Candidate Starts for Padpat_69:

(Start: 164 @43939 has 163 MA's), (195, 44029), (232, 44125), (242, 44149),

Gene: PainterBoy_59 Start: 38298, Stop: 38026, Start Num: 127

Candidate Starts for PainterBoy_59:

(91, 38367), (Start: 127 @38298 has 9 MA's), (Start: 161 @38289 has 7 MA's), (194, 38196), (213, 38148), (219, 38130), (224, 38118),

Gene: Palpatine_37 Start: 33149, Stop: 33394, Start Num: 166

Candidate Starts for Palpatine_37:

(Start: 166 @33149 has 192 MA's), (Start: 184 @33206 has 3 MA's), (195, 33239), (198, 33245), (219, 33299), (225, 33311),

Gene: Panchino_48 Start: 35810, Stop: 36058, Start Num: 153

Candidate Starts for Panchino_48:

(64, 35636), (105, 35732), (Start: 153 @35810 has 31 MA's), (Start: 166 @35822 has 192 MA's), (195, 35906), (221, 35972), (222, 35975),

Gene: Paola_60 Start: 42432, Stop: 42680, Start Num: 164

Candidate Starts for Paola_60:

(Start: 164 @42432 has 163 MA's), (189, 42507), (218, 42579),

Gene: Paperbeatsrock_39 Start: 34115, Stop: 34360, Start Num: 166

Candidate Starts for Paperbeatsrock_39:

(Start: 166 @34115 has 192 MA's), (Start: 184 @34172 has 3 MA's), (195, 34205), (198, 34211), (219, 34265), (225, 34277),

Gene: Papez_64 Start: 42624, Stop: 42355, Start Num: 120

Candidate Starts for Papez_64:

(Start: 120 @42624 has 32 MA's), (Start: 122 @42621 has 105 MA's), (Start: 126 @42609 has 7 MA's), (Start: 170 @42588 has 2 MA's), (185, 42537), (189, 42522), (198, 42501), (211, 42471), (221, 42441),

Gene: Papyrus_40 Start: 36054, Stop: 36299, Start Num: 159

Candidate Starts for Papyrus_40:

(Start: 124 @36012 has 1 MA's), (Start: 159 @36054 has 15 MA's), (Start: 172 @36075 has 9 MA's), (Start: 176 @36096 has 2 MA's), (Start: 184 @36120 has 3 MA's), (185, 36123), (226, 36222), (227, 36225), (228, 36228),

Gene: Paraselene_60 Start: 41399, Stop: 41133, Start Num: 122

Candidate Starts for Paraselene_60:

(Start: 120 @41402 has 32 MA's), (Start: 122 @41399 has 105 MA's), (Start: 126 @41387 has 7 MA's), (Start: 170 @41366 has 2 MA's), (185, 41315), (189, 41300), (198, 41279), (211, 41249), (221, 41219), (251, 41144),

Gene: Pari_65 Start: 40809, Stop: 40543, Start Num: 122

Candidate Starts for Pari_65:

(Start: 120 @40812 has 32 MA's), (Start: 122 @40809 has 105 MA's), (Start: 126 @40797 has 7 MA's), (140, 40782), (Start: 170 @40776 has 2 MA's), (185, 40725), (189, 40710), (198, 40689), (211, 40659), (221, 40629), (251, 40554),

Gene: Parmesanjohn_50 Start: 34925, Stop: 35173, Start Num: 153

Candidate Starts for Parmesanjohn_50:

(19, 34511), (54, 34718), (64, 34751), (105, 34847), (Start: 153 @34925 has 31 MA's), (Start: 166 @34937 has 192 MA's), (Start: 170 @34943 has 2 MA's), (195, 35021), (221, 35087), (222, 35090),

Gene: Partridge_45 Start: 34587, Stop: 34291, Start Num: 155

Candidate Starts for Partridge_45:

(Start: 155 @34587 has 37 MA's), (Start: 172 @34563 has 9 MA's), (209, 34449), (211, 34446), (222, 34413), (225, 34407), (249, 34347), (262, 34299),

Gene: PascalRango_60 Start: 40921, Stop: 40646, Start Num: 122

Candidate Starts for PascalRango_60:

(Start: 120 @40924 has 32 MA's), (Start: 122 @40921 has 105 MA's), (Start: 126 @40909 has 7 MA's), (Start: 170 @40879 has 2 MA's), (185, 40828), (189, 40813), (198, 40792), (211, 40762), (221, 40732),

Gene: Pat3_36 Start: 31861, Stop: 32106, Start Num: 166

Candidate Starts for Pat3_36:

(Start: 166 @31861 has 192 MA's), (Start: 184 @31918 has 3 MA's), (195, 31951), (198, 31957), (217, 32005), (219, 32011), (225, 32023),

Gene: Patbob_109 Start: 87222, Stop: 87470, Start Num: 166

Candidate Starts for Patbob_109:

(Start: 166 @87222 has 192 MA's), (Start: 170 @87228 has 2 MA's), (Start: 172 @87234 has 9 MA's),

Gene: PattyP_64 Start: 42323, Stop: 42045, Start Num: 120

Candidate Starts for PattyP_64:

(Start: 120 @42323 has 32 MA's), (Start: 122 @42320 has 105 MA's), (Start: 126 @42308 has 7 MA's), (Start: 170 @42278 has 2 MA's), (185, 42227), (189, 42212), (198, 42191), (211, 42161), (221, 42131),

Gene: PauloDiaboli_20 Start: 7036, Stop: 7266, Start Num: 169

Candidate Starts for PauloDiaboli_20:

(Start: 169 @7036 has 7 MA's), (190, 7108), (206, 7150), (240, 7237), (245, 7255),

Gene: PauloDiaboli_218 Start: 116530, Stop: 116276, Start Num: 166

Candidate Starts for PauloDiaboli_218:

(Start: 166 @116530 has 192 MA's), (204, 116416), (217, 116389),

Gene: PauloDiaboli_375 Start: 183665, Stop: 183895, Start Num: 169

Candidate Starts for PauloDiaboli_375:

(Start: 169 @183665 has 7 MA's), (190, 183737), (206, 183779), (240, 183866), (245, 183884),

Gene: Pavlo_29 Start: 9536, Stop: 9784, Start Num: 167

Candidate Starts for Pavlo_29:

(Start: 136 @9497 has 2 MA's), (Start: 167 @9536 has 57 MA's), (179, 9581), (192, 9617), (247, 9764),

Gene: Payneful_58 Start: 40589, Stop: 40314, Start Num: 122

Candidate Starts for Payneful_58:

(Start: 120 @40592 has 32 MA's), (Start: 122 @40589 has 105 MA's), (Start: 126 @40577 has 7 MA's), (Start: 170 @40547 has 2 MA's), (185, 40496), (189, 40481), (198, 40460), (205, 40439), (211, 40430), (221, 40400),

Gene: Peanam_69 Start: 44141, Stop: 44380, Start Num: 164

Candidate Starts for Peanam_69:

(Start: 164 @44141 has 163 MA's), (195, 44231), (211, 44267), (217, 44285), (242, 44348),

Gene: Peel_66 Start: 43624, Stop: 43866, Start Num: 164

Candidate Starts for Peel_66:

(Start: 164 @43624 has 163 MA's), (195, 43714), (232, 43810), (242, 43834),

Gene: PegLeg_39 Start: 32761, Stop: 33039, Start Num: 144

Candidate Starts for PegLeg_39:

(82, 32650), (Start: 144 @32761 has 11 MA's), (Start: 160 @32779 has 9 MA's), (185, 32842), (218, 32929), (221, 32938), (225, 32947),

Gene: Pelly_62 Start: 43135, Stop: 42869, Start Num: 122

Candidate Starts for Pelly_62:

(Start: 120 @43138 has 32 MA's), (Start: 122 @43135 has 105 MA's), (Start: 126 @43123 has 7 MA's), (Start: 170 @43102 has 2 MA's), (185, 43051), (189, 43036), (198, 43015), (211, 42985), (221, 42955), (251, 42880),

Gene: Pepe_60 Start: 40251, Stop: 39985, Start Num: 122

Candidate Starts for Pepe_60:

(Start: 120 @40254 has 32 MA's), (Start: 122 @40251 has 105 MA's), (Start: 126 @40239 has 7 MA's), (140, 40224), (Start: 170 @40218 has 2 MA's), (185, 40167), (189, 40152), (211, 40101), (221, 40071),

Gene: Percival_43 Start: 28266, Stop: 28523, Start Num: 123

Candidate Starts for Percival_43:

(65, 28155), (66, 28158), (Start: 123 @28266 has 10 MA's), (Start: 170 @28320 has 2 MA's), (217, 28446), (222, 28458), (227, 28470),

Gene: Perseus_61 Start: 42872, Stop: 42606, Start Num: 122

Candidate Starts for Perseus_61:

(Start: 120 @42875 has 32 MA's), (Start: 122 @42872 has 105 MA's), (Start: 126 @42860 has 7 MA's), (Start: 170 @42839 has 2 MA's), (185, 42788), (189, 42773), (198, 42752), (211, 42722), (221, 42692),

Gene: Petersenfast_56 Start: 37334, Stop: 37062, Start Num: 125

Candidate Starts for Petersenfast_56:

(Start: 125 @37334 has 115 MA's), (Start: 161 @37325 has 7 MA's), (224, 37154),

Gene: Peterson_66 Start: 43632, Stop: 43366, Start Num: 122

Candidate Starts for Peterson_66:

(Start: 122 @43632 has 105 MA's), (Start: 126 @43620 has 7 MA's), (Start: 170 @43599 has 2 MA's), (185, 43548), (189, 43533), (198, 43512), (211, 43482), (221, 43452), (251, 43377),

Gene: Petra64142_39 Start: 33595, Stop: 33840, Start Num: 166

Candidate Starts for Petra64142_39:

(Start: 166 @33595 has 192 MA's), (Start: 184 @33652 has 3 MA's), (195, 33685), (198, 33691), (219, 33745), (225, 33757),

Gene: Petruccio_62 Start: 40710, Stop: 40435, Start Num: 122

Candidate Starts for Petruccio_62:

(Start: 120 @40713 has 32 MA's), (Start: 122 @40710 has 105 MA's), (Start: 126 @40698 has 7 MA's), (Start: 170 @40668 has 2 MA's), (185, 40617), (189, 40602), (198, 40581), (211, 40551), (221, 40521), (251, 40446),

Gene: Ph8s_59 Start: 37685, Stop: 37413, Start Num: 125

Candidate Starts for Ph8s_59:

(Start: 125 @37685 has 115 MA's), (180, 37622), (198, 37574), (213, 37535), (217, 37523), (224, 37505),

Gene: Phabba_83 Start: 30849, Stop: 31100, Start Num: 166
Candidate Starts for Phabba_83:
(Start: 166 @30849 has 192 MA's), (179, 30894), (209, 30975),

Gene: Phaeder_58 Start: 38225, Stop: 37953, Start Num: 125
Candidate Starts for Phaeder_58:
(Start: 125 @38225 has 115 MA's), (Start: 161 @38216 has 7 MA's), (Start: 182 @38159 has 1 MA's),
(194, 38123), (209, 38084), (219, 38057), (224, 38045),

Gene: PhailMary_45 Start: 34620, Stop: 34324, Start Num: 155
Candidate Starts for PhailMary_45:
(Start: 155 @34620 has 37 MA's), (Start: 170 @34602 has 2 MA's), (Start: 172 @34596 has 9 MA's),
(185, 34548), (211, 34479), (222, 34446), (225, 34440), (249, 34380), (262, 34332),

Gene: Phaja_37 Start: 33368, Stop: 33556, Start Num: 184
Candidate Starts for Phaja_37:
(Start: 166 @33311 has 192 MA's), (Start: 184 @33368 has 3 MA's), (195, 33401), (198, 33407), (219,
33461), (225, 33473),

Gene: PhancyPhin_55 Start: 36169, Stop: 36417, Start Num: 153
Candidate Starts for PhancyPhin_55:
(Start: 153 @36169 has 31 MA's), (Start: 166 @36181 has 192 MA's), (221, 36331), (222, 36334),
(251, 36409),

Gene: Pharaoh_53 Start: 38271, Stop: 37999, Start Num: 125
Candidate Starts for Pharaoh_53:
(45, 38472), (Start: 125 @38271 has 115 MA's), (Start: 161 @38262 has 7 MA's), (Start: 170 @38250
has 2 MA's), (180, 38208), (194, 38169), (213, 38121), (219, 38103), (224, 38091), (230, 38082),

Gene: Pharb_67 Start: 43448, Stop: 43690, Start Num: 164
Candidate Starts for Pharb_67:
(Start: 164 @43448 has 163 MA's), (Start: 176 @43481 has 2 MA's), (195, 43538), (222, 43610),

Gene: Pharsalus_38 Start: 33915, Stop: 34160, Start Num: 166
Candidate Starts for Pharsalus_38:
(Start: 166 @33915 has 192 MA's), (Start: 184 @33972 has 3 MA's), (195, 34005), (198, 34011), (219,
34065), (225, 34077),

Gene: PhatBacter_37 Start: 33163, Stop: 33408, Start Num: 166
Candidate Starts for PhatBacter_37:
(Start: 166 @33163 has 192 MA's), (Start: 184 @33220 has 3 MA's), (195, 33253), (198, 33259), (219,
33313), (225, 33325),

Gene: Phaux_36 Start: 33161, Stop: 33406, Start Num: 166
Candidate Starts for Phaux_36:
(Start: 166 @33161 has 192 MA's), (Start: 184 @33218 has 3 MA's), (195, 33251), (198, 33257), (219,
33311), (225, 33323),

Gene: PhelpsODU_68 Start: 43391, Stop: 43630, Start Num: 164
Candidate Starts for PhelpsODU_68:
(Start: 164 @43391 has 163 MA's), (Start: 170 @43400 has 2 MA's), (195, 43481), (222, 43550),

Gene: PherrisBueller_61 Start: 39865, Stop: 39599, Start Num: 122

Candidate Starts for PherrisBueller_61:

(Start: 122 @39865 has 105 MA's), (Start: 126 @39853 has 7 MA's), (Start: 166 @39838 has 192 MA's), (Start: 170 @39832 has 2 MA's), (185, 39781), (189, 39766), (198, 39745), (211, 39715), (221, 39685), (251, 39610),

Gene: PhillyPhilly_30 Start: 9402, Stop: 9689, Start Num: 136

Candidate Starts for PhillyPhilly_30:

(Start: 136 @9402 has 2 MA's), (Start: 167 @9441 has 57 MA's), (179, 9486), (192, 9522), (247, 9669),

Gene: PhinkBoden_125 Start: 71915, Stop: 72205, Start Num: 149

Candidate Starts for PhinkBoden_125:

(88, 71807), (96, 71822), (Start: 121 @71867 has 1 MA's), (Start: 149 @71915 has 7 MA's), (Start: 176 @71960 has 2 MA's), (221, 72089),

Gene: Phisb_37 Start: 25535, Stop: 25777, Start Num: 168

Candidate Starts for Phisb_37:

(85, 25406), (97, 25427), (104, 25439), (106, 25442), (111, 25451), (113, 25454), (Start: 160 @25526 has 9 MA's), (Start: 168 @25535 has 57 MA's), (217, 25676),

Gene: Phives_35 Start: 26643, Stop: 26906, Start Num: 145

Candidate Starts for Phives_35:

(37, 26406), (41, 26415), (Start: 145 @26643 has 23 MA's),

Gene: Phlei_47 Start: 37907, Stop: 37635, Start Num: 127

Candidate Starts for Phlei_47:

(Start: 127 @37907 has 9 MA's), (Start: 161 @37898 has 7 MA's), (198, 37796), (213, 37757), (214, 37754), (245, 37673),

Gene: Phloss_48 Start: 34332, Stop: 34580, Start Num: 153

Candidate Starts for Phloss_48:

(19, 33918), (54, 34125), (64, 34158), (105, 34254), (Start: 153 @34332 has 31 MA's), (Start: 166 @34344 has 192 MA's), (Start: 170 @34350 has 2 MA's), (195, 34428), (221, 34494), (222, 34497),

Gene: Phoebus_51 Start: 44419, Stop: 44667, Start Num: 167

Candidate Starts for Phoebus_51:

(Start: 167 @44419 has 57 MA's), (214, 44551),

Gene: Phonnegut_58 Start: 38322, Stop: 38050, Start Num: 125

Candidate Starts for Phonnegut_58:

(Start: 125 @38322 has 115 MA's), (Start: 161 @38313 has 7 MA's), (Start: 182 @38256 has 1 MA's), (194, 38220), (209, 38181), (219, 38154), (224, 38142),

Gene: Phrank_70 Start: 43454, Stop: 43693, Start Num: 164

Candidate Starts for Phrank_70:

(106, 43370), (Start: 164 @43454 has 163 MA's), (Start: 170 @43463 has 2 MA's), (195, 43544), (217, 43598),

Gene: Phrankenstein_46 Start: 34244, Stop: 33948, Start Num: 155

Candidate Starts for Phrankenstein_46:

(Start: 155 @34244 has 37 MA's), (Start: 170 @34226 has 2 MA's), (Start: 172 @34220 has 9 MA's), (211, 34103), (222, 34070), (225, 34064), (249, 34004), (262, 33956),

Gene: Phrann_52 Start: 36452, Stop: 36700, Start Num: 153

Candidate Starts for Phrann_52:

(Start: 153 @36452 has 31 MA's), (Start: 166 @36464 has 192 MA's), (221, 36614), (222, 36617), (251, 36692),

Gene: PhrostyMug_62 Start: 42644, Stop: 42375, Start Num: 120

Candidate Starts for PhrostyMug_62:

(Start: 120 @42644 has 32 MA's), (Start: 122 @42641 has 105 MA's), (Start: 126 @42629 has 7 MA's), (Start: 170 @42608 has 2 MA's), (185, 42557), (189, 42542), (198, 42521), (211, 42491), (221, 42461),

Gene: Phrux_37 Start: 32876, Stop: 33121, Start Num: 166

Candidate Starts for Phrux_37:

(Start: 166 @32876 has 192 MA's), (Start: 184 @32933 has 3 MA's), (195, 32966), (198, 32972), (219, 33026), (225, 33038),

Gene: Piatt_66 Start: 43819, Stop: 44061, Start Num: 164

Candidate Starts for Piatt_66:

(Start: 164 @43819 has 163 MA's), (195, 43909), (232, 44005), (242, 44029),

Gene: PinkPlastic_62 Start: 41194, Stop: 40919, Start Num: 122

Candidate Starts for PinkPlastic_62:

(Start: 120 @41197 has 32 MA's), (Start: 122 @41194 has 105 MA's), (Start: 126 @41182 has 7 MA's), (Start: 170 @41152 has 2 MA's), (185, 41101), (189, 41086), (198, 41065), (211, 41035), (221, 41005), (251, 40930),

Gene: Pinto_62 Start: 40971, Stop: 40705, Start Num: 119

Candidate Starts for Pinto_62:

(Start: 119 @40971 has 6 MA's), (Start: 126 @40959 has 7 MA's), (Start: 170 @40938 has 2 MA's), (185, 40887), (189, 40872), (198, 40851), (211, 40821), (221, 40791), (251, 40716),

Gene: Pioneer_58 Start: 38322, Stop: 38050, Start Num: 125

Candidate Starts for Pioneer_58:

(Start: 125 @38322 has 115 MA's), (Start: 161 @38313 has 7 MA's), (Start: 182 @38256 has 1 MA's), (194, 38220), (209, 38181), (219, 38154), (224, 38142),

Gene: Pioneer3_28 Start: 9179, Stop: 9433, Start Num: 167

Candidate Starts for Pioneer3_28:

(131, 9131), (Start: 153 @9164 has 31 MA's), (Start: 167 @9179 has 57 MA's), (179, 9224), (192, 9260), (226, 9347),

Gene: Pippin_62 Start: 40576, Stop: 40307, Start Num: 120

Candidate Starts for Pippin_62:

(Start: 120 @40576 has 32 MA's), (Start: 122 @40573 has 105 MA's), (Start: 126 @40561 has 7 MA's), (Start: 170 @40540 has 2 MA's), (185, 40489), (189, 40474), (198, 40453), (211, 40423), (221, 40393),

Gene: Pipsqueaks_50 Start: 34902, Stop: 35150, Start Num: 153

Candidate Starts for Pipsqueaks_50:

(19, 34488), (54, 34695), (64, 34728), (105, 34824), (Start: 153 @34902 has 31 MA's), (Start: 166 @34914 has 192 MA's), (Start: 170 @34920 has 2 MA's), (195, 34998), (221, 35064), (222, 35067),

Gene: Pita2_63 Start: 41180, Stop: 40902, Start Num: 120

Candidate Starts for Pita2_63:

(Start: 120 @41180 has 32 MA's), (Start: 122 @41177 has 105 MA's), (Start: 126 @41165 has 7 MA's), (Start: 170 @41135 has 2 MA's), (185, 41084), (189, 41069), (198, 41048), (211, 41018), (221, 40988),

Gene: Pitbull_57 Start: 33370, Stop: 33633, Start Num: 162

Candidate Starts for Pitbull_57:

(115, 33298), (162, 33370), (218, 33526), (220, 33532), (224, 33541), (245, 33598),

Gene: Pixelle_34 Start: 26398, Stop: 26640, Start Num: 146

Candidate Starts for Pixelle_34:

(Start: 146 @26398 has 3 MA's),

Gene: Pixie_67 Start: 43623, Stop: 43865, Start Num: 164

Candidate Starts for Pixie_67:

(Start: 164 @43623 has 163 MA's), (Start: 176 @43656 has 2 MA's), (195, 43713), (205, 43740), (218, 43773), (222, 43785),

Gene: Platte_28 Start: 8949, Stop: 9203, Start Num: 167

Candidate Starts for Platte_28:

(131, 8901), (Start: 153 @8934 has 31 MA's), (Start: 167 @8949 has 57 MA's), (179, 8994), (192, 9030), (226, 9117),

Gene: Pokerus_66 Start: 43964, Stop: 44206, Start Num: 164

Candidate Starts for Pokerus_66:

(Start: 164 @43964 has 163 MA's), (195, 44054), (232, 44150), (242, 44174),

Gene: Policronamos_38 Start: 33161, Stop: 33406, Start Num: 166

Candidate Starts for Policronamos_38:

(Start: 166 @33161 has 192 MA's), (Start: 184 @33218 has 3 MA's), (195, 33251), (198, 33257), (219, 33311), (225, 33323),

Gene: Pollywog_85 Start: 50811, Stop: 51077, Start Num: 119

Candidate Starts for Pollywog_85:

(Start: 119 @50811 has 6 MA's), (Start: 126 @50823 has 7 MA's), (Start: 170 @50844 has 2 MA's), (185, 50895), (189, 50910), (198, 50931), (205, 50952), (211, 50961), (221, 50991), (251, 51066),

Gene: Pomar16_60 Start: 38309, Stop: 38037, Start Num: 125

Candidate Starts for Pomar16_60:

(Start: 125 @38309 has 115 MA's), (Start: 161 @38300 has 7 MA's), (194, 38207), (224, 38129), (245, 38075),

Gene: Porcelain_50 Start: 40623, Stop: 40862, Start Num: 172

Candidate Starts for Porcelain_50:

(Start: 172 @40623 has 9 MA's), (Start: 177 @40650 has 1 MA's), (195, 40704), (196, 40707), (221, 40764), (232, 40800),

Gene: Porky_37 Start: 32972, Stop: 33217, Start Num: 166

Candidate Starts for Porky_37:

(Start: 166 @32972 has 192 MA's), (Start: 184 @33029 has 3 MA's), (195, 33062), (198, 33068), (219, 33122), (225, 33134),

Gene: Pound_54 Start: 45996, Stop: 46244, Start Num: 167

Candidate Starts for Pound_54:
(Start: 167 @45996 has 57 MA's), (214, 46128),

Gene: Power_57 Start: 38477, Stop: 38205, Start Num: 125
Candidate Starts for Power_57:
(Start: 125 @38477 has 115 MA's), (Start: 161 @38468 has 7 MA's), (Start: 170 @38456 has 2 MA's),
(Start: 172 @38450 has 9 MA's), (213, 38327),

Gene: Powerpuff_35 Start: 25868, Stop: 26110, Start Num: 145
Candidate Starts for Powerpuff_35:
(Start: 145 @25868 has 23 MA's), (222, 26027),

Gene: Prithvi_68 Start: 44110, Stop: 44352, Start Num: 164
Candidate Starts for Prithvi_68:
(Start: 164 @44110 has 163 MA's), (195, 44200), (232, 44296),

Gene: Priya_58 Start: 38292, Stop: 38020, Start Num: 125
Candidate Starts for Priya_58:
(Start: 125 @38292 has 115 MA's), (Start: 161 @38283 has 7 MA's), (Start: 182 @38226 has 1 MA's),
(194, 38190), (209, 38151), (219, 38124), (224, 38112),

Gene: Psycho_60 Start: 41080, Stop: 41328, Start Num: 164
Candidate Starts for Psycho_60:
(Start: 164 @41080 has 163 MA's), (189, 41155), (218, 41227),

Gene: Pumpernickel_201 Start: 115898, Stop: 115641, Start Num: 166
Candidate Starts for Pumpernickel_201:
(Start: 166 @115898 has 192 MA's), (217, 115754), (222, 115739),

Gene: Pumpkin_39 Start: 33212, Stop: 33457, Start Num: 166
Candidate Starts for Pumpkin_39:
(Start: 166 @33212 has 192 MA's), (Start: 184 @33269 has 3 MA's), (195, 33302), (198, 33308), (219,
33362), (225, 33374),

Gene: Pumpkins_33 Start: 25496, Stop: 25762, Start Num: 145
Candidate Starts for Pumpkins_33:
(Start: 145 @25496 has 23 MA's), (222, 25679),

Gene: Pupper_77 Start: 28936, Stop: 29202, Start Num: 161
Candidate Starts for Pupper_77:
(Start: 161 @28936 has 7 MA's), (Start: 178 @28984 has 6 MA's), (224, 29104), (245, 29164),

Gene: Purgamenstris_55 Start: 36173, Stop: 36421, Start Num: 153
Candidate Starts for Purgamenstris_55:
(Start: 153 @36173 has 31 MA's), (Start: 166 @36185 has 192 MA's), (221, 36335), (222, 36338),
(251, 36413),

Gene: QMacho_38 Start: 25959, Stop: 26201, Start Num: 168
Candidate Starts for QMacho_38:
(Start: 168 @25959 has 57 MA's), (255, 26193),

Gene: QTRlifeCrisis_62 Start: 41518, Stop: 41243, Start Num: 122
Candidate Starts for QTRlifeCrisis_62:

(Start: 120 @41521 has 32 MA's), (Start: 122 @41518 has 105 MA's), (Start: 126 @41506 has 7 MA's), (Start: 170 @41476 has 2 MA's), (185, 41425), (189, 41410), (198, 41389), (211, 41359), (221, 41329),

Gene: Qobbit_58 Start: 38254, Stop: 37982, Start Num: 125

Candidate Starts for Qobbit_58:

(Start: 125 @38254 has 115 MA's), (Start: 161 @38245 has 7 MA's), (Start: 182 @38188 has 1 MA's), (194, 38152), (209, 38113), (219, 38086), (224, 38074),

Gene: Quallification_38 Start: 33341, Stop: 33586, Start Num: 166

Candidate Starts for Quallification_38:

(Start: 166 @33341 has 192 MA's), (Start: 184 @33398 has 3 MA's), (195, 33431), (198, 33437), (219, 33491), (225, 33503),

Gene: QueenB2_57 Start: 38455, Stop: 38183, Start Num: 125

Candidate Starts for QueenB2_57:

(Start: 125 @38455 has 115 MA's), (Start: 161 @38446 has 7 MA's), (Start: 170 @38434 has 2 MA's), (Start: 172 @38428 has 9 MA's), (213, 38305), (224, 38275),

Gene: QueenBeesly_58 Start: 38424, Stop: 38152, Start Num: 125

Candidate Starts for QueenBeesly_58:

(Start: 125 @38424 has 115 MA's), (Start: 161 @38415 has 7 MA's), (Start: 170 @38403 has 2 MA's), (Start: 172 @38397 has 9 MA's), (213, 38274),

Gene: Quenya_35 Start: 25660, Stop: 25890, Start Num: 168

Candidate Starts for Quenya_35:

(22, 25243), (33, 25348), (50, 25423), (57, 25447), (70, 25486), (78, 25513), (79, 25516), (80, 25519), (111, 25576), (113, 25579), (116, 25585), (Start: 160 @25651 has 9 MA's), (Start: 168 @25660 has 57 MA's), (195, 25747), (217, 25801), (240, 25852), (255, 25882),

Gene: QuincyRose_64 Start: 43845, Stop: 44087, Start Num: 164

Candidate Starts for QuincyRose_64:

(Start: 164 @43845 has 163 MA's), (195, 43935), (232, 44031), (242, 44055),

Gene: RER2_39 Start: 31170, Stop: 30874, Start Num: 155

Candidate Starts for RER2_39:

(Start: 155 @31170 has 37 MA's), (Start: 170 @31152 has 2 MA's), (Start: 172 @31146 has 9 MA's), (211, 31029), (222, 30996), (225, 30990), (249, 30930), (262, 30882),

Gene: RGL3_40 Start: 32103, Stop: 31804, Start Num: 155

Candidate Starts for RGL3_40:

(75, 32253), (Start: 155 @32103 has 37 MA's), (Start: 170 @32085 has 2 MA's), (171, 32082), (209, 31965), (221, 31932), (222, 31929),

Gene: Rabbitrun_113 Start: 64952, Stop: 65221, Start Num: 136

Candidate Starts for Rabbitrun_113:

(Start: 136 @64952 has 2 MA's), (Start: 159 @64979 has 15 MA's), (180, 65036), (192, 65069), (194, 65075), (195, 65078), (213, 65114), (224, 65144), (226, 65150), (234, 65180), (237, 65189),

Gene: Racecar_109 Start: 87140, Stop: 87388, Start Num: 166

Candidate Starts for Racecar_109:

(Start: 166 @87140 has 192 MA's), (Start: 170 @87146 has 2 MA's), (Start: 172 @87152 has 9 MA's),

Gene: Rachaly_57 Start: 38723, Stop: 38451, Start Num: 125

Candidate Starts for Rachaly_57:

(Start: 125 @38723 has 115 MA's), (Start: 172 @38696 has 9 MA's), (213, 38573), (224, 38543),

Gene: Rahalelujah_58 Start: 37998, Stop: 37726, Start Num: 125

Candidate Starts for Rahalelujah_58:

(Start: 125 @37998 has 115 MA's), (Start: 161 @37989 has 7 MA's), (Start: 182 @37932 has 1 MA's), (194, 37896), (213, 37848),

Gene: Rajelicia_62 Start: 42806, Stop: 42531, Start Num: 122

Candidate Starts for Rajelicia_62:

(Start: 120 @42809 has 32 MA's), (Start: 122 @42806 has 105 MA's), (Start: 126 @42794 has 7 MA's), (Start: 170 @42764 has 2 MA's), (185, 42713), (189, 42698), (198, 42677), (211, 42647), (221, 42617),

Gene: Rakim_38 Start: 33241, Stop: 33486, Start Num: 166

Candidate Starts for Rakim_38:

(Start: 166 @33241 has 192 MA's), (Start: 184 @33298 has 3 MA's), (195, 33331), (198, 33337), (219, 33391), (225, 33403),

Gene: Ramen_67 Start: 43469, Stop: 43711, Start Num: 164

Candidate Starts for Ramen_67:

(Start: 164 @43469 has 163 MA's), (195, 43559), (232, 43655), (242, 43679),

Gene: Rando14_62 Start: 40667, Stop: 40915, Start Num: 164

Candidate Starts for Rando14_62:

(Start: 164 @40667 has 163 MA's),

Gene: Rapunzel97_68 Start: 43920, Stop: 44162, Start Num: 164

Candidate Starts for Rapunzel97_68:

(Start: 164 @43920 has 163 MA's), (195, 44010), (232, 44106), (242, 44130),

Gene: Rasputin_46 Start: 34268, Stop: 33972, Start Num: 155

Candidate Starts for Rasputin_46:

(Start: 155 @34268 has 37 MA's), (Start: 170 @34250 has 2 MA's), (Start: 172 @34244 has 9 MA's), (211, 34127), (222, 34094), (225, 34088), (249, 34028), (262, 33980),

Gene: Raymond7_49 Start: 35961, Stop: 36209, Start Num: 153

Candidate Starts for Raymond7_49:

(Start: 153 @35961 has 31 MA's), (Start: 166 @35973 has 192 MA's), (221, 36123), (222, 36126), (251, 36201),

Gene: ReMo_62 Start: 37440, Stop: 37171, Start Num: 154

Candidate Starts for ReMo_62:

(14, 37884), (17, 37860), (25, 37782), (Start: 154 @37440 has 21 MA's), (224, 37263),

Gene: Redi_55 Start: 36172, Stop: 36420, Start Num: 153

Candidate Starts for Redi_55:

(Start: 153 @36172 has 31 MA's), (Start: 166 @36184 has 192 MA's), (221, 36334), (222, 36337), (251, 36412),

Gene: Redno2_50 Start: 41183, Stop: 41428, Start Num: 167

Candidate Starts for Redno2_50:

(Start: 167 @41183 has 57 MA's), (185, 41246), (195, 41276), (196, 41279), (222, 41339), (224, 41342), (225, 41345),

Gene: Reedo_32 Start: 23099, Stop: 23341, Start Num: 151

Candidate Starts for Reedo_32:

(28, 22766), (43, 22862), (47, 22871), (67, 22946), (Start: 151 @23099 has 2 MA's),

Gene: Refuge_56 Start: 39539, Stop: 39267, Start Num: 125

Candidate Starts for Refuge_56:

(109, 39569), (Start: 125 @39539 has 115 MA's), (194, 39437), (213, 39389), (219, 39371), (224, 39359),

Gene: Reindeer_39 Start: 33229, Stop: 33507, Start Num: 144

Candidate Starts for Reindeer_39:

(Start: 144 @33229 has 11 MA's), (Start: 160 @33247 has 9 MA's), (185, 33310), (189, 33325), (218, 33397), (221, 33406), (222, 33409), (225, 33415),

Gene: Remus_64 Start: 37446, Stop: 37177, Start Num: 154

Candidate Starts for Remus_64:

(14, 37890), (17, 37866), (25, 37788), (Start: 154 @37446 has 21 MA's), (224, 37269),

Gene: Retro23_59 Start: 38669, Stop: 38397, Start Num: 125

Candidate Starts for Retro23_59:

(Start: 125 @38669 has 115 MA's), (Start: 161 @38660 has 7 MA's), (Start: 170 @38648 has 2 MA's), (Start: 172 @38642 has 9 MA's), (213, 38519), (224, 38489),

Gene: RexFury_45 Start: 34329, Stop: 34033, Start Num: 155

Candidate Starts for RexFury_45:

(Start: 155 @34329 has 37 MA's), (Start: 170 @34311 has 2 MA's), (Start: 172 @34305 has 9 MA's), (211, 34188), (222, 34155), (225, 34149), (249, 34089), (262, 34041),

Gene: Rey_44 Start: 34155, Stop: 34406, Start Num: 157

Candidate Starts for Rey_44:

(Start: 157 @34155 has 2 MA's), (195, 34248), (216, 34299), (217, 34302), (221, 34314),

Gene: Rhodalysa_46 Start: 34298, Stop: 34002, Start Num: 155

Candidate Starts for Rhodalysa_46:

(Start: 155 @34298 has 37 MA's), (Start: 170 @34280 has 2 MA's), (Start: 172 @34274 has 9 MA's), (211, 34157), (222, 34124), (225, 34118), (249, 34058), (262, 34010),

Gene: Rhynn_60 Start: 40743, Stop: 40474, Start Num: 120

Candidate Starts for Rhynn_60:

(71, 40845), (73, 40842), (91, 40797), (101, 40779), (Start: 120 @40743 has 32 MA's), (Start: 122 @40740 has 105 MA's), (Start: 126 @40728 has 7 MA's), (Start: 170 @40707 has 2 MA's), (185, 40656), (189, 40641), (198, 40620), (211, 40590), (221, 40560),

Gene: RidgeCB_61 Start: 40947, Stop: 40681, Start Num: 119

Candidate Starts for RidgeCB_61:

(Start: 119 @40947 has 6 MA's), (Start: 126 @40935 has 7 MA's), (Start: 170 @40914 has 2 MA's), (185, 40863), (189, 40848), (198, 40827), (211, 40797), (221, 40767),

Gene: Rimmer_36 Start: 32701, Stop: 32946, Start Num: 166

Candidate Starts for Rimmer_36:

(Start: 166 @32701 has 192 MA's), (Start: 184 @32758 has 3 MA's), (195, 32791), (198, 32797), (219, 32851), (225, 32863),

Gene: Ringer_62 Start: 42252, Stop: 42001, Start Num: 137

Candidate Starts for Ringer_62:

(77, 42357), (Start: 137 @42252 has 4 MA's), (185, 42183), (189, 42168), (198, 42147), (211, 42117), (221, 42087), (251, 42012),

Gene: Riparian_40 Start: 35856, Stop: 36101, Start Num: 159

Candidate Starts for Riparian_40:

(Start: 124 @35814 has 1 MA's), (Start: 159 @35856 has 15 MA's), (Start: 172 @35877 has 9 MA's), (Start: 176 @35898 has 2 MA's), (Start: 184 @35922 has 3 MA's), (185, 35925), (226, 36024), (227, 36027), (228, 36030),

Gene: RiverMonster_37 Start: 32890, Stop: 33135, Start Num: 166

Candidate Starts for RiverMonster_37:

(Start: 166 @32890 has 192 MA's), (Start: 184 @32947 has 3 MA's), (195, 32980), (198, 32986), (219, 33040), (225, 33052),

Gene: Rollins_33 Start: 23463, Stop: 23702, Start Num: 160

Candidate Starts for Rollins_33:

(46, 23220), (55, 23250), (Start: 160 @23463 has 9 MA's), (Start: 168 @23472 has 57 MA's), (195, 23559), (240, 23664), (255, 23694),

Gene: Roman_30 Start: 9436, Stop: 9684, Start Num: 167

Candidate Starts for Roman_30:

(Start: 136 @9397 has 2 MA's), (Start: 167 @9436 has 57 MA's), (179, 9481), (192, 9517), (247, 9664),

Gene: Rona_34 Start: 25980, Stop: 26210, Start Num: 168

Candidate Starts for Rona_34:

(21, 25560), (29, 25623), (30, 25641), (31, 25662), (34, 25671), (38, 25695), (42, 25713), (45, 25719), (51, 25746), (52, 25749), (58, 25770), (59, 25773), (72, 25812), (76, 25827), (81, 25842), (85, 25851), (92, 25860), (93, 25866), (99, 25875), (106, 25887), (110, 25893), (Start: 160 @25971 has 9 MA's), (Start: 168 @25980 has 57 MA's), (190, 26052), (195, 26067), (240, 26172), (255, 26202),

Gene: Rope_40 Start: 36036, Stop: 36281, Start Num: 159

Candidate Starts for Rope_40:

(Start: 124 @35994 has 1 MA's), (Start: 159 @36036 has 15 MA's), (Start: 172 @36057 has 9 MA's), (Start: 176 @36078 has 2 MA's), (Start: 184 @36102 has 3 MA's), (185, 36105), (226, 36204), (227, 36207), (228, 36210),

Gene: Rosalind_62 Start: 37598, Stop: 37329, Start Num: 154

Candidate Starts for Rosalind_62:

(14, 38042), (17, 38018), (25, 37940), (Start: 154 @37598 has 21 MA's), (224, 37421),

Gene: Rose5_30 Start: 27690, Stop: 27959, Start Num: 166

Candidate Starts for Rose5_30:

(Start: 166 @27690 has 192 MA's), (Start: 178 @27735 has 6 MA's), (221, 27843),

Gene: Rosmarinus_66 Start: 43610, Stop: 43852, Start Num: 164

Candidate Starts for Rosmarinus_66:

(Start: 164 @43610 has 163 MA's), (195, 43700), (232, 43796), (242, 43820),

Gene: Rubeelu_53 Start: 35513, Stop: 35761, Start Num: 153

Candidate Starts for Rubeelu_53:

(64, 35339), (105, 35435), (Start: 153 @35513 has 31 MA's), (Start: 166 @35525 has 192 MA's), (195, 35609), (221, 35675), (222, 35678),

Gene: Rubeus_60 Start: 38752, Stop: 38498, Start Num: 126

Candidate Starts for Rubeus_60:

(Start: 119 @38764 has 6 MA's), (Start: 126 @38752 has 7 MA's), (Start: 170 @38731 has 2 MA's), (185, 38680), (189, 38665), (198, 38644), (211, 38614), (221, 38584), (251, 38509),

Gene: Rufus_63 Start: 41448, Stop: 41182, Start Num: 119

Candidate Starts for Rufus_63:

(Start: 119 @41448 has 6 MA's), (Start: 126 @41436 has 7 MA's), (Start: 170 @41415 has 2 MA's), (185, 41364), (189, 41349), (198, 41328), (211, 41298), (221, 41268), (251, 41193),

Gene: Rumpelstiltskin_32 Start: 28735, Stop: 28956, Start Num: 178

Candidate Starts for Rumpelstiltskin_32:

(Start: 166 @28690 has 192 MA's), (Start: 178 @28735 has 6 MA's), (196, 28786), (225, 28852), (249, 28924), (259, 28945),

Gene: RunningBrook_37 Start: 10938, Stop: 11192, Start Num: 167

Candidate Starts for RunningBrook_37:

(Start: 148 @10923 has 1 MA's), (Start: 167 @10938 has 57 MA's), (179, 10983), (198, 11034), (204, 11052), (213, 11070),

Gene: Ruotula_64 Start: 42952, Stop: 42695, Start Num: 129

Candidate Starts for Ruotula_64:

(Start: 129 @42952 has 11 MA's), (Start: 166 @42934 has 192 MA's), (Start: 170 @42928 has 2 MA's), (185, 42877), (189, 42862), (198, 42841), (211, 42811), (221, 42781),

Gene: Rutherferd_64 Start: 42559, Stop: 42290, Start Num: 120

Candidate Starts for Rutherferd_64:

(71, 42661), (73, 42658), (91, 42613), (101, 42595), (Start: 120 @42559 has 32 MA's), (Start: 122 @42556 has 105 MA's), (Start: 126 @42544 has 7 MA's), (Start: 170 @42523 has 2 MA's), (185, 42472), (189, 42457), (198, 42436), (211, 42406), (221, 42376),

Gene: SCentae_76 Start: 28691, Stop: 28957, Start Num: 161

Candidate Starts for SCentae_76:

(Start: 161 @28691 has 7 MA's), (Start: 178 @28739 has 6 MA's), (224, 28859), (245, 28919),

Gene: SJReid_115 Start: 79391, Stop: 79633, Start Num: 166

Candidate Starts for SJReid_115:

(Start: 166 @79391 has 192 MA's), (217, 79535),

Gene: STLscum_70 Start: 43220, Stop: 42969, Start Num: 137

Candidate Starts for STLscum_70:

(77, 43325), (Start: 137 @43220 has 4 MA's), (185, 43151), (189, 43136), (198, 43115), (211, 43085), (221, 43055), (251, 42980),

Gene: Sagefire_64 Start: 42827, Stop: 42561, Start Num: 122

Candidate Starts for Sagefire_64:

(Start: 120 @42830 has 32 MA's), (Start: 122 @42827 has 105 MA's), (Start: 126 @42815 has 7 MA's), (Start: 170 @42794 has 2 MA's), (185, 42743), (189, 42728), (198, 42707), (211, 42677), (221, 42647),

Gene: Saints25_38 Start: 32793, Stop: 33038, Start Num: 166

Candidate Starts for Saints25_38:

(Start: 166 @32793 has 192 MA's), (Start: 184 @32850 has 3 MA's), (195, 32883), (198, 32889), (219, 32943), (225, 32955),

Gene: Salz_56 Start: 37305, Stop: 37033, Start Num: 125

Candidate Starts for Salz_56:

(Start: 125 @37305 has 115 MA's), (Start: 161 @37296 has 7 MA's), (224, 37125),

Gene: Samty_31 Start: 28787, Stop: 29053, Start Num: 166

Candidate Starts for Samty_31:

(Start: 166 @28787 has 192 MA's), (Start: 172 @28799 has 9 MA's), (Start: 178 @28832 has 6 MA's),

Gene: SamuelLPlaqson_67 Start: 44362, Stop: 44604, Start Num: 164

Candidate Starts for SamuelLPlaqson_67:

(Start: 164 @44362 has 163 MA's), (195, 44452), (232, 44548), (242, 44572),

Gene: SanaSana_39 Start: 27081, Stop: 27314, Start Num: 168

Candidate Starts for SanaSana_39:

(85, 26952), (87, 26955), (97, 26973), (104, 26985), (106, 26988), (111, 26997), (Start: 160 @27072 has 9 MA's), (Start: 168 @27081 has 57 MA's), (215, 27216), (243, 27282),

Gene: Sandaddy_58 Start: 40699, Stop: 40442, Start Num: 129

Candidate Starts for Sandaddy_58:

(Start: 129 @40699 has 11 MA's), (Start: 166 @40681 has 192 MA's), (Start: 170 @40675 has 2 MA's), (185, 40624), (189, 40609), (198, 40588), (211, 40558), (221, 40528), (251, 40453),

Gene: SansAfet_37 Start: 25401, Stop: 25631, Start Num: 168

Candidate Starts for SansAfet_37:

(Start: 168 @25401 has 57 MA's),

Gene: Sanya_57 Start: 41974, Stop: 41741, Start Num: 170

Candidate Starts for Sanya_57:

(Start: 119 @42007 has 6 MA's), (Start: 126 @41995 has 7 MA's), (Start: 170 @41974 has 2 MA's), (185, 41923), (189, 41908), (198, 41887), (211, 41857), (221, 41827), (251, 41752),

Gene: SarBear_36 Start: 25256, Stop: 25498, Start Num: 168

Candidate Starts for SarBear_36:

(Start: 168 @25256 has 57 MA's), (255, 25490),

Gene: SarFire_61 Start: 41167, Stop: 40898, Start Num: 120

Candidate Starts for SarFire_61:

(Start: 120 @41167 has 32 MA's), (Start: 122 @41164 has 105 MA's), (Start: 126 @41152 has 7 MA's), (140, 41137), (Start: 170 @41131 has 2 MA's), (185, 41080), (189, 41065), (198, 41044), (211, 41014), (221, 40984), (251, 40909),

Gene: Sassay_36 Start: 32639, Stop: 32884, Start Num: 166

Candidate Starts for Sassay_36:

(Start: 166 @32639 has 192 MA's), (Start: 184 @32696 has 3 MA's), (195, 32729), (198, 32735), (219, 32789), (225, 32801),

Gene: Scarlett_71 Start: 44528, Stop: 44758, Start Num: 164
Candidate Starts for Scarlett_71:
(Start: 164 @44528 has 163 MA's), (205, 44645), (218, 44663),

Gene: Schatzie_49 Start: 43187, Stop: 43432, Start Num: 167
Candidate Starts for Schatzie_49:
(Start: 167 @43187 has 57 MA's), (185, 43250), (195, 43280), (196, 43283), (222, 43343), (224, 43346), (225, 43349),

Gene: Scherzo_58 Start: 38511, Stop: 38239, Start Num: 125
Candidate Starts for Scherzo_58:
(Start: 125 @38511 has 115 MA's), (Start: 161 @38502 has 7 MA's), (Start: 182 @38445 has 1 MA's), (194, 38409), (209, 38370), (219, 38343), (224, 38331),

Gene: Schmidt_57 Start: 36601, Stop: 36840, Start Num: 166
Candidate Starts for Schmidt_57:
(89, 36481), (Start: 166 @36601 has 192 MA's), (179, 36643), (185, 36658), (193, 36682), (198, 36694), (219, 36763), (222, 36772), (247, 36832),

Gene: Schnauzer_51 Start: 34925, Stop: 35173, Start Num: 153
Candidate Starts for Schnauzer_51:
(19, 34511), (54, 34718), (64, 34751), (105, 34847), (Start: 153 @34925 has 31 MA's), (Start: 166 @34937 has 192 MA's), (Start: 170 @34943 has 2 MA's), (195, 35021), (221, 35087), (222, 35090),

Gene: ScoobyDoobyDoo_73 Start: 26882, Stop: 27106, Start Num: 168
Candidate Starts for ScoobyDoobyDoo_73:
(Start: 168 @26882 has 57 MA's), (183, 26933), (211, 27005), (217, 27023), (219, 27029), (221, 27035), (236, 27071),

Gene: Scowl_63 Start: 41099, Stop: 40830, Start Num: 120
Candidate Starts for Scowl_63:
(Start: 120 @41099 has 32 MA's), (Start: 122 @41096 has 105 MA's), (Start: 126 @41084 has 7 MA's), (Start: 170 @41060 has 2 MA's), (Start: 184 @41015 has 3 MA's), (189, 40997), (211, 40946), (251, 40841),

Gene: SemperFi_59 Start: 38692, Stop: 38420, Start Num: 125
Candidate Starts for SemperFi_59:
(Start: 125 @38692 has 115 MA's), (Start: 161 @38683 has 7 MA's), (Start: 170 @38671 has 2 MA's), (Start: 172 @38665 has 9 MA's), (213, 38542),

Gene: Send513_40 Start: 36392, Stop: 36637, Start Num: 159
Candidate Starts for Send513_40:
(Start: 124 @36350 has 1 MA's), (Start: 159 @36392 has 15 MA's), (Start: 172 @36413 has 9 MA's), (Start: 176 @36434 has 2 MA's), (185, 36461), (226, 36560), (227, 36563), (228, 36566), (246, 36617),

Gene: Sephiroth_110 Start: 62771, Stop: 63007, Start Num: 159
Candidate Starts for Sephiroth_110:
(Start: 159 @62771 has 15 MA's), (Start: 172 @62786 has 9 MA's), (189, 62849), (194, 62861), (205, 62891), (213, 62900), (225, 62933), (237, 62975),

Gene: Serenabean_51 Start: 34263, Stop: 34496, Start Num: 120
Candidate Starts for Serenabean_51:
(Start: 120 @34263 has 32 MA's), (173, 34326), (201, 34398),

Gene: Serenity_58 Start: 37628, Stop: 37356, Start Num: 127
Candidate Starts for Serenity_58:
(83, 37700), (91, 37688), (Start: 127 @37628 has 9 MA's), (Start: 170 @37607 has 2 MA's), (Start: 172 @37601 has 9 MA's), (213, 37478), (217, 37466),

Gene: SgtBeansprout_56 Start: 40941, Stop: 41186, Start Num: 164
Candidate Starts for SgtBeansprout_56:
(109, 40869), (Start: 164 @40941 has 163 MA's), (201, 41046), (218, 41088), (232, 41124),

Gene: Shadow1_71 Start: 43904, Stop: 44143, Start Num: 164
Candidate Starts for Shadow1_71:
(106, 43820), (Start: 164 @43904 has 163 MA's), (Start: 170 @43913 has 2 MA's), (195, 43994), (217, 44048), (222, 44063),

Gene: ShakeltOph_41 Start: 26463, Stop: 26750, Start Num: 126
Candidate Starts for ShakeltOph_41:
(Start: 126 @26463 has 7 MA's), (214, 26655),

Gene: Sham4_57 Start: 37333, Stop: 37061, Start Num: 125
Candidate Starts for Sham4_57:
(Start: 125 @37333 has 115 MA's), (Start: 161 @37324 has 7 MA's), (224, 37153),

Gene: ShamWow_37 Start: 33135, Stop: 33380, Start Num: 166
Candidate Starts for ShamWow_37:
(Start: 166 @33135 has 192 MA's), (Start: 184 @33192 has 3 MA's), (195, 33225), (198, 33231), (219, 33285), (225, 33297),

Gene: Shaobing_69 Start: 44159, Stop: 44398, Start Num: 164
Candidate Starts for Shaobing_69:
(Start: 164 @44159 has 163 MA's), (195, 44249), (211, 44285), (217, 44303), (242, 44366),

Gene: Sharkboy_35 Start: 26070, Stop: 26309, Start Num: 160
Candidate Starts for Sharkboy_35:
(21, 25659), (29, 25722), (30, 25740), (31, 25761), (34, 25770), (38, 25794), (42, 25812), (45, 25818), (51, 25845), (52, 25848), (58, 25869), (59, 25872), (68, 25899), (72, 25911), (76, 25926), (81, 25941), (85, 25950), (92, 25959), (93, 25965), (99, 25974), (106, 25986), (110, 25992), (Start: 160 @26070 has 9 MA's), (Start: 168 @26079 has 57 MA's), (190, 26151), (195, 26166), (217, 26220), (240, 26271), (255, 26301),

Gene: ShayRa_64 Start: 37627, Stop: 37358, Start Num: 154
Candidate Starts for ShayRa_64:
(14, 38071), (25, 37969), (Start: 154 @37627 has 21 MA's), (224, 37450),

Gene: Shayna_36 Start: 24764, Stop: 24994, Start Num: 168
Candidate Starts for Shayna_36:
(Start: 168 @24764 has 57 MA's), (180, 24809),

Gene: SheaKeira_56 Start: 37935, Stop: 37663, Start Num: 125

Candidate Starts for SheaKeira_56:

(Start: 125 @37935 has 115 MA's), (Start: 161 @37926 has 7 MA's), (Start: 170 @37914 has 2 MA's), (Start: 182 @37869 has 1 MA's), (194, 37833), (202, 37812), (213, 37785), (216, 37776), (221, 37761), (243, 37710), (250, 37689),

Gene: ShedlockHolmes_69 Start: 44136, Stop: 44378, Start Num: 164

Candidate Starts for ShedlockHolmes_69:

(Start: 164 @44136 has 163 MA's), (Start: 176 @44169 has 2 MA's), (195, 44226), (218, 44286), (222, 44298),

Gene: ShereKhan_39 Start: 34175, Stop: 34363, Start Num: 184

Candidate Starts for ShereKhan_39:

(Start: 166 @34118 has 192 MA's), (Start: 184 @34175 has 3 MA's), (195, 34208), (198, 34214), (219, 34268), (225, 34280),

Gene: ShiaSurprise_67 Start: 43819, Stop: 44061, Start Num: 164

Candidate Starts for ShiaSurprise_67:

(Start: 164 @43819 has 163 MA's), (195, 43909), (232, 44005), (242, 44029),

Gene: ShortQueendom_54 Start: 38806, Stop: 38531, Start Num: 122

Candidate Starts for ShortQueendom_54:

(Start: 120 @38809 has 32 MA's), (Start: 122 @38806 has 105 MA's), (Start: 126 @38794 has 7 MA's), (185, 38713), (189, 38698), (198, 38677), (211, 38647), (221, 38617),

Gene: ShrimpFriedEgg_55 Start: 36172, Stop: 36420, Start Num: 153

Candidate Starts for ShrimpFriedEgg_55:

(Start: 153 @36172 has 31 MA's), (Start: 166 @36184 has 192 MA's), (221, 36334), (222, 36337), (251, 36412),

Gene: Shuman_46 Start: 34243, Stop: 33947, Start Num: 155

Candidate Starts for Shuman_46:

(Start: 155 @34243 has 37 MA's), (Start: 170 @34225 has 2 MA's), (Start: 172 @34219 has 9 MA's), (211, 34102), (222, 34069), (225, 34063), (249, 34003), (262, 33955),

Gene: Shweta_51 Start: 35498, Stop: 35743, Start Num: 148

Candidate Starts for Shweta_51:

(Start: 148 @35498 has 1 MA's), (Start: 166 @35510 has 192 MA's), (Start: 170 @35516 has 2 MA's), (191, 35582), (212, 35627), (222, 35657),

Gene: Silvafighter_51 Start: 34898, Stop: 35146, Start Num: 153

Candidate Starts for Silvafighter_51:

(19, 34484), (54, 34691), (64, 34724), (105, 34820), (Start: 153 @34898 has 31 MA's), (Start: 166 @34910 has 192 MA's), (Start: 170 @34916 has 2 MA's), (195, 34994), (221, 35060), (222, 35063),

Gene: Silverleaf_30 Start: 27690, Stop: 27959, Start Num: 166

Candidate Starts for Silverleaf_30:

(Start: 166 @27690 has 192 MA's), (Start: 178 @27735 has 6 MA's), (221, 27843),

Gene: Simpliphy_38 Start: 32880, Stop: 33125, Start Num: 166

Candidate Starts for Simpliphy_38:

(Start: 166 @32880 has 192 MA's), (Start: 184 @32937 has 3 MA's), (195, 32970), (198, 32976), (219, 33030), (225, 33042),

Gene: Simpson_35 Start: 24755, Stop: 25021, Start Num: 145
Candidate Starts for Simpson_35:
(37, 24497), (Start: 145 @24755 has 23 MA's), (222, 24938),

Gene: SirDuracell_36 Start: 31800, Stop: 32045, Start Num: 166
Candidate Starts for SirDuracell_36:
(Start: 166 @31800 has 192 MA's), (Start: 184 @31857 has 3 MA's), (195, 31890), (198, 31896), (217, 31944), (219, 31950), (225, 31962),

Gene: SirPhilip_66 Start: 44298, Stop: 44537, Start Num: 164
Candidate Starts for SirPhilip_66:
(Start: 164 @44298 has 163 MA's), (195, 44388), (211, 44424), (217, 44442), (221, 44454),

Gene: Skinny_40 Start: 33191, Stop: 33469, Start Num: 144
Candidate Starts for Skinny_40:
(82, 33080), (Start: 144 @33191 has 11 MA's), (Start: 160 @33209 has 9 MA's), (185, 33272), (218, 33359), (221, 33368), (225, 33377),

Gene: Skog_140 Start: 57999, Stop: 58271, Start Num: 161
Candidate Starts for Skog_140:
(Start: 161 @57999 has 7 MA's), (Start: 178 @58047 has 6 MA's), (189, 58080), (224, 58167),

Gene: Skylord_33 Start: 23403, Stop: 23633, Start Num: 168
Candidate Starts for Skylord_33:
(46, 23151), (55, 23181), (Start: 160 @23394 has 9 MA's), (Start: 168 @23403 has 57 MA's), (195, 23490), (240, 23595), (255, 23625),

Gene: Slagathor_64 Start: 43192, Stop: 42926, Start Num: 122
Candidate Starts for Slagathor_64:
(Start: 120 @43195 has 32 MA's), (Start: 122 @43192 has 105 MA's), (Start: 126 @43180 has 7 MA's), (Start: 166 @43165 has 192 MA's), (Start: 170 @43159 has 2 MA's), (185, 43108), (189, 43093), (198, 43072), (211, 43042), (221, 43012),

Gene: Slay_37 Start: 25937, Stop: 26179, Start Num: 168
Candidate Starts for Slay_37:
(Start: 168 @25937 has 57 MA's), (255, 26171),

Gene: SlimJimmy_38 Start: 32763, Stop: 33023, Start Num: 160
Candidate Starts for SlimJimmy_38:
(82, 32634), (Start: 144 @32745 has 11 MA's), (Start: 160 @32763 has 9 MA's), (185, 32826), (218, 32913), (221, 32922), (225, 32931),

Gene: Slimphazie_67 Start: 43920, Stop: 44162, Start Num: 164
Candidate Starts for Slimphazie_67:
(Start: 164 @43920 has 163 MA's), (195, 44010), (232, 44106), (242, 44130),

Gene: Smairt_64 Start: 43635, Stop: 43369, Start Num: 122
Candidate Starts for Smairt_64:
(Start: 120 @43638 has 32 MA's), (Start: 122 @43635 has 105 MA's), (Start: 126 @43623 has 7 MA's), (Start: 170 @43602 has 2 MA's), (185, 43551), (189, 43536), (198, 43515), (211, 43485), (221, 43455),

Gene: Smeagan_61 Start: 38985, Stop: 38713, Start Num: 125

Candidate Starts for Smeagan_61:

(Start: 125 @38985 has 115 MA's), (Start: 161 @38976 has 7 MA's), (Start: 170 @38964 has 2 MA's), (Start: 172 @38958 has 9 MA's), (213, 38835),

Gene: Smeagol_64 Start: 43015, Stop: 42749, Start Num: 122

Candidate Starts for Smeagol_64:

(Start: 122 @43015 has 105 MA's), (Start: 126 @43003 has 7 MA's), (Start: 170 @42982 has 2 MA's), (185, 42931), (189, 42916), (198, 42895), (211, 42865), (221, 42835),

Gene: Smoothie_126 Start: 71628, Stop: 71921, Start Num: 147

Candidate Starts for Smoothie_126:

(Start: 147 @71628 has 13 MA's), (Start: 176 @71676 has 2 MA's), (221, 71805),

Gene: Smurph_50 Start: 34925, Stop: 35173, Start Num: 153

Candidate Starts for Smurph_50:

(19, 34511), (54, 34718), (64, 34751), (105, 34847), (Start: 153 @34925 has 31 MA's), (Start: 166 @34937 has 192 MA's), (Start: 170 @34943 has 2 MA's), (195, 35021), (221, 35087), (222, 35090),

Gene: SnapTap_58 Start: 38503, Stop: 38231, Start Num: 125

Candidate Starts for SnapTap_58:

(Start: 125 @38503 has 115 MA's), (Start: 161 @38494 has 7 MA's), (Start: 170 @38482 has 2 MA's), (Start: 172 @38476 has 9 MA's), (213, 38353),

Gene: Snape_57 Start: 37325, Stop: 37053, Start Num: 125

Candidate Starts for Snape_57:

(Start: 125 @37325 has 115 MA's), (Start: 161 @37316 has 7 MA's), (224, 37145),

Gene: Snazzy_60 Start: 40262, Stop: 39987, Start Num: 122

Candidate Starts for Snazzy_60:

(Start: 120 @40265 has 32 MA's), (Start: 122 @40262 has 105 MA's), (Start: 126 @40250 has 7 MA's), (185, 40169), (189, 40154), (198, 40133), (211, 40103), (221, 40073),

Gene: Snek_33 Start: 23631, Stop: 23897, Start Num: 127

Candidate Starts for Snek_33:

(43, 23421), (47, 23430), (Start: 127 @23631 has 9 MA's), (222, 23814),

Gene: Snekmaggedon_49 Start: 34464, Stop: 34712, Start Num: 153

Candidate Starts for Snekmaggedon_49:

(Start: 153 @34464 has 31 MA's), (Start: 166 @34476 has 192 MA's), (221, 34626), (222, 34629), (251, 34704),

Gene: Snenia_31 Start: 28785, Stop: 29051, Start Num: 166

Candidate Starts for Snenia_31:

(Start: 166 @28785 has 192 MA's), (Start: 172 @28797 has 9 MA's), (Start: 178 @28830 has 6 MA's),

Gene: SoSeph_61 Start: 42799, Stop: 43047, Start Num: 164

Candidate Starts for SoSeph_61:

(Start: 164 @42799 has 163 MA's), (189, 42874), (218, 42946), (229, 42970),

Gene: Solon_61 Start: 40838, Stop: 40563, Start Num: 122

Candidate Starts for Solon_61:

(Start: 120 @40841 has 32 MA's), (Start: 122 @40838 has 105 MA's), (Start: 126 @40826 has 7 MA's), (Start: 170 @40796 has 2 MA's), (185, 40745), (189, 40730), (198, 40709), (211, 40679), (221,

40649), (251, 40574),

Gene: Soondubu_31 Start: 26525, Stop: 26788, Start Num: 167

Candidate Starts for Soondubu_31:

(Start: 167 @26525 has 57 MA's), (238, 26723), (249, 26756),

Gene: SophKB_37 Start: 33134, Stop: 33379, Start Num: 166

Candidate Starts for SophKB_37:

(Start: 166 @33134 has 192 MA's), (Start: 184 @33191 has 3 MA's), (195, 33224), (198, 33230), (219, 33284), (225, 33296),

Gene: Sorpresa_57 Start: 40701, Stop: 40444, Start Num: 129

Candidate Starts for Sorpresa_57:

(Start: 129 @40701 has 11 MA's), (Start: 166 @40683 has 192 MA's), (Start: 170 @40677 has 2 MA's), (185, 40626), (189, 40611), (198, 40590), (211, 40560), (221, 40530), (251, 40455),

Gene: Sotrice96_37 Start: 33089, Stop: 33334, Start Num: 166

Candidate Starts for Sotrice96_37:

(Start: 166 @33089 has 192 MA's), (Start: 184 @33146 has 3 MA's), (195, 33179), (198, 33185), (219, 33239), (225, 33251),

Gene: Soups_64 Start: 37890, Stop: 37621, Start Num: 154

Candidate Starts for Soups_64:

(14, 38334), (25, 38232), (Start: 154 @37890 has 21 MA's), (224, 37713),

Gene: SpeedDemon_860 Start: 59302, Stop: 59036, Start Num: 147

Candidate Starts for SpeedDemon_860:

(Start: 147 @59302 has 13 MA's), (175, 59254),

Gene: SpikeBT_60 Start: 40904, Stop: 40638, Start Num: 122

Candidate Starts for SpikeBT_60:

(Start: 120 @40907 has 32 MA's), (Start: 122 @40904 has 105 MA's), (Start: 126 @40892 has 7 MA's), (Start: 170 @40871 has 2 MA's), (185, 40820), (189, 40805), (198, 40784), (211, 40754), (221, 40724), (251, 40649),

Gene: Splinter_63 Start: 40094, Stop: 40318, Start Num: 163

Candidate Starts for Splinter_63:

(Start: 163 @40094 has 11 MA's), (179, 40136), (195, 40181), (199, 40190), (219, 40241), (222, 40250),

Gene: Spock_66 Start: 43623, Stop: 43865, Start Num: 164

Candidate Starts for Spock_66:

(Start: 164 @43623 has 163 MA's), (195, 43713), (232, 43809), (242, 43833),

Gene: SpongeBob_49 Start: 34464, Stop: 34712, Start Num: 153

Candidate Starts for SpongeBob_49:

(Start: 153 @34464 has 31 MA's), (Start: 166 @34476 has 192 MA's), (221, 34626), (222, 34629), (251, 34704),

Gene: Spouty_56 Start: 38291, Stop: 38019, Start Num: 125

Candidate Starts for Spouty_56:

(Start: 125 @38291 has 115 MA's), (Start: 161 @38282 has 7 MA's), (Start: 182 @38225 has 1 MA's), (194, 38189), (209, 38150), (219, 38123), (224, 38111),

Gene: Squee_63 Start: 41158, Stop: 40892, Start Num: 122

Candidate Starts for Squee_63:

(Start: 120 @41161 has 32 MA's), (Start: 122 @41158 has 105 MA's), (Start: 126 @41146 has 7 MA's), (Start: 170 @41125 has 2 MA's), (189, 41059), (198, 41038), (205, 41017), (211, 41008), (221, 40978), (251, 40903),

Gene: Squint_50 Start: 40769, Stop: 40981, Start Num: 177

Candidate Starts for Squint_50:

(Start: 172 @40742 has 9 MA's), (Start: 177 @40769 has 1 MA's), (195, 40823), (196, 40826), (221, 40883), (232, 40919),

Gene: StCroix_45 Start: 34311, Stop: 34015, Start Num: 155

Candidate Starts for StCroix_45:

(Start: 155 @34311 has 37 MA's), (Start: 170 @34293 has 2 MA's), (Start: 172 @34287 has 9 MA's), (211, 34170), (222, 34137), (225, 34131), (249, 34071), (262, 34023),

Gene: Stank_40 Start: 33641, Stop: 33886, Start Num: 166

Candidate Starts for Stank_40:

(Start: 166 @33641 has 192 MA's), (Start: 184 @33698 has 3 MA's), (195, 33731), (198, 33737), (219, 33791), (225, 33803),

Gene: StarStuff_60 Start: 38271, Stop: 37999, Start Num: 125

Candidate Starts for StarStuff_60:

(Start: 125 @38271 has 115 MA's), (Start: 161 @38262 has 7 MA's), (194, 38169), (224, 38091), (245, 38037),

Gene: Stark_38 Start: 32893, Stop: 33138, Start Num: 166

Candidate Starts for Stark_38:

(Start: 166 @32893 has 192 MA's), (Start: 184 @32950 has 3 MA's), (195, 32983), (198, 32989), (219, 33043), (225, 33055),

Gene: Steamy_54 Start: 38003, Stop: 37731, Start Num: 125

Candidate Starts for Steamy_54:

(45, 38204), (Start: 125 @38003 has 115 MA's), (Start: 161 @37994 has 7 MA's), (Start: 172 @37976 has 9 MA's), (180, 37940), (194, 37901), (213, 37853), (219, 37835), (230, 37814), (231, 37811),

Gene: StellaBean_37 Start: 33134, Stop: 33379, Start Num: 166

Candidate Starts for StellaBean_37:

(Start: 166 @33134 has 192 MA's), (Start: 184 @33191 has 3 MA's), (195, 33224), (198, 33230), (219, 33284), (225, 33296),

Gene: StevieWelch_35 Start: 10338, Stop: 10592, Start Num: 167

Candidate Starts for StevieWelch_35:

(Start: 148 @10323 has 1 MA's), (Start: 167 @10338 has 57 MA's), (179, 10383), (204, 10452), (213, 10470),

Gene: StewieG_57 Start: 37645, Stop: 37379, Start Num: 122

Candidate Starts for StewieG_57:

(Start: 120 @37648 has 32 MA's), (Start: 122 @37645 has 105 MA's), (Start: 126 @37633 has 7 MA's), (Start: 170 @37612 has 2 MA's), (185, 37561), (189, 37546), (198, 37525), (211, 37495),

Gene: Stinson_68 Start: 44248, Stop: 44490, Start Num: 164

Candidate Starts for Stinson_68:

(Start: 164 @44248 has 163 MA's), (195, 44338), (232, 44434), (242, 44458),

Gene: StolenFromERC_39 Start: 33125, Stop: 33370, Start Num: 166

Candidate Starts for StolenFromERC_39:

(Start: 166 @33125 has 192 MA's), (Start: 184 @33182 has 3 MA's), (195, 33215), (198, 33221), (219, 33275), (225, 33287),

Gene: Stoor_37 Start: 26750, Stop: 26983, Start Num: 168

Candidate Starts for Stoor_37:

(85, 26621), (87, 26624), (97, 26642), (106, 26657), (111, 26666), (Start: 160 @26741 has 9 MA's), (Start: 168 @26750 has 57 MA's),

Gene: Strobilo_70 Start: 46068, Stop: 46313, Start Num: 164

Candidate Starts for Strobilo_70:

(109, 46005), (Start: 164 @46068 has 163 MA's), (195, 46158), (222, 46227),

Gene: Stromboli_37 Start: 26614, Stop: 26847, Start Num: 168

Candidate Starts for Stromboli_37:

(85, 26485), (87, 26488), (97, 26506), (104, 26518), (106, 26521), (111, 26530), (Start: 160 @26605 has 9 MA's), (Start: 168 @26614 has 57 MA's), (224, 26764),

Gene: StrongArm_60 Start: 42040, Stop: 41774, Start Num: 122

Candidate Starts for StrongArm_60:

(Start: 120 @42043 has 32 MA's), (Start: 122 @42040 has 105 MA's), (Start: 126 @42028 has 7 MA's), (Start: 170 @42004 has 2 MA's), (Start: 184 @41959 has 3 MA's), (189, 41941), (211, 41890), (251, 41785),

Gene: Strosahl_64 Start: 37446, Stop: 37177, Start Num: 154

Candidate Starts for Strosahl_64:

(14, 37890), (17, 37866), (25, 37788), (Start: 154 @37446 has 21 MA's), (224, 37269),

Gene: SuMoo_44 Start: 27844, Stop: 28113, Start Num: 123

Candidate Starts for SuMoo_44:

(53, 27691), (65, 27730), (66, 27733), (Start: 123 @27844 has 10 MA's), (Start: 170 @27898 has 2 MA's), (180, 27931), (212, 28012), (228, 28057),

Gene: Sue2_34 Start: 25374, Stop: 25640, Start Num: 145

Candidate Starts for Sue2_34:

(43, 25137), (47, 25146), (67, 25221), (Start: 145 @25374 has 23 MA's), (222, 25557), (245, 25614),

Gene: Sulley_66 Start: 43683, Stop: 43925, Start Num: 164

Candidate Starts for Sulley_66:

(Start: 164 @43683 has 163 MA's), (195, 43773), (232, 43869), (242, 43893),

Gene: Sumter_58 Start: 41278, Stop: 41012, Start Num: 122

Candidate Starts for Sumter_58:

(Start: 120 @41281 has 32 MA's), (Start: 122 @41278 has 105 MA's), (Start: 126 @41266 has 7 MA's), (140, 41251), (Start: 170 @41245 has 2 MA's), (185, 41194), (189, 41179), (198, 41158), (211, 41128), (221, 41098), (251, 41023),

Gene: Sunflower1121_72 Start: 44050, Stop: 44289, Start Num: 164

Candidate Starts for Sunflower1121_72:

(106, 43966), (Start: 164 @44050 has 163 MA's), (Start: 170 @44059 has 2 MA's), (195, 44140), (217, 44194), (222, 44209),

Gene: SunnyD_38 Start: 24766, Stop: 24996, Start Num: 168

Candidate Starts for SunnyD_38:

(Start: 168 @24766 has 57 MA's), (180, 24811),

Gene: Sunshine924_67 Start: 41911, Stop: 41645, Start Num: 122

Candidate Starts for Sunshine924_67:

(Start: 120 @41914 has 32 MA's), (Start: 122 @41911 has 105 MA's), (Start: 126 @41899 has 7 MA's), (Start: 170 @41878 has 2 MA's), (189, 41812), (198, 41791), (211, 41761), (221, 41731), (251, 41656),

Gene: Superchunk_56 Start: 36944, Stop: 36672, Start Num: 125

Candidate Starts for Superchunk_56:

(Start: 125 @36944 has 115 MA's), (Start: 172 @36917 has 9 MA's), (213, 36794), (217, 36782),

Gene: Superphikiman_51 Start: 40814, Stop: 41053, Start Num: 172

Candidate Starts for Superphikiman_51:

(Start: 172 @40814 has 9 MA's), (Start: 177 @40841 has 1 MA's), (195, 40895), (196, 40898), (221, 40955), (232, 40991),

Gene: Swann_46 Start: 34296, Stop: 34000, Start Num: 155

Candidate Starts for Swann_46:

(Start: 155 @34296 has 37 MA's), (Start: 170 @34278 has 2 MA's), (Start: 172 @34272 has 9 MA's), (211, 34155), (222, 34122), (225, 34116), (249, 34056), (262, 34008),

Gene: SweetiePie_58 Start: 38635, Stop: 38363, Start Num: 125

Candidate Starts for SweetiePie_58:

(Start: 125 @38635 has 115 MA's), (Start: 161 @38626 has 7 MA's), (Start: 170 @38614 has 2 MA's), (Start: 172 @38608 has 9 MA's),

Gene: Swervy_37 Start: 25456, Stop: 25698, Start Num: 168

Candidate Starts for Swervy_37:

(Start: 168 @25456 has 57 MA's), (255, 25690),

Gene: SwirlSquare_63 Start: 37866, Stop: 37594, Start Num: 125

Candidate Starts for SwirlSquare_63:

(Start: 125 @37866 has 115 MA's), (Start: 172 @37839 has 9 MA's), (185, 37791), (205, 37734), (224, 37686), (232, 37668),

Gene: Switzerland_63 Start: 37766, Stop: 37497, Start Num: 154

Candidate Starts for Switzerland_63:

(14, 38210), (25, 38108), (Start: 154 @37766 has 21 MA's), (224, 37589),

Gene: Swole_61 Start: 41087, Stop: 40812, Start Num: 122

Candidate Starts for Swole_61:

(Start: 120 @41090 has 32 MA's), (Start: 122 @41087 has 105 MA's), (Start: 126 @41075 has 7 MA's), (Start: 170 @41045 has 2 MA's), (185, 40994), (189, 40979), (198, 40958), (211, 40928), (221, 40898),

Gene: Syleon_115 Start: 63553, Stop: 63789, Start Num: 159

Candidate Starts for Syleon_115:

(Start: 159 @63553 has 15 MA's), (Start: 172 @63568 has 9 MA's), (189, 63631), (205, 63673), (213, 63682), (225, 63715), (237, 63757),

Gene: Syra333_70 Start: 43764, Stop: 44003, Start Num: 164

Candidate Starts for Syra333_70:

(106, 43680), (Start: 164 @43764 has 163 MA's), (Start: 170 @43773 has 2 MA's), (195, 43854), (217, 43908), (222, 43923),

Gene: TBond007_64 Start: 43622, Stop: 43864, Start Num: 164

Candidate Starts for TBond007_64:

(Start: 164 @43622 has 163 MA's), (Start: 176 @43655 has 2 MA's), (195, 43712), (205, 43739), (218, 43772), (222, 43784),

Gene: TBrady12_39 Start: 33125, Stop: 33370, Start Num: 166

Candidate Starts for TBrady12_39:

(Start: 166 @33125 has 192 MA's), (Start: 184 @33182 has 3 MA's), (195, 33215), (198, 33221), (219, 33275), (225, 33287),

Gene: TClif_69 Start: 43725, Stop: 43964, Start Num: 164

Candidate Starts for TClif_69:

(Start: 164 @43725 has 163 MA's), (Start: 170 @43734 has 2 MA's), (195, 43815), (222, 43884), (242, 43932),

Gene: TM4_67 Start: 40730, Stop: 40975, Start Num: 164

Candidate Starts for TM4_67:

(7, 39989), (112, 40673), (114, 40679), (Start: 164 @40730 has 163 MA's), (195, 40820), (222, 40889), (232, 40913), (256, 40967),

Gene: TWAMP_46 Start: 34298, Stop: 34002, Start Num: 155

Candidate Starts for TWAMP_46:

(Start: 155 @34298 has 37 MA's), (Start: 170 @34280 has 2 MA's), (Start: 172 @34274 has 9 MA's), (211, 34157), (222, 34124), (225, 34118), (249, 34058), (262, 34010),

Gene: TZGordon_64 Start: 38982, Stop: 39206, Start Num: 163

Candidate Starts for TZGordon_64:

(Start: 163 @38982 has 11 MA's), (179, 39024), (195, 39069), (199, 39078), (219, 39129), (222, 39138),

Gene: Tachez_66 Start: 43467, Stop: 43709, Start Num: 164

Candidate Starts for Tachez_66:

(Start: 164 @43467 has 163 MA's), (195, 43557), (232, 43653), (242, 43677),

Gene: TaiwanKao_69 Start: 44172, Stop: 44417, Start Num: 164

Candidate Starts for TaiwanKao_69:

(Start: 164 @44172 has 163 MA's), (195, 44262), (232, 44358), (253, 44409),

Gene: Takoda_46 Start: 34472, Stop: 34176, Start Num: 155

Candidate Starts for Takoda_46:

(Start: 155 @34472 has 37 MA's), (Start: 170 @34454 has 2 MA's), (Start: 172 @34448 has 9 MA's), (211, 34331), (222, 34298), (225, 34292), (249, 34232), (262, 34184),

Gene: Talia1610_110 Start: 86506, Stop: 86754, Start Num: 166

Candidate Starts for Talia1610_110:

(Start: 166 @86506 has 192 MA's), (Start: 170 @86512 has 2 MA's), (Start: 172 @86518 has 9 MA's),

Gene: Tallboi_33 Start: 25971, Stop: 26237, Start Num: 142

Candidate Starts for Tallboi_33:

(37, 25716), (48, 25752), (Start: 142 @25971 has 3 MA's), (222, 26154),

Gene: Tandem_28 Start: 9118, Stop: 9372, Start Num: 167

Candidate Starts for Tandem_28:

(131, 9070), (Start: 153 @9103 has 31 MA's), (Start: 167 @9118 has 57 MA's), (179, 9163), (192, 9199), (226, 9286),

Gene: Tapioca_52 Start: 34891, Stop: 35139, Start Num: 153

Candidate Starts for Tapioca_52:

(Start: 153 @34891 has 31 MA's), (Start: 166 @34903 has 192 MA's), (221, 35053), (222, 35056), (251, 35131),

Gene: Target_64 Start: 41123, Stop: 40848, Start Num: 122

Candidate Starts for Target_64:

(Start: 120 @41126 has 32 MA's), (Start: 122 @41123 has 105 MA's), (Start: 126 @41111 has 7 MA's), (Start: 170 @41081 has 2 MA's), (185, 41030), (189, 41015), (198, 40994), (211, 40964), (221, 40934), (251, 40859),

Gene: Tarkin_39 Start: 34124, Stop: 34369, Start Num: 166

Candidate Starts for Tarkin_39:

(Start: 166 @34124 has 192 MA's), (Start: 184 @34181 has 3 MA's), (195, 34214), (198, 34220), (219, 34274), (225, 34286),

Gene: Tbone_32 Start: 24550, Stop: 24816, Start Num: 145

Candidate Starts for Tbone_32:

(37, 24292), (48, 24328), (Start: 145 @24550 has 23 MA's), (222, 24733),

Gene: TeardropMSU_36 Start: 33035, Stop: 33280, Start Num: 166

Candidate Starts for TeardropMSU_36:

(Start: 166 @33035 has 192 MA's), (Start: 184 @33092 has 3 MA's), (195, 33125), (198, 33131), (219, 33185), (225, 33197),

Gene: Teaspoon_38 Start: 33088, Stop: 33333, Start Num: 166

Candidate Starts for Teaspoon_38:

(Start: 166 @33088 has 192 MA's), (Start: 184 @33145 has 3 MA's), (195, 33178), (198, 33184), (219, 33238), (225, 33250),

Gene: Teodoridan_60 Start: 40295, Stop: 40029, Start Num: 122

Candidate Starts for Teodoridan_60:

(Start: 122 @40295 has 105 MA's), (Start: 126 @40283 has 7 MA's), (Start: 170 @40262 has 2 MA's), (185, 40211), (189, 40196), (198, 40175), (211, 40145), (221, 40115),

Gene: Terminus_37 Start: 33222, Stop: 33467, Start Num: 166

Candidate Starts for Terminus_37:

(Start: 166 @33222 has 192 MA's), (Start: 184 @33279 has 3 MA's), (195, 33312), (198, 33318), (219, 33372), (225, 33384),

Gene: TforTroy_34 Start: 25368, Stop: 25634, Start Num: 145

Candidate Starts for TforTroy_34:

(Start: 145 @25368 has 23 MA's), (222, 25551),

Gene: TheloniousMonk_65 Start: 43428, Stop: 43162, Start Num: 122

Candidate Starts for TheloniousMonk_65:

(Start: 120 @43431 has 32 MA's), (Start: 122 @43428 has 105 MA's), (Start: 126 @43416 has 7 MA's), (Start: 170 @43392 has 2 MA's), (Start: 184 @43347 has 3 MA's), (189, 43329), (211, 43278), (239, 43203), (251, 43173),

Gene: Thibault_45 Start: 41387, Stop: 41626, Start Num: 172

Candidate Starts for Thibault_45:

(Start: 172 @41387 has 9 MA's), (Start: 177 @41414 has 1 MA's), (195, 41468), (196, 41471), (221, 41528), (232, 41564),

Gene: Thonko_81 Start: 61339, Stop: 61569, Start Num: 170

Candidate Starts for Thonko_81:

(100, 61228), (Start: 142 @61303 has 3 MA's), (Start: 170 @61339 has 2 MA's), (224, 61489),

Gene: Thor_61 Start: 40522, Stop: 40256, Start Num: 122

Candidate Starts for Thor_61:

(Start: 120 @40525 has 32 MA's), (Start: 122 @40522 has 105 MA's), (Start: 126 @40510 has 7 MA's), (140, 40495), (Start: 170 @40489 has 2 MA's), (185, 40438), (189, 40423), (198, 40402), (211, 40372), (221, 40342), (251, 40267),

Gene: ThreeRngTarjay_50 Start: 44296, Stop: 44541, Start Num: 167

Candidate Starts for ThreeRngTarjay_50:

(Start: 167 @44296 has 57 MA's), (185, 44359), (195, 44389), (196, 44392), (222, 44452), (224, 44455), (225, 44458),

Gene: Thresher_38 Start: 33889, Stop: 34134, Start Num: 166

Candidate Starts for Thresher_38:

(Start: 166 @33889 has 192 MA's), (Start: 184 @33946 has 3 MA's), (195, 33979), (198, 33985), (219, 34039), (225, 34051),

Gene: Thyatira_63 Start: 44764, Stop: 45012, Start Num: 164

Candidate Starts for Thyatira_63:

(Start: 164 @44764 has 163 MA's), (189, 44839), (218, 44911), (229, 44935),

Gene: Tian_33 Start: 26378, Stop: 26620, Start Num: 146

Candidate Starts for Tian_33:

(Start: 146 @26378 has 3 MA's),

Gene: Tierra_70 Start: 44265, Stop: 44504, Start Num: 164

Candidate Starts for Tierra_70:

(106, 44181), (Start: 164 @44265 has 163 MA's), (Start: 170 @44274 has 2 MA's), (195, 44355), (217, 44409),

Gene: Timothy_57 Start: 37302, Stop: 37030, Start Num: 125

Candidate Starts for Timothy_57:

(Start: 125 @37302 has 115 MA's), (Start: 161 @37293 has 7 MA's), (224, 37122),

Gene: TinaLin_62 Start: 38825, Stop: 39049, Start Num: 163

Candidate Starts for TinaLin_62:

(Start: 163 @38825 has 11 MA's), (179, 38867), (195, 38912), (199, 38921), (219, 38972), (222, 38981), (231, 39002),

Gene: TiniBug_67 Start: 44358, Stop: 44600, Start Num: 164

Candidate Starts for TiniBug_67:

(Start: 164 @44358 has 163 MA's), (195, 44448), (232, 44544), (242, 44568),

Gene: TinyTimmy_56 Start: 37351, Stop: 37079, Start Num: 125

Candidate Starts for TinyTimmy_56:

(Start: 125 @37351 has 115 MA's), (Start: 161 @37342 has 7 MA's), (224, 37171),

Gene: TipsytheTRex_54 Start: 37698, Stop: 37426, Start Num: 127

Candidate Starts for TipsytheTRex_54:

(83, 37770), (91, 37758), (Start: 127 @37698 has 9 MA's), (Start: 170 @37677 has 2 MA's), (Start: 172 @37671 has 9 MA's), (213, 37548), (217, 37536),

Gene: Tiri_67 Start: 43756, Stop: 43998, Start Num: 164

Candidate Starts for Tiri_67:

(Start: 164 @43756 has 163 MA's), (179, 43801), (195, 43846), (232, 43942),

Gene: Toaka_58 Start: 38206, Stop: 37934, Start Num: 125

Candidate Starts for Toaka_58:

(Start: 125 @38206 has 115 MA's), (Start: 161 @38197 has 7 MA's), (213, 38056), (219, 38038),

Gene: Tomaszewski_36 Start: 32732, Stop: 32977, Start Num: 166

Candidate Starts for Tomaszewski_36:

(Start: 166 @32732 has 192 MA's), (Start: 184 @32789 has 3 MA's), (195, 32822), (198, 32828), (217, 32876), (219, 32882), (225, 32894),

Gene: Tomathan_60 Start: 38318, Stop: 38046, Start Num: 125

Candidate Starts for Tomathan_60:

(Start: 125 @38318 has 115 MA's), (Start: 161 @38309 has 7 MA's), (194, 38216), (224, 38138), (245, 38084),

Gene: Toniann_125 Start: 71160, Stop: 71450, Start Num: 149

Candidate Starts for Toniann_125:

(88, 71052), (96, 71067), (Start: 121 @71112 has 1 MA's), (Start: 149 @71160 has 7 MA's), (Start: 176 @71205 has 2 MA's), (221, 71334),

Gene: Topper_66 Start: 43622, Stop: 43864, Start Num: 164

Candidate Starts for Topper_66:

(Start: 164 @43622 has 163 MA's), (195, 43712), (232, 43808), (242, 43832),

Gene: Tote_58 Start: 38354, Stop: 38079, Start Num: 122

Candidate Starts for Tote_58:

(Start: 120 @38357 has 32 MA's), (Start: 122 @38354 has 105 MA's), (Start: 126 @38342 has 7 MA's), (Start: 170 @38312 has 2 MA's), (185, 38261), (189, 38246), (198, 38225), (211, 38195), (221, 38165),

Gene: Toto_37 Start: 33135, Stop: 33380, Start Num: 166

Candidate Starts for Toto_37:

(Start: 166 @33135 has 192 MA's), (Start: 184 @33192 has 3 MA's), (195, 33225), (198, 33231), (219, 33285), (225, 33297),

Gene: Tourach_32 Start: 28413, Stop: 28679, Start Num: 166

Candidate Starts for Tourach_32:

(Start: 166 @28413 has 192 MA's), (Start: 178 @28458 has 6 MA's), (196, 28509), (249, 28647), (259, 28668),

Gene: Traaww1_35 Start: 32773, Stop: 33018, Start Num: 166

Candidate Starts for Traaww1_35:

(Start: 166 @32773 has 192 MA's), (Start: 184 @32830 has 3 MA's), (195, 32863), (198, 32869), (219, 32923), (225, 32935),

Gene: Traft412_64 Start: 41743, Stop: 41486, Start Num: 129

Candidate Starts for Traft412_64:

(Start: 129 @41743 has 11 MA's), (Start: 166 @41725 has 192 MA's), (Start: 170 @41719 has 2 MA's), (185, 41668), (189, 41653), (198, 41632), (211, 41602), (221, 41572),

Gene: Trax_113 Start: 64896, Stop: 65138, Start Num: 159

Candidate Starts for Trax_113:

(Start: 119 @64836 has 6 MA's), (Start: 159 @64896 has 15 MA's), (193, 64989), (194, 64992), (195, 64995), (213, 65031), (224, 65061), (237, 65106),

Gene: Treddle_63 Start: 42567, Stop: 42298, Start Num: 120

Candidate Starts for Treddle_63:

(Start: 120 @42567 has 32 MA's), (Start: 122 @42564 has 105 MA's), (Start: 126 @42552 has 7 MA's), (Start: 170 @42531 has 2 MA's), (185, 42480), (189, 42465), (198, 42444), (205, 42423), (211, 42414), (221, 42384),

Gene: TreyKay_68 Start: 44110, Stop: 44352, Start Num: 164

Candidate Starts for TreyKay_68:

(Start: 164 @44110 has 163 MA's), (195, 44200), (232, 44296),

Gene: TribbleTrouble_68 Start: 44625, Stop: 44867, Start Num: 164

Candidate Starts for TribbleTrouble_68:

(Start: 164 @44625 has 163 MA's), (Start: 176 @44658 has 2 MA's), (195, 44715), (222, 44787),

Gene: Tripl3t_65 Start: 43651, Stop: 43394, Start Num: 129

Candidate Starts for Tripl3t_65:

(Start: 129 @43651 has 11 MA's), (Start: 166 @43633 has 192 MA's), (Start: 170 @43627 has 2 MA's), (185, 43576), (189, 43561), (198, 43540), (211, 43510), (221, 43480), (251, 43405),

Gene: Trouble_63 Start: 41668, Stop: 41399, Start Num: 120

Candidate Starts for Trouble_63:

(Start: 120 @41668 has 32 MA's), (Start: 122 @41665 has 105 MA's), (Start: 126 @41653 has 7 MA's), (Start: 170 @41632 has 2 MA's), (189, 41566), (198, 41545), (205, 41524), (211, 41515), (221, 41485),

Gene: TruffulaTree_67 Start: 43916, Stop: 44158, Start Num: 164

Candidate Starts for TruffulaTree_67:

(Start: 164 @43916 has 163 MA's), (195, 44006), (232, 44102), (242, 44126),

Gene: Tubs_58 Start: 38225, Stop: 37953, Start Num: 125

Candidate Starts for Tubs_58:

(Start: 125 @38225 has 115 MA's), (Start: 161 @38216 has 7 MA's), (Start: 182 @38159 has 1 MA's), (194, 38123), (209, 38084), (219, 38057), (224, 38045),

Gene: Tuck_36 Start: 27187, Stop: 27453, Start Num: 145
Candidate Starts for Tuck_36:
(37, 26950), (41, 26959), (Start: 145 @27187 has 23 MA's),

Gene: Tuco_38 Start: 33643, Stop: 33888, Start Num: 166
Candidate Starts for Tuco_38:
(Start: 166 @33643 has 192 MA's), (Start: 184 @33700 has 3 MA's), (195, 33733), (198, 33739), (219, 33793), (225, 33805),

Gene: TukTuk_37 Start: 25527, Stop: 25769, Start Num: 168
Candidate Starts for TukTuk_37:
(Start: 168 @25527 has 57 MA's), (217, 25668),

Gene: Turab_32 Start: 24438, Stop: 24704, Start Num: 142
Candidate Starts for Turab_32:
(15, 23982), (37, 24183), (48, 24219), (Start: 142 @24438 has 3 MA's), (222, 24621),

Gene: Turbido_59 Start: 38719, Stop: 38447, Start Num: 125
Candidate Starts for Turbido_59:
(Start: 125 @38719 has 115 MA's), (Start: 161 @38710 has 7 MA's), (Start: 170 @38698 has 2 MA's), (Start: 172 @38692 has 9 MA's),

Gene: Turj99_60 Start: 42063, Stop: 41797, Start Num: 122
Candidate Starts for Turj99_60:
(Start: 120 @42066 has 32 MA's), (Start: 122 @42063 has 105 MA's), (Start: 126 @42051 has 7 MA's), (Start: 166 @42036 has 192 MA's), (Start: 170 @42030 has 2 MA's), (185, 41979), (189, 41964), (198, 41943), (211, 41913), (221, 41883), (251, 41808),

Gene: Tutumahutu_33 Start: 24722, Stop: 24988, Start Num: 145
Candidate Starts for Tutumahutu_33:
(37, 24464), (48, 24500), (Start: 145 @24722 has 23 MA's), (222, 24905),

Gene: Tweety19_33 Start: 23630, Stop: 23896, Start Num: 127
Candidate Starts for Tweety19_33:
(43, 23420), (47, 23429), (Start: 127 @23630 has 9 MA's), (222, 23813),

Gene: Twitch_66 Start: 43624, Stop: 43866, Start Num: 164
Candidate Starts for Twitch_66:
(Start: 164 @43624 has 163 MA's), (195, 43714), (232, 43810), (242, 43834),

Gene: TwoPeat_63 Start: 41915, Stop: 41649, Start Num: 122
Candidate Starts for TwoPeat_63:
(Start: 120 @41918 has 32 MA's), (Start: 122 @41915 has 105 MA's), (Start: 126 @41903 has 7 MA's), (Start: 166 @41888 has 192 MA's), (Start: 170 @41882 has 2 MA's), (185, 41831), (189, 41816), (198, 41795), (211, 41765), (221, 41735),

Gene: TyDawg_39 Start: 32762, Stop: 33040, Start Num: 144
Candidate Starts for TyDawg_39:
(82, 32651), (Start: 144 @32762 has 11 MA's), (Start: 160 @32780 has 9 MA's), (185, 32843), (218, 32930), (221, 32939), (225, 32948),

Gene: Tyson_30 Start: 27735, Stop: 27959, Start Num: 178

Candidate Starts for Tyson_30:

(Start: 166 @27690 has 192 MA's), (Start: 178 @27735 has 6 MA's), (221, 27843),

Gene: UPIE_30 Start: 27688, Stop: 27957, Start Num: 166

Candidate Starts for UPIE_30:

(Start: 166 @27688 has 192 MA's), (Start: 178 @27733 has 6 MA's), (221, 27841),

Gene: Ugenie5_55 Start: 38510, Stop: 38238, Start Num: 125

Candidate Starts for Ugenie5_55:

(Start: 125 @38510 has 115 MA's), (Start: 161 @38501 has 7 MA's), (Start: 182 @38444 has 1 MA's),
(194, 38408), (209, 38369), (219, 38342), (224, 38330),

Gene: UhSalsa_46 Start: 34231, Stop: 33935, Start Num: 155

Candidate Starts for UhSalsa_46:

(Start: 155 @34231 has 37 MA's), (Start: 170 @34213 has 2 MA's), (Start: 172 @34207 has 9 MA's),
(211, 34090), (222, 34057), (225, 34051), (249, 33991), (262, 33943),

Gene: Ukulele_37 Start: 32893, Stop: 33138, Start Num: 166

Candidate Starts for Ukulele_37:

(Start: 166 @32893 has 192 MA's), (Start: 184 @32950 has 3 MA's), (195, 32983), (198, 32989), (219,
33043), (225, 33055),

Gene: Unicorn_68 Start: 43391, Stop: 43630, Start Num: 164

Candidate Starts for Unicorn_68:

(Start: 164 @43391 has 163 MA's), (Start: 170 @43400 has 2 MA's), (195, 43481), (222, 43550),

Gene: Urkel_67 Start: 44362, Stop: 44604, Start Num: 164

Candidate Starts for Urkel_67:

(Start: 164 @44362 has 163 MA's), (195, 44452), (232, 44548), (242, 44572),

Gene: UtzChips_41 Start: 26893, Stop: 27153, Start Num: 123

Candidate Starts for UtzChips_41:

(63, 26767), (Start: 123 @26893 has 10 MA's),

Gene: VC3_61 Start: 38705, Stop: 38394, Start Num: 107

Candidate Starts for VC3_61:

(Start: 107 @38705 has 4 MA's), (Start: 127 @38666 has 9 MA's), (Start: 161 @38657 has 7 MA's),
(194, 38564), (213, 38516), (224, 38486),

Gene: VResidence_33 Start: 24693, Stop: 24935, Start Num: 167

Candidate Starts for VResidence_33:

(Start: 167 @24693 has 57 MA's), (183, 24747), (224, 24855),

Gene: Validus_71 Start: 44494, Stop: 44733, Start Num: 164

Candidate Starts for Validus_71:

(Start: 164 @44494 has 163 MA's), (195, 44584), (217, 44638),

Gene: Vanisoa_58 Start: 39326, Stop: 39054, Start Num: 125

Candidate Starts for Vanisoa_58:

(Start: 125 @39326 has 115 MA's), (Start: 161 @39317 has 7 MA's), (Start: 182 @39260 has 1 MA's),
(194, 39224), (213, 39176), (224, 39146), (230, 39137),

Gene: Veliki_68 Start: 43889, Stop: 44131, Start Num: 164
Candidate Starts for Veliki_68:
(Start: 164 @43889 has 163 MA's), (195, 43979), (232, 44075), (242, 44099),

Gene: Vendetta_63 Start: 40094, Stop: 40318, Start Num: 163
Candidate Starts for Vendetta_63:
(Start: 163 @40094 has 11 MA's), (179, 40136), (195, 40181), (199, 40190), (219, 40241), (222, 40250),

Gene: Vetrix_32 Start: 28428, Stop: 28694, Start Num: 166
Candidate Starts for Vetrix_32:
(Start: 166 @28428 has 192 MA's), (Start: 178 @28473 has 6 MA's), (196, 28524), (225, 28590), (249, 28662), (259, 28683),

Gene: Violet_60 Start: 42922, Stop: 42656, Start Num: 122
Candidate Starts for Violet_60:
(Start: 120 @42925 has 32 MA's), (Start: 122 @42922 has 105 MA's), (Start: 126 @42910 has 7 MA's), (Start: 170 @42889 has 2 MA's), (185, 42838), (189, 42823), (198, 42802), (211, 42772), (221, 42742),

Gene: Vitas_33 Start: 23412, Stop: 23642, Start Num: 168
Candidate Starts for Vitas_33:
(46, 23160), (55, 23190), (Start: 160 @23403 has 9 MA's), (Start: 168 @23412 has 57 MA's), (195, 23499), (240, 23604), (255, 23634),

Gene: VroomVroom_39 Start: 26557, Stop: 26892, Start Num: 126
Candidate Starts for VroomVroom_39:
(Start: 126 @26557 has 7 MA's), (214, 26749),

Gene: Waits_64 Start: 37663, Stop: 37394, Start Num: 154
Candidate Starts for Waits_64:
(14, 38107), (17, 38083), (25, 38005), (Start: 154 @37663 has 21 MA's), (224, 37486),

Gene: Wamburgrxpress_30 Start: 27703, Stop: 27972, Start Num: 166
Candidate Starts for Wamburgrxpress_30:
(Start: 166 @27703 has 192 MA's), (Start: 178 @27748 has 6 MA's), (221, 27856),

Gene: Wanda_58 Start: 44007, Stop: 44255, Start Num: 167
Candidate Starts for Wanda_58:
(Start: 167 @44007 has 57 MA's), (214, 44139),

Gene: Warda_33 Start: 24726, Stop: 24992, Start Num: 145
Candidate Starts for Warda_33:
(37, 24468), (48, 24504), (Start: 145 @24726 has 23 MA's), (222, 24909),

Gene: WaterT_52 Start: 33281, Stop: 33520, Start Num: 168
Candidate Starts for WaterT_52:
(Start: 168 @33281 has 57 MA's), (185, 33338), (194, 33365), (198, 33374),

Gene: Waterfoul_62 Start: 42861, Stop: 43109, Start Num: 164
Candidate Starts for Waterfoul_62:
(Start: 164 @42861 has 163 MA's), (189, 42936), (218, 43008), (229, 43032),

Gene: Weiss13_40 Start: 36088, Stop: 36333, Start Num: 159

Candidate Starts for Weiss13_40:

(Start: 124 @36046 has 1 MA's), (Start: 159 @36088 has 15 MA's), (Start: 172 @36109 has 9 MA's), (Start: 176 @36130 has 2 MA's), (Start: 184 @36154 has 3 MA's), (185, 36157), (226, 36256), (227, 36259), (228, 36262),

Gene: Welcome_36 Start: 10355, Stop: 10609, Start Num: 167

Candidate Starts for Welcome_36:

(40, 10088), (Start: 148 @10340 has 1 MA's), (Start: 167 @10355 has 57 MA's), (179, 10400), (198, 10451), (204, 10469), (213, 10487),

Gene: Whabigail7_59 Start: 38704, Stop: 38432, Start Num: 125

Candidate Starts for Whabigail7_59:

(Start: 125 @38704 has 115 MA's), (Start: 161 @38695 has 7 MA's), (Start: 170 @38683 has 2 MA's), (Start: 172 @38677 has 9 MA's), (213, 38554),

Gene: Wheeler_64 Start: 41819, Stop: 41544, Start Num: 122

Candidate Starts for Wheeler_64:

(Start: 122 @41819 has 105 MA's), (Start: 126 @41807 has 7 MA's), (185, 41726), (189, 41711), (198, 41690), (211, 41660), (221, 41630), (251, 41555),

Gene: Whirlwind_32 Start: 28525, Stop: 28791, Start Num: 166

Candidate Starts for Whirlwind_32:

(135, 28486), (Start: 166 @28525 has 192 MA's), (Start: 172 @28537 has 9 MA's), (Start: 178 @28570 has 6 MA's), (195, 28618),

Gene: Wiggin_40 Start: 33639, Stop: 33884, Start Num: 166

Candidate Starts for Wiggin_40:

(Start: 166 @33639 has 192 MA's), (Start: 184 @33696 has 3 MA's), (195, 33729), (198, 33735), (219, 33789), (225, 33801),

Gene: Wigglewigggle_32 Start: 28454, Stop: 28720, Start Num: 166

Candidate Starts for Wigglewigggle_32:

(Start: 166 @28454 has 192 MA's), (Start: 178 @28499 has 6 MA's), (196, 28550), (225, 28616), (249, 28688), (259, 28709),

Gene: Wildcat_53 Start: 39356, Stop: 39604, Start Num: 166

Candidate Starts for Wildcat_53:

(Start: 166 @39356 has 192 MA's), (191, 39437), (210, 39485), (222, 39518), (224, 39521), (225, 39524), (239, 39557), (254, 39593),

Gene: Wilder_32 Start: 28427, Stop: 28693, Start Num: 166

Candidate Starts for Wilder_32:

(Start: 166 @28427 has 192 MA's), (Start: 178 @28472 has 6 MA's), (196, 28523), (225, 28589), (249, 28661), (259, 28682),

Gene: Wildwest_33 Start: 24524, Stop: 24790, Start Num: 145

Candidate Starts for Wildwest_33:

(37, 24266), (48, 24302), (Start: 145 @24524 has 23 MA's), (222, 24707),

Gene: Willez_36 Start: 32639, Stop: 32884, Start Num: 166

Candidate Starts for Willez_36:

(Start: 166 @32639 has 192 MA's), (Start: 184 @32696 has 3 MA's), (195, 32729), (198, 32735), (219, 32789), (225, 32801),

Gene: WilliamBoone_123 Start: 68402, Stop: 68692, Start Num: 149

Candidate Starts for WilliamBoone_123:

(Start: 108 @68330 has 1 MA's), (Start: 149 @68402 has 7 MA's), (221, 68576), (224, 68582),

Gene: Winky_32 Start: 28422, Stop: 28688, Start Num: 166

Candidate Starts for Winky_32:

(Start: 166 @28422 has 192 MA's), (Start: 178 @28467 has 6 MA's), (196, 28518), (225, 28584), (249, 28656), (259, 28677),

Gene: Wolfstar_31 Start: 9938, Stop: 10189, Start Num: 167

Candidate Starts for Wolfstar_31:

(20, 9515), (26, 9551), (143, 9908), (Start: 145 @9914 has 23 MA's), (Start: 167 @9938 has 57 MA's), (179, 9983), (192, 10019), (226, 10106),

Gene: Wyatt2_30 Start: 27690, Stop: 27959, Start Num: 166

Candidate Starts for Wyatt2_30:

(Start: 166 @27690 has 192 MA's), (Start: 178 @27735 has 6 MA's), (221, 27843),

Gene: Xandras_39 Start: 33125, Stop: 33370, Start Num: 166

Candidate Starts for Xandras_39:

(Start: 166 @33125 has 192 MA's), (Start: 184 @33182 has 3 MA's), (195, 33215), (198, 33221), (219, 33275), (225, 33287),

Gene: Xerxes_50 Start: 34922, Stop: 35170, Start Num: 153

Candidate Starts for Xerxes_50:

(19, 34508), (54, 34715), (64, 34748), (105, 34844), (Start: 153 @34922 has 31 MA's), (Start: 166 @34934 has 192 MA's), (Start: 170 @34940 has 2 MA's), (195, 35018), (221, 35084), (222, 35087),

Gene: Ximenita_72 Start: 44093, Stop: 44332, Start Num: 164

Candidate Starts for Ximenita_72:

(106, 44009), (Start: 164 @44093 has 163 MA's), (Start: 170 @44102 has 2 MA's), (195, 44183), (222, 44252),

Gene: Yang_33 Start: 24867, Stop: 25133, Start Num: 145

Candidate Starts for Yang_33:

(37, 24609), (48, 24645), (Start: 145 @24867 has 23 MA's), (222, 25050),

Gene: YassJohnny_38 Start: 33650, Stop: 33895, Start Num: 166

Candidate Starts for YassJohnny_38:

(Start: 166 @33650 has 192 MA's), (Start: 184 @33707 has 3 MA's), (195, 33740), (198, 33746), (219, 33800), (225, 33812),

Gene: Yecey3_59 Start: 38093, Stop: 37821, Start Num: 125

Candidate Starts for Yecey3_59:

(Start: 125 @38093 has 115 MA's), (Start: 161 @38084 has 7 MA's), (Start: 182 @38027 has 1 MA's), (194, 37991), (213, 37943), (219, 37925),

Gene: Yeet_50 Start: 43428, Stop: 43673, Start Num: 167

Candidate Starts for Yeet_50:

(Start: 167 @43428 has 57 MA's), (185, 43491), (195, 43521), (196, 43524), (222, 43584), (224, 43587), (225, 43590),

Gene: Yelo_40 Start: 36381, Stop: 36626, Start Num: 159

Candidate Starts for Yelo_40:

(Start: 124 @36339 has 1 MA's), (Start: 159 @36381 has 15 MA's), (Start: 172 @36402 has 9 MA's), (Start: 176 @36423 has 2 MA's), (185, 36450), (226, 36549), (227, 36552), (228, 36555), (246, 36606),

Gene: YesChef_33 Start: 24727, Stop: 24969, Start Num: 145

Candidate Starts for YesChef_33:

(Start: 145 @24727 has 23 MA's), (222, 24886),

Gene: Yogi_45 Start: 34272, Stop: 33976, Start Num: 155

Candidate Starts for Yogi_45:

(Start: 155 @34272 has 37 MA's), (Start: 170 @34254 has 2 MA's), (Start: 172 @34248 has 9 MA's), (211, 34131), (222, 34098), (225, 34092), (249, 34032), (262, 33984),

Gene: Yoncess_45 Start: 34052, Stop: 33756, Start Num: 155

Candidate Starts for Yoncess_45:

(Start: 155 @34052 has 37 MA's), (Start: 170 @34034 has 2 MA's), (Start: 172 @34028 has 9 MA's), (211, 33911), (222, 33878), (225, 33872), (249, 33812), (262, 33764),

Gene: Youngblood_37 Start: 33295, Stop: 33540, Start Num: 166

Candidate Starts for Youngblood_37:

(Start: 166 @33295 has 192 MA's), (Start: 184 @33352 has 3 MA's), (195, 33385), (198, 33391), (217, 33439), (219, 33445), (225, 33457),

Gene: YoureAdopted_66 Start: 44035, Stop: 44277, Start Num: 164

Candidate Starts for YoureAdopted_66:

(Start: 164 @44035 has 163 MA's), (195, 44125), (232, 44221), (242, 44245),

Gene: Yuma_34 Start: 10257, Stop: 10511, Start Num: 167

Candidate Starts for Yuma_34:

(Start: 148 @10242 has 1 MA's), (Start: 167 @10257 has 57 MA's), (179, 10302), (226, 10425),

Gene: Yuna_71 Start: 45201, Stop: 45449, Start Num: 164

Candidate Starts for Yuna_71:

(106, 45129), (Start: 164 @45201 has 163 MA's), (195, 45291), (218, 45351), (242, 45411),

Gene: Yunkel11_71 Start: 43949, Stop: 44191, Start Num: 164

Candidate Starts for Yunkel11_71:

(103, 43871), (Start: 164 @43949 has 163 MA's), (232, 44135),

Gene: Yvonnetastic_129 Start: 73454, Stop: 73753, Start Num: 147

Candidate Starts for Yvonnetastic_129:

(Start: 147 @73454 has 13 MA's), (179, 73514), (194, 73556), (198, 73565), (211, 73601), (221, 73631),

Gene: Zabiza_62 Start: 39772, Stop: 40014, Start Num: 164

Candidate Starts for Zabiza_62:

(Start: 164 @39772 has 163 MA's), (195, 39862), (232, 39958), (242, 39982),

Gene: Zakai_32 Start: 28678, Stop: 28944, Start Num: 166
Candidate Starts for Zakai_32:
(Start: 166 @28678 has 192 MA's), (Start: 178 @28723 has 6 MA's), (225, 28840), (259, 28933),

Gene: Zaria_30 Start: 27704, Stop: 27973, Start Num: 166
Candidate Starts for Zaria_30:
(Start: 166 @27704 has 192 MA's), (Start: 178 @27749 has 6 MA's), (221, 27857),

Gene: Zavala_69 Start: 44194, Stop: 44436, Start Num: 164
Candidate Starts for Zavala_69:
(Start: 164 @44194 has 163 MA's), (195, 44284), (232, 44380), (242, 44404),

Gene: Zelink_53 Start: 45222, Stop: 45467, Start Num: 167
Candidate Starts for Zelink_53:
(Start: 167 @45222 has 57 MA's), (185, 45285), (195, 45315), (196, 45318), (222, 45378), (224, 45381), (225, 45384),

Gene: Zenon_41 Start: 36400, Stop: 36645, Start Num: 159
Candidate Starts for Zenon_41:
(Start: 124 @36358 has 1 MA's), (Start: 159 @36400 has 15 MA's), (Start: 172 @36421 has 9 MA's),
(Start: 176 @36442 has 2 MA's), (185, 36469), (226, 36568), (227, 36571), (228, 36574), (246, 36625),

Gene: Zeta1847_35 Start: 25236, Stop: 25493, Start Num: 123
Candidate Starts for Zeta1847_35:
(1, 24102), (2, 24135), (3, 24270), (53, 25080), (Start: 123 @25236 has 10 MA's), (162, 25275),

Gene: Zeuska_67 Start: 44044, Stop: 43775, Start Num: 122
Candidate Starts for Zeuska_67:
(Start: 120 @44047 has 32 MA's), (Start: 122 @44044 has 105 MA's), (Start: 126 @44032 has 7 MA's), (189, 43942), (198, 43921), (211, 43891), (221, 43861),

Gene: ZhongYanYuan_31 Start: 28288, Stop: 28509, Start Num: 178
Candidate Starts for ZhongYanYuan_31:
(Start: 166 @28243 has 192 MA's), (Start: 178 @28288 has 6 MA's), (196, 28339), (249, 28477), (259, 28498),

Gene: Zimmer_55 Start: 39223, Stop: 38951, Start Num: 125
Candidate Starts for Zimmer_55:
(109, 39253), (Start: 125 @39223 has 115 MA's), (194, 39121), (213, 39073), (219, 39055), (224, 39043),

Gene: ZoeJ_68 Start: 45471, Stop: 45716, Start Num: 164
Candidate Starts for ZoeJ_68:
(112, 45414), (114, 45420), (Start: 164 @45471 has 163 MA's), (195, 45561), (211, 45597), (222, 45630),

Gene: Zooman_18 Start: 8314, Stop: 8547, Start Num: 167
Candidate Starts for Zooman_18:
(Start: 167 @8314 has 57 MA's), (190, 8389), (245, 8536),

Gene: Zooman_185 Start: 110949, Stop: 110695, Start Num: 166
Candidate Starts for Zooman_185:

(130, 110997), (Start: 166 @110949 has 192 MA's),

Gene: Zooman_331 Start: 183965, Stop: 184198, Start Num: 167

Candidate Starts for Zooman_331:

(Start: 167 @183965 has 57 MA's), (190, 184040), (245, 184187),

Gene: xkcd_38 Start: 33304, Stop: 33549, Start Num: 166

Candidate Starts for xkcd_38:

(Start: 166 @33304 has 192 MA's), (Start: 184 @33361 has 3 MA's), (195, 33394), (198, 33400), (219, 33454), (225, 33466),