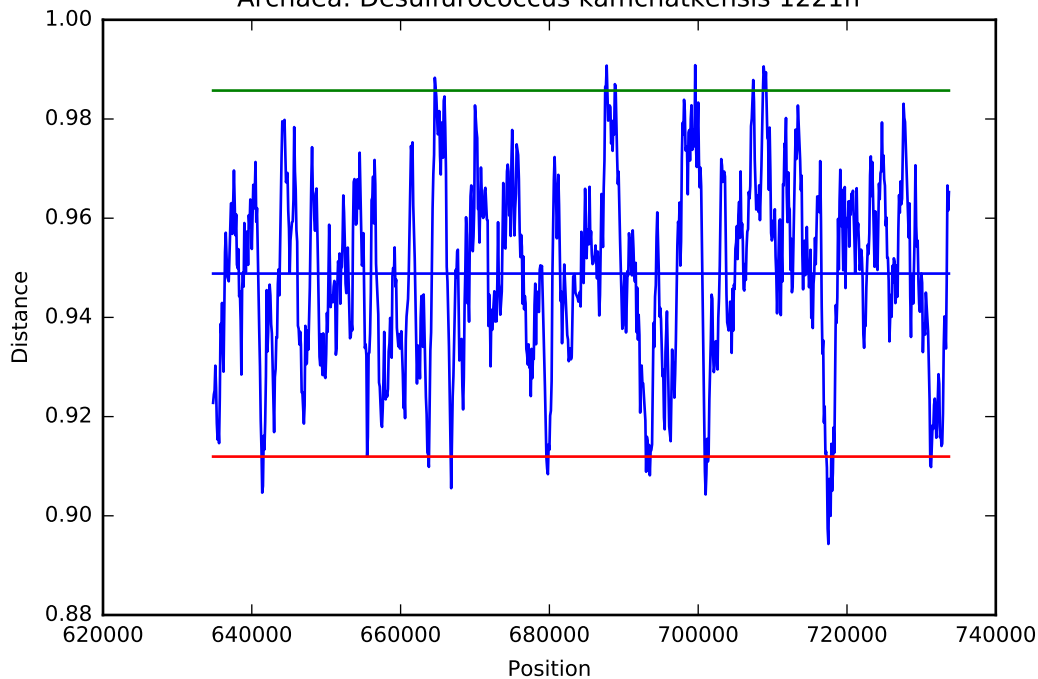
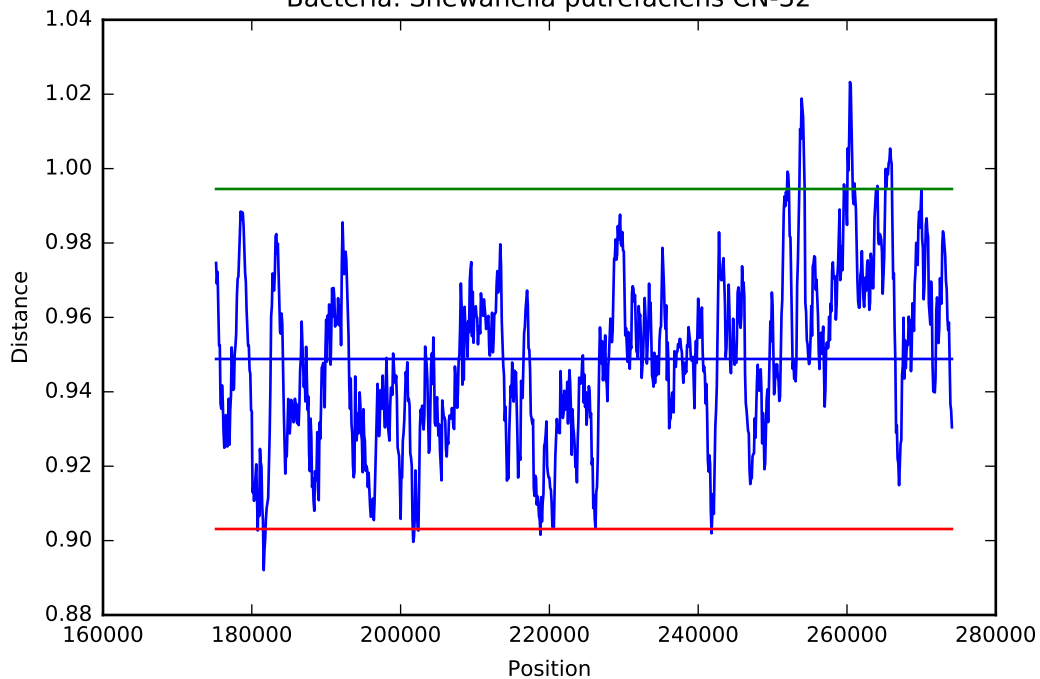


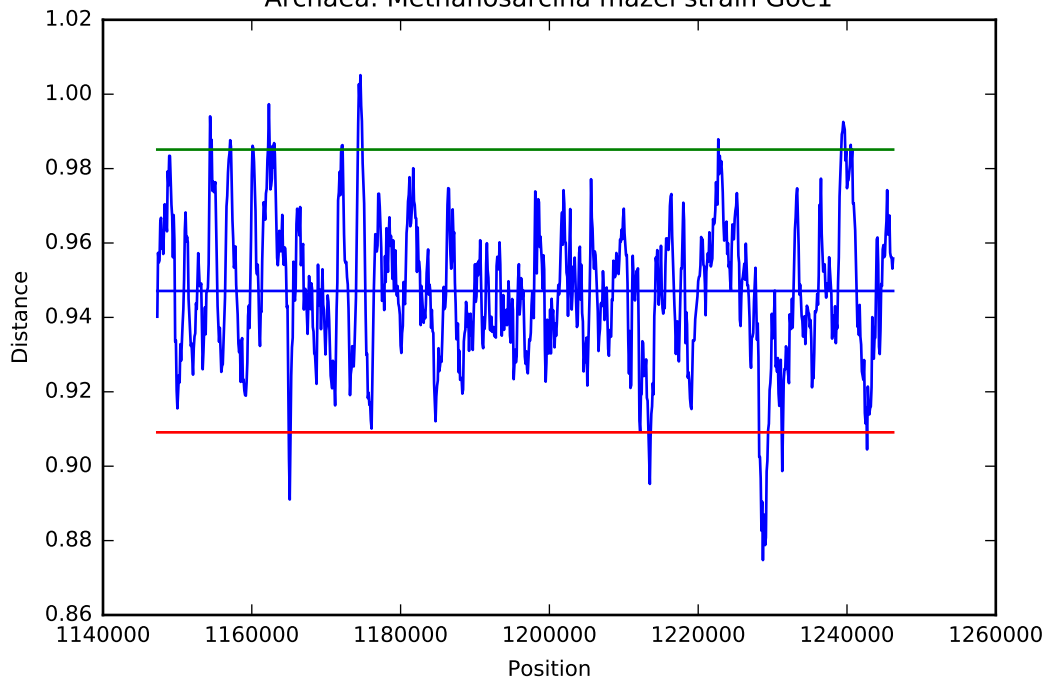
Archaea: *Desulfurococcus kamchatkensis* 1221n



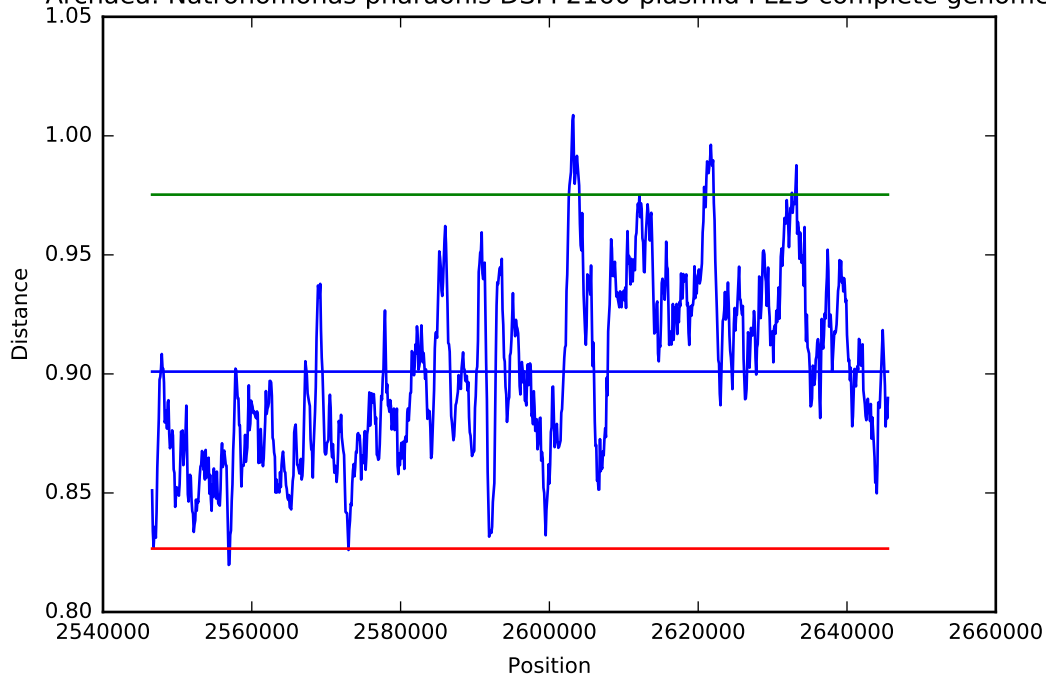
# Bacteria: *Shewanella putrefaciens* CN-32



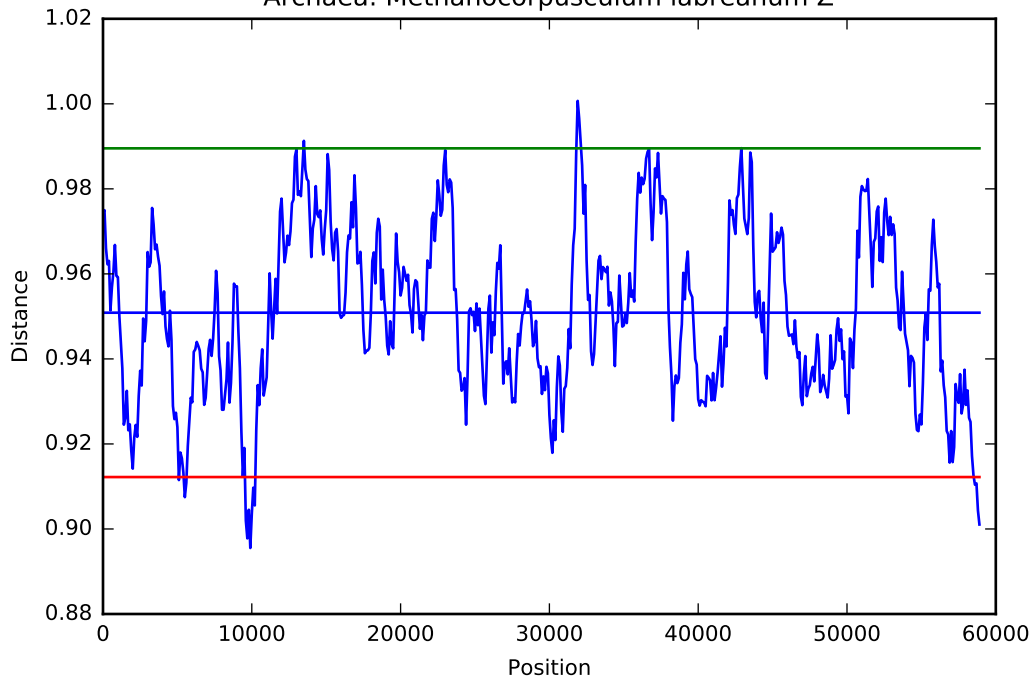
# Archaea: Methanosarcina mazei strain Goe1



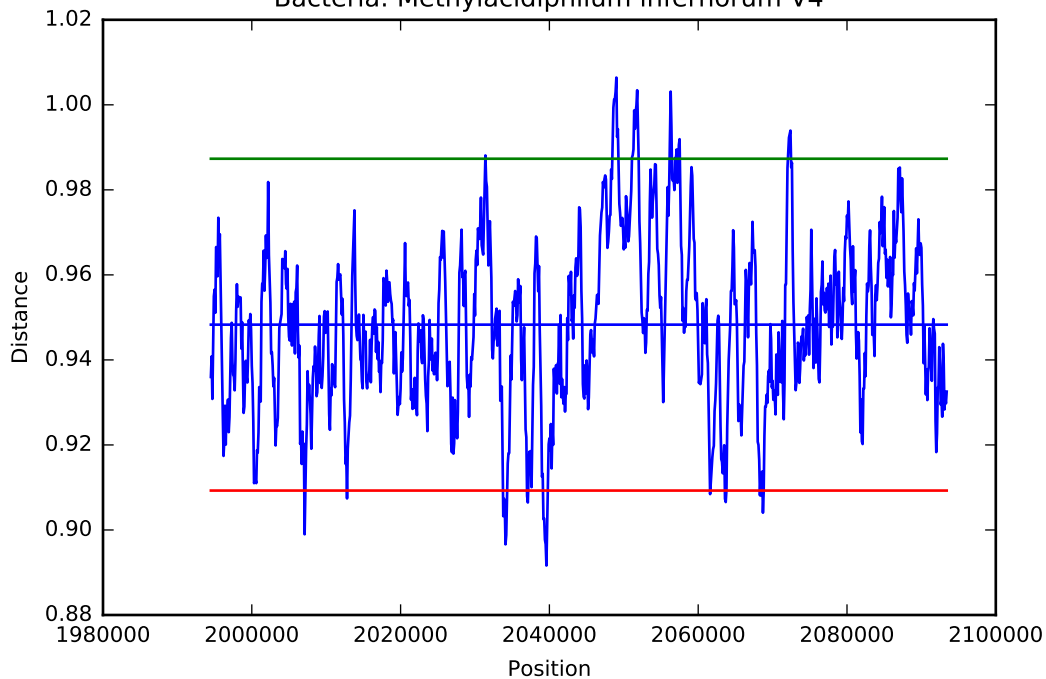
Archaea: Natronomonas pharaonis DSM 2160 plasmid PL23 complete genome



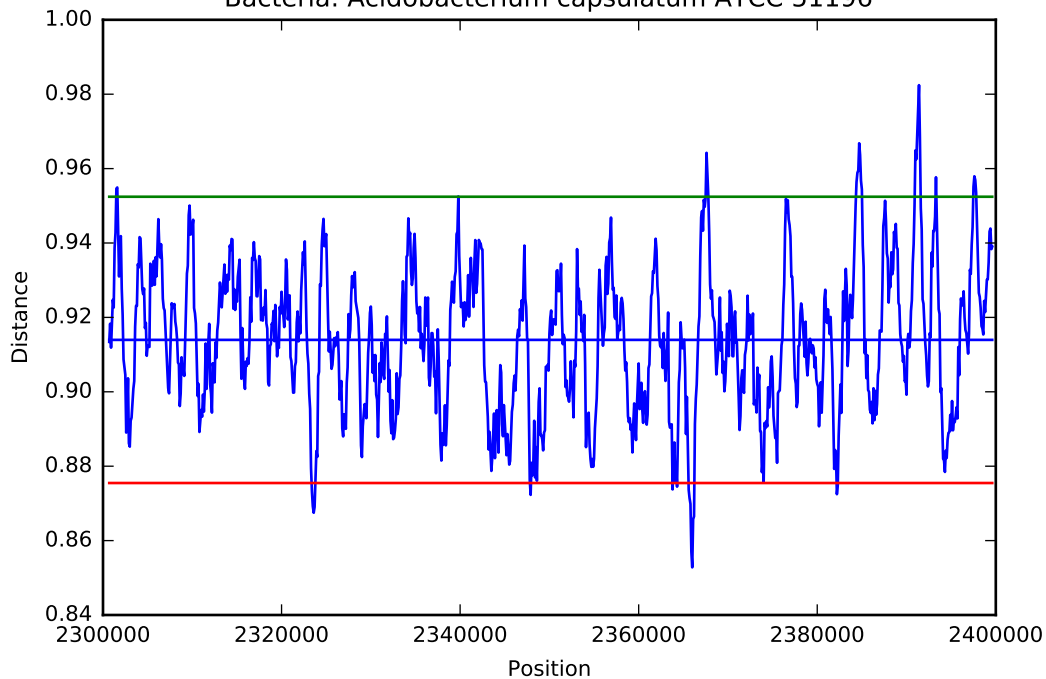
# Archaea: Methanocorpusculum labreanum Z



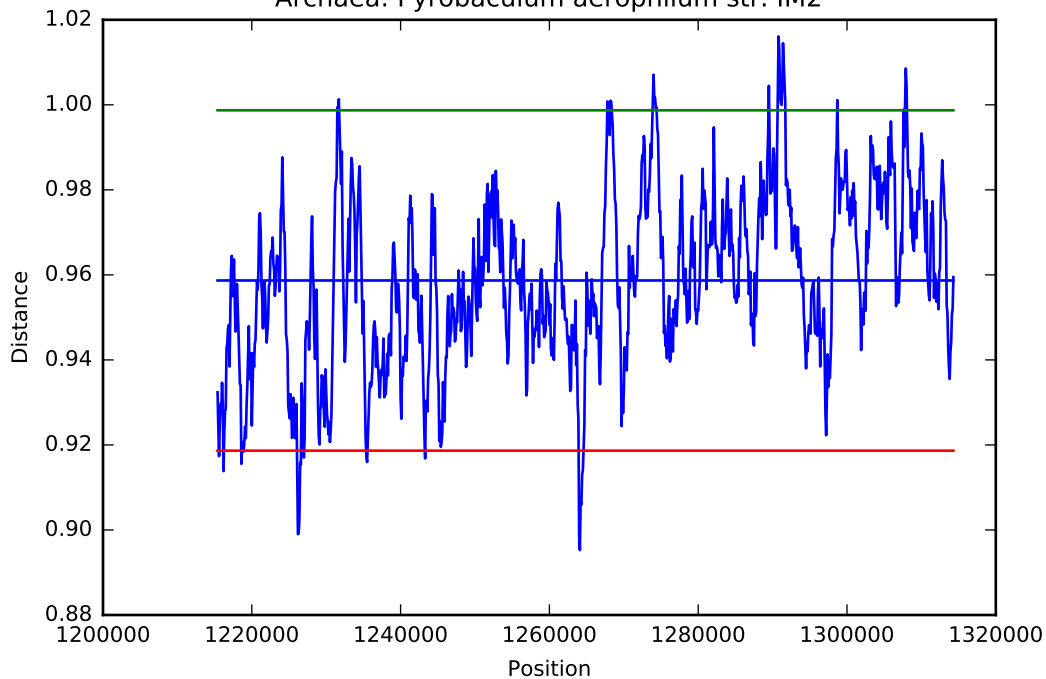
# Bacteria: *Methylobacterium inferorum* V4



# Bacteria: *Acidobacterium capsulatum* ATCC 51196

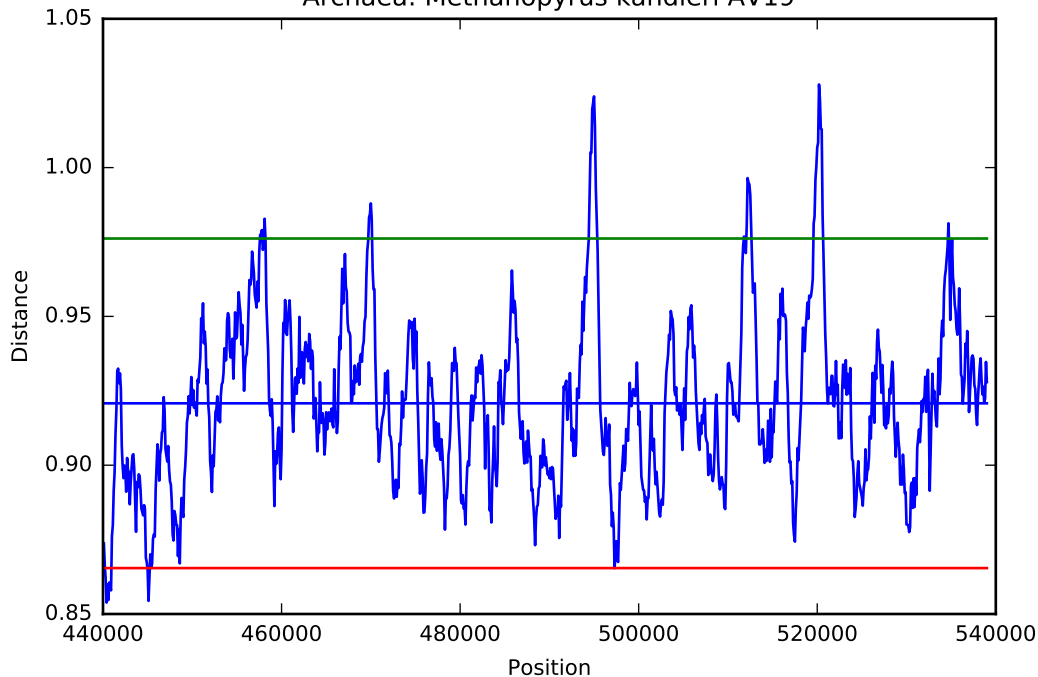


# Archaea: Pyrobaculum aerophilum str. IM2

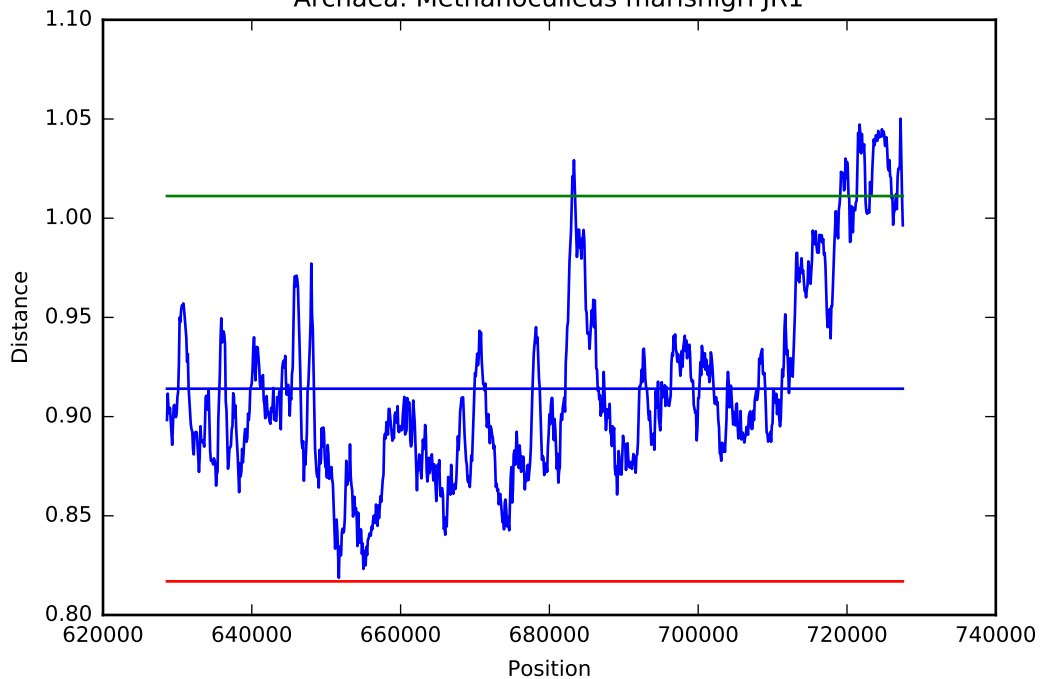




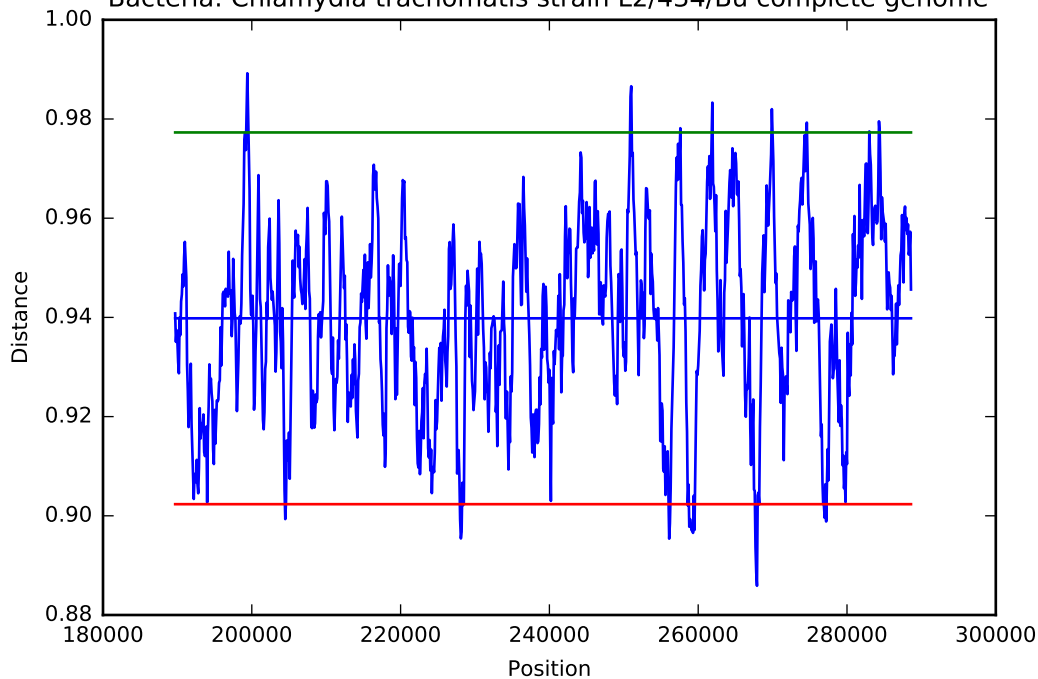
# Archaea: Methanopyrus kandleri AV19



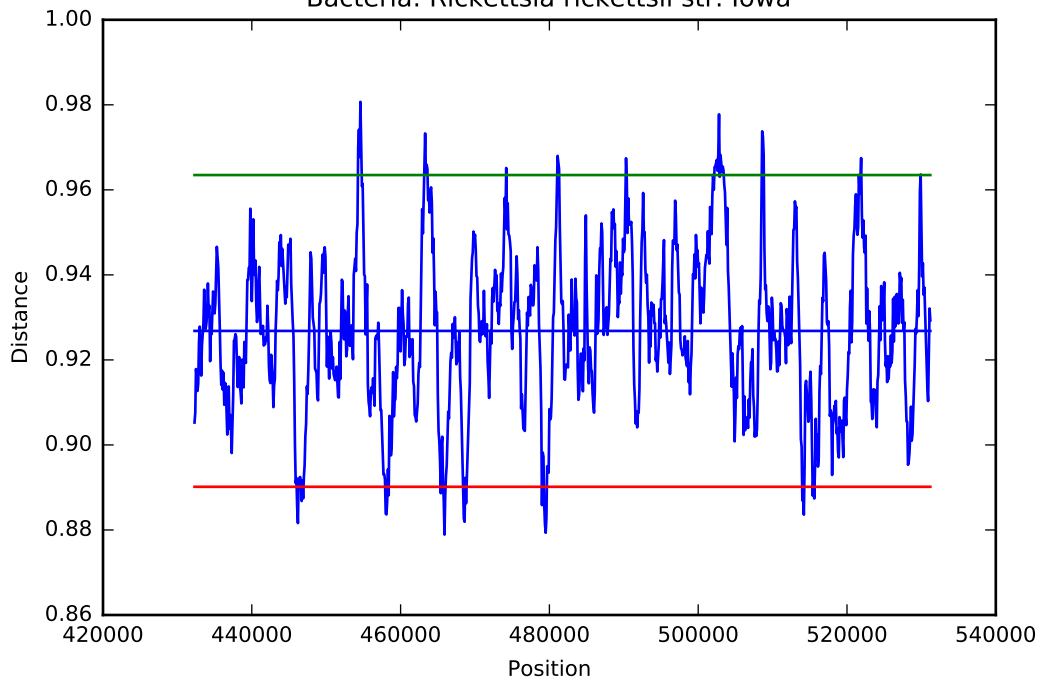
# Archaea: Methanoculleus marisnigri JR1



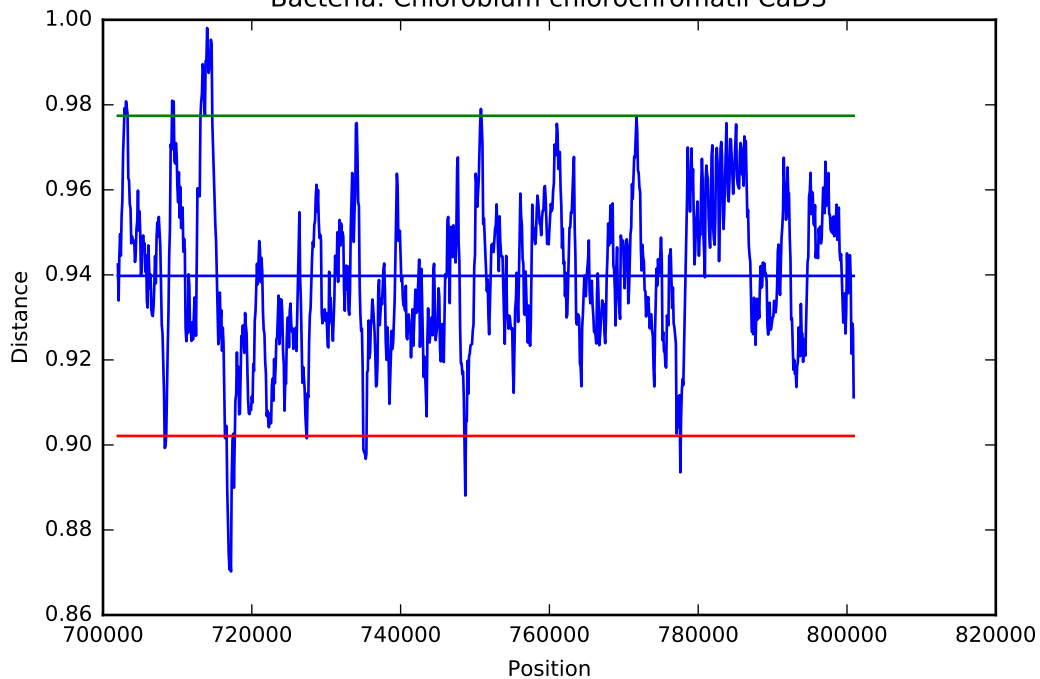
Bacteria: Chlamydia trachomatis strain L2/434/Bu complete genome



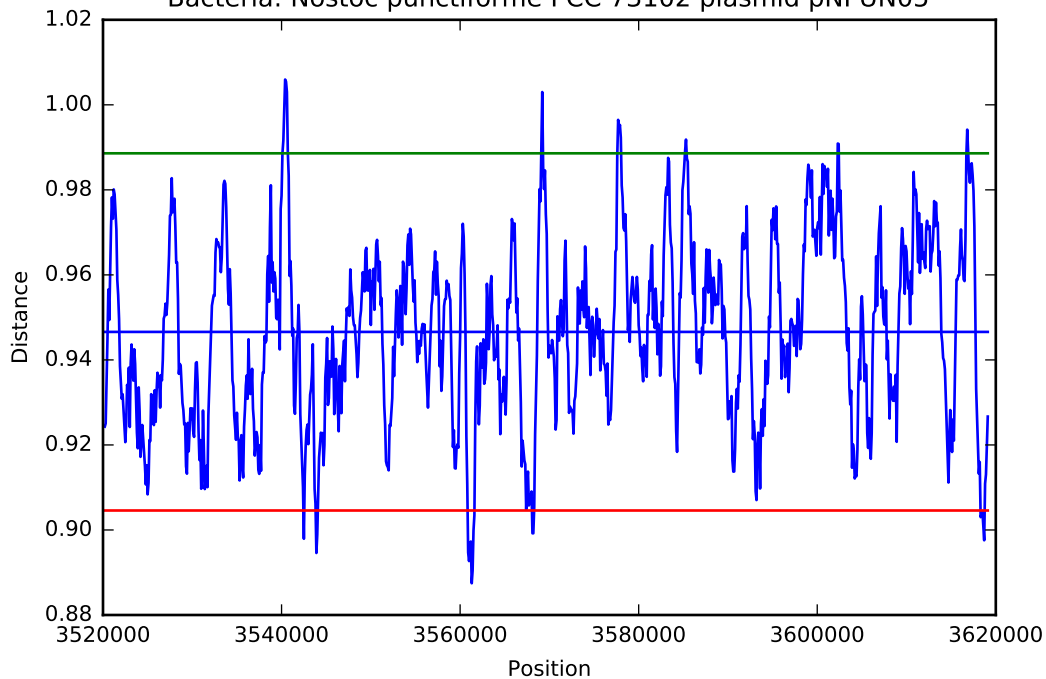
# Bacteria: Rickettsia rickettsii str. Iowa



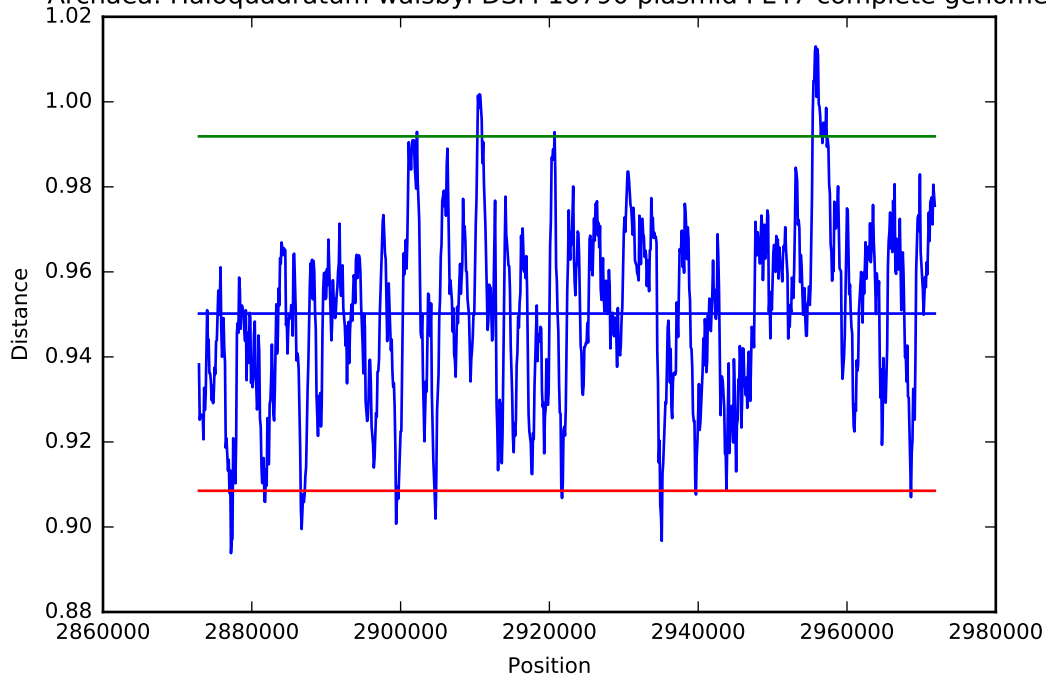
# Bacteria: *Chlorobium chlorochromatii* CaD3



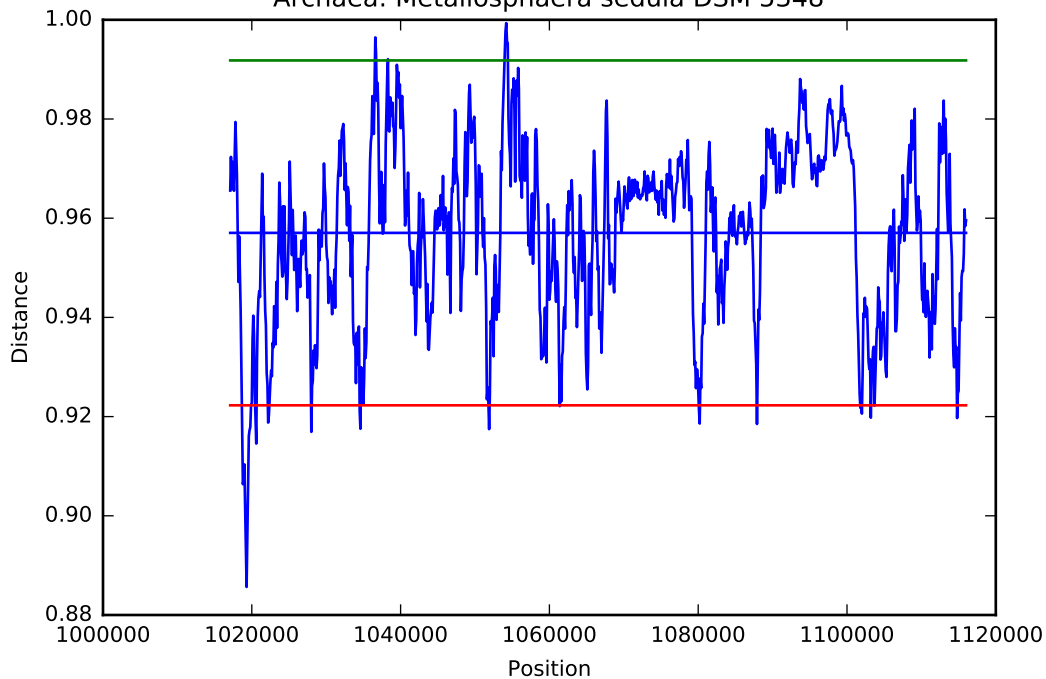
Bacteria: *Nostoc punctiforme* PCC 73102 plasmid pNPUN05



Archaea: Haloquadratum walsbyi DSM 16790 plasmid PL47 complete genome

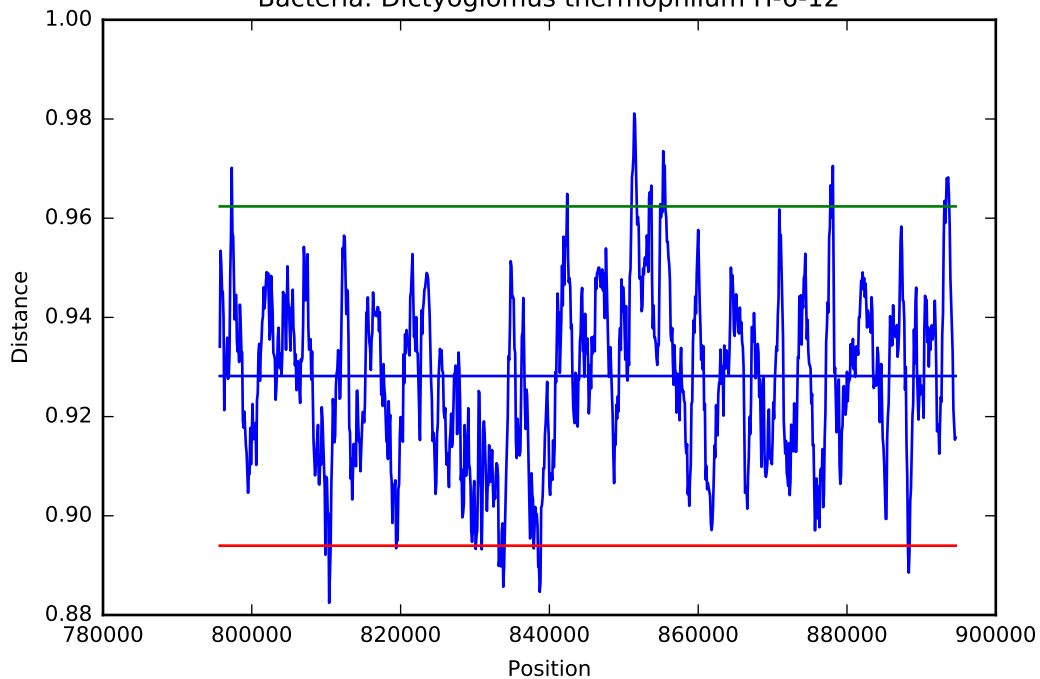


# Archaea: Metallosphaera sedula DSM 5348

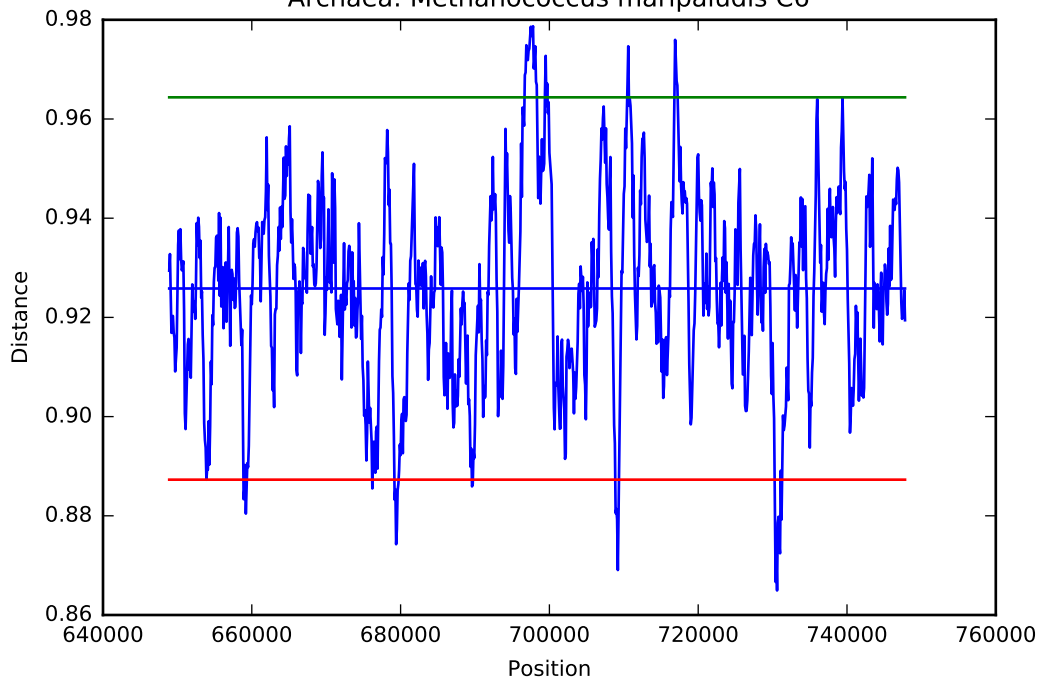




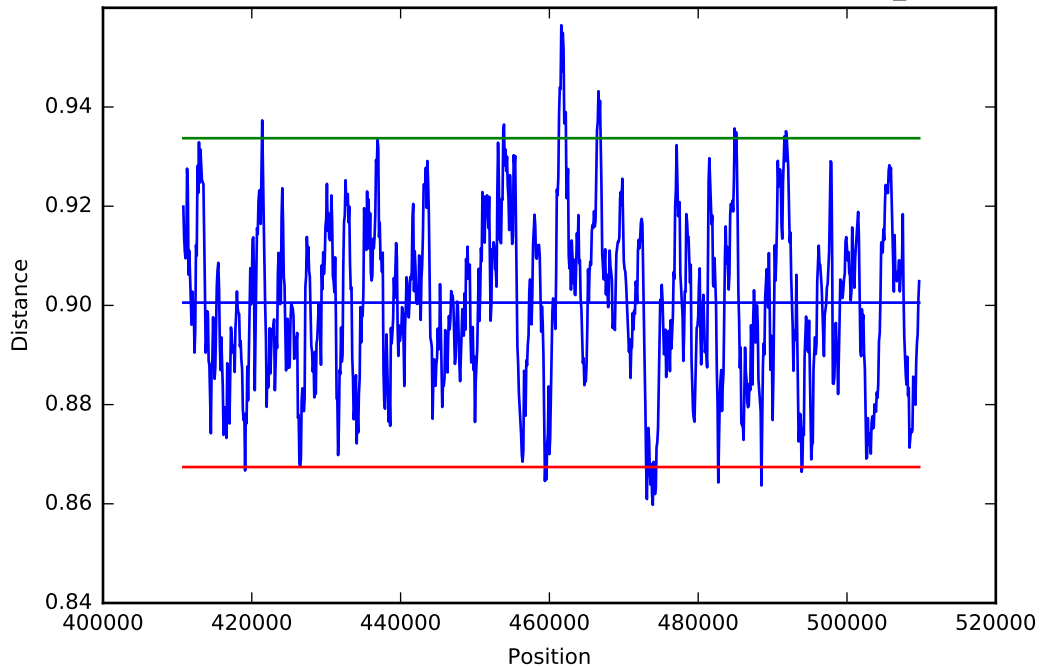
Bacteria: *Dictyoglomus thermophilum* H-6-12



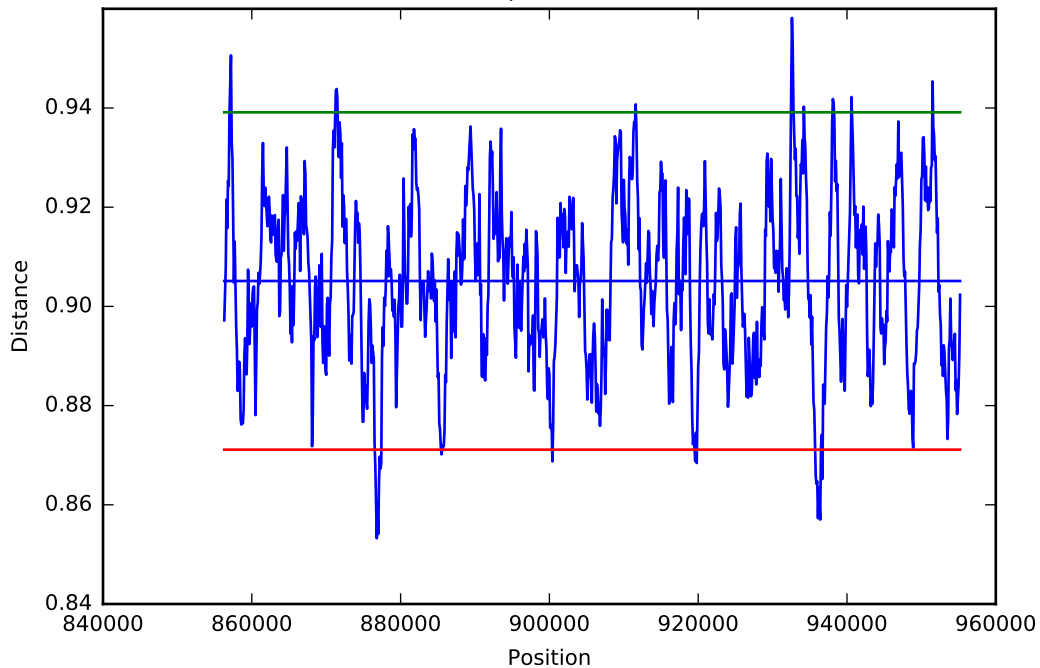
# Archaea: Methanococcus maripaludis C6



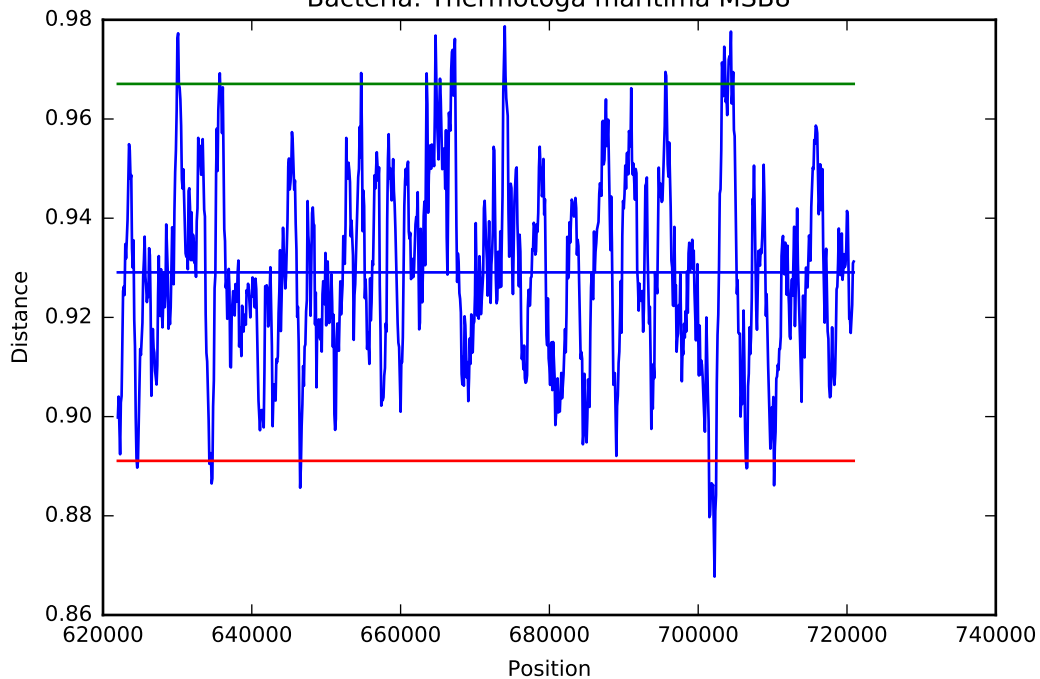
Bacteria: *Mycoplasma genitalium* G37 strain G-37 unique\_12



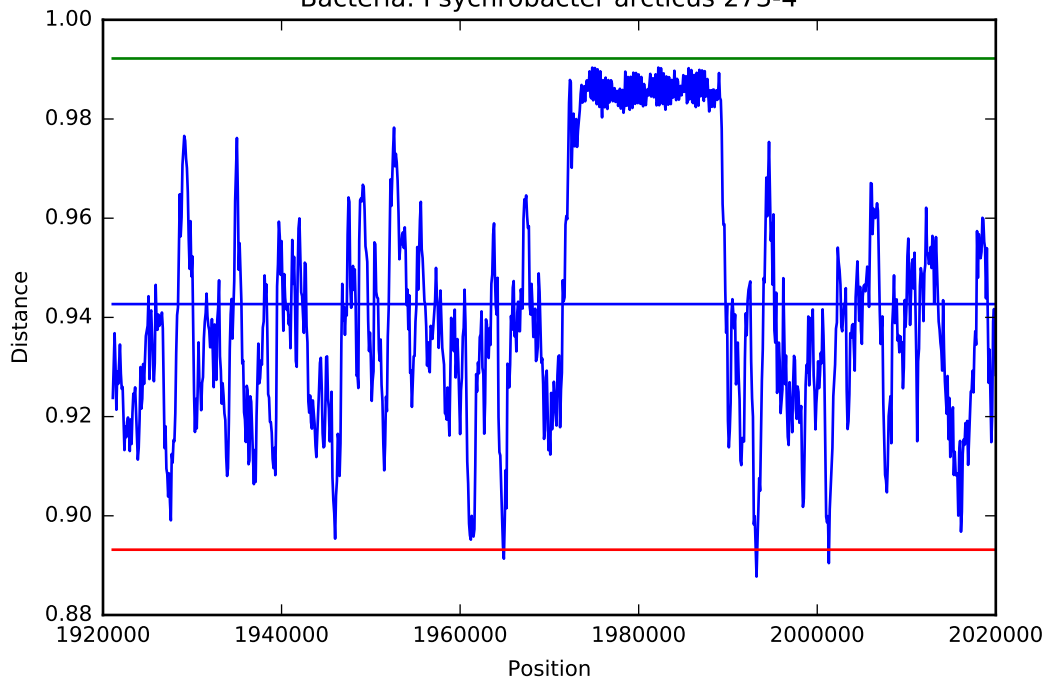
# Bacteria: *Acholeplasma laidlawii* PG-8A



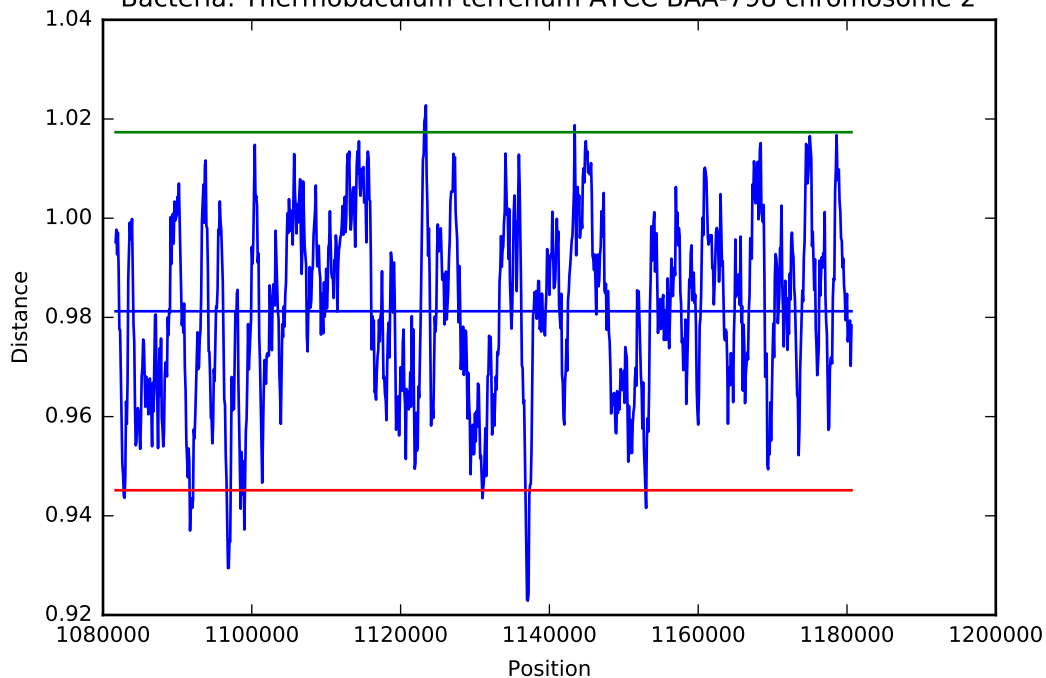
Bacteria: *Thermotoga maritima* MSB8



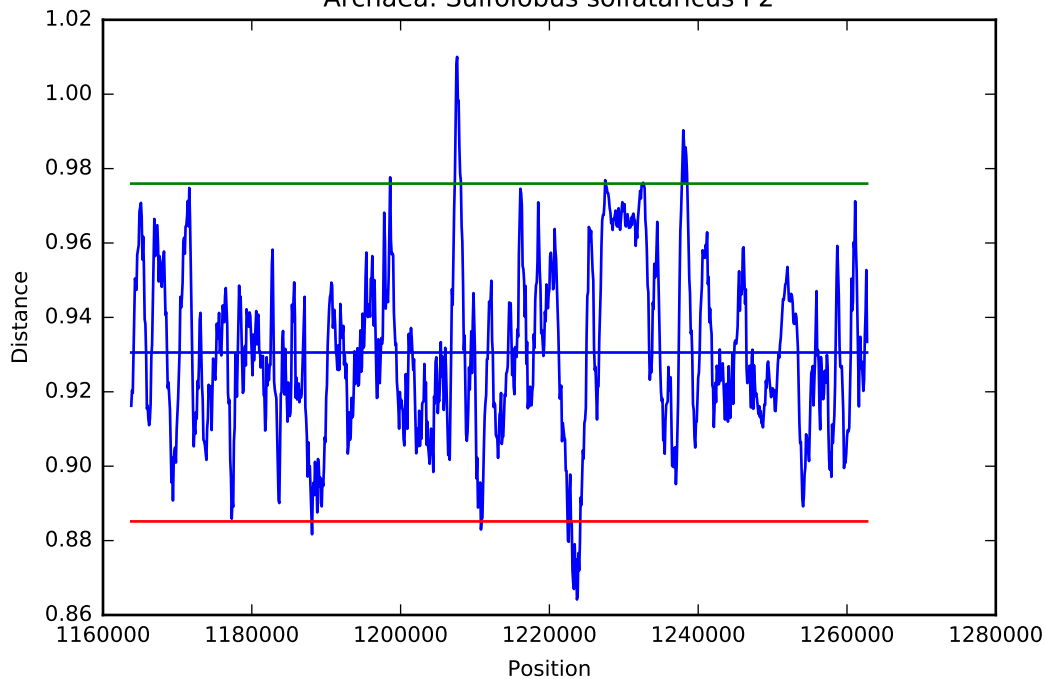
Bacteria: *Psychrobacter arcticus* 273-4



Bacteria: *Thermobaculum terrenum* ATCC BAA-798 chromosome 2

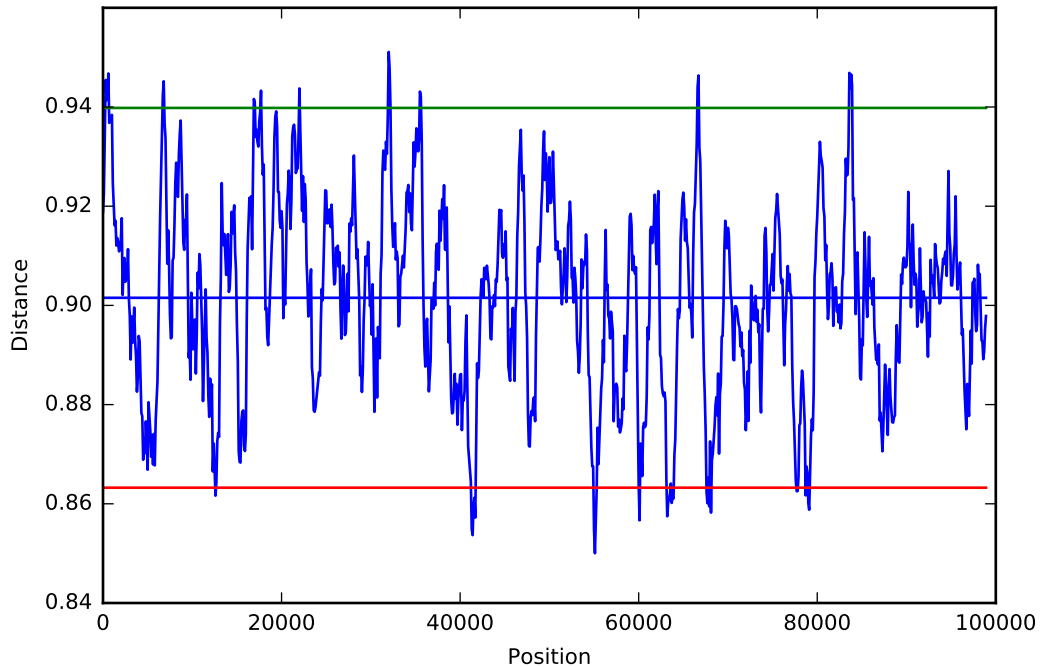


# Archaea: Sulfolobus solfataricus P2

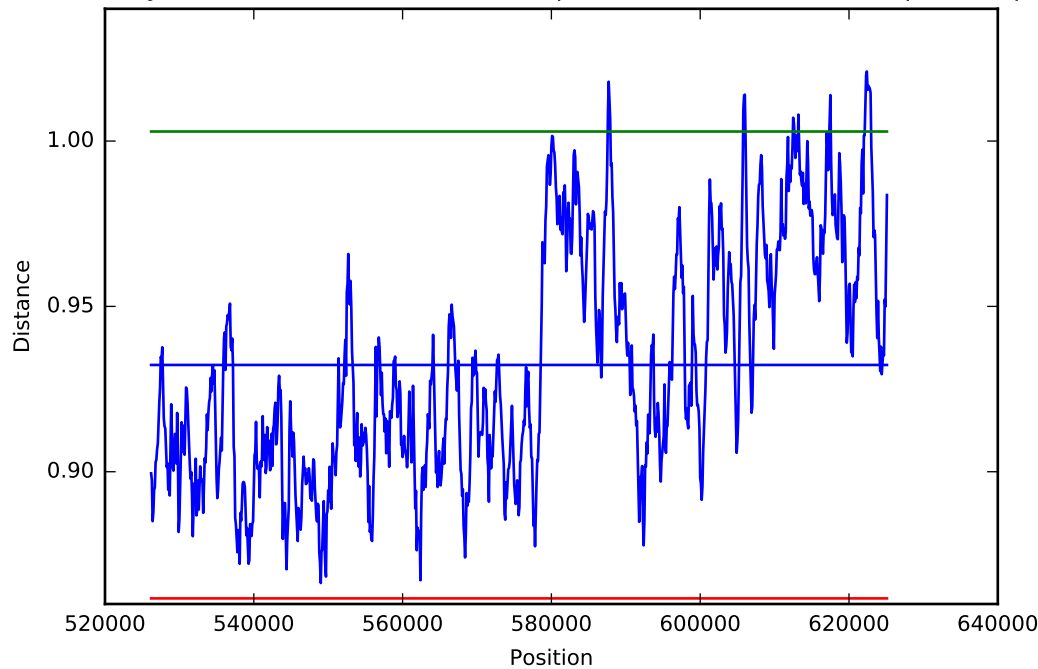




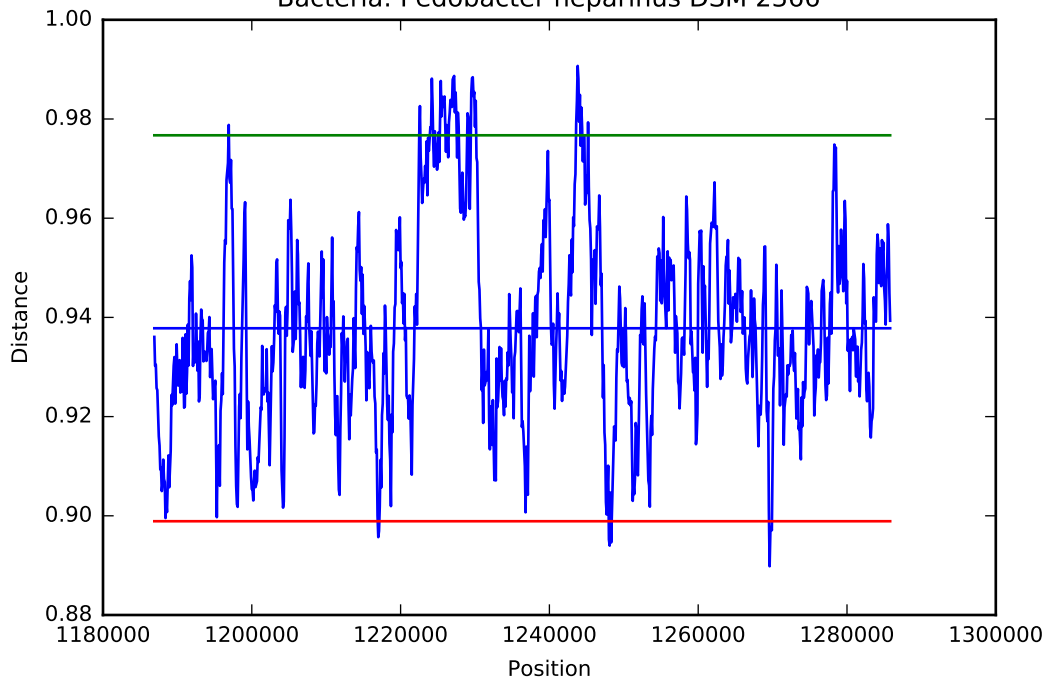
# Archaea: Nitrosopumilus maritimus SCM1



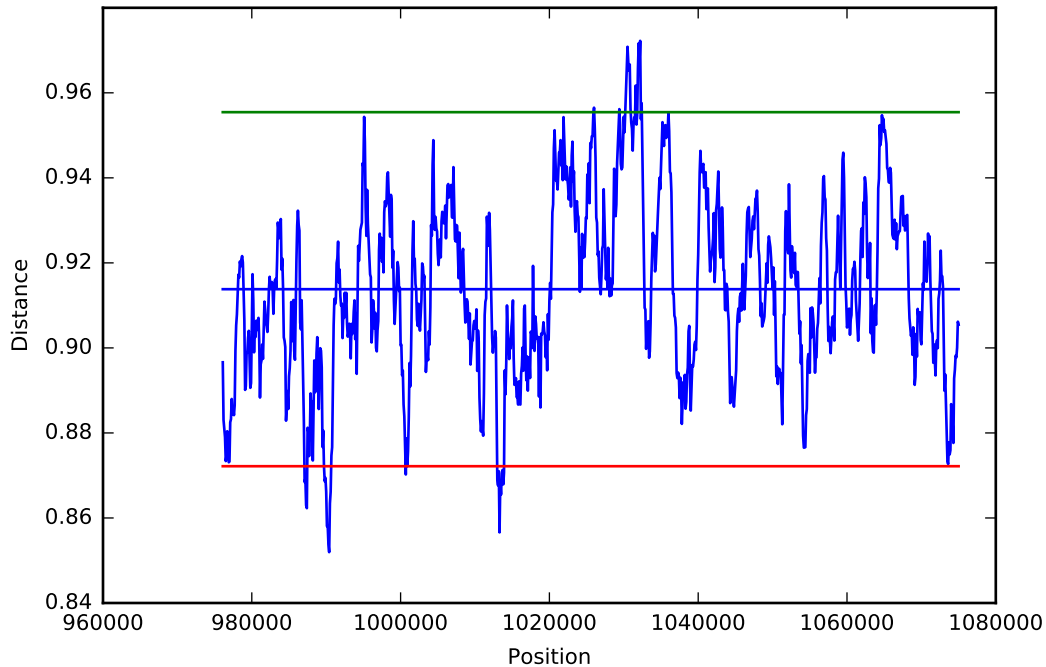
Bacteria: *Alicyclobacillus acidocaldarius* subsp. *acidocaldarius* DSM 446 plasmid pAACI03



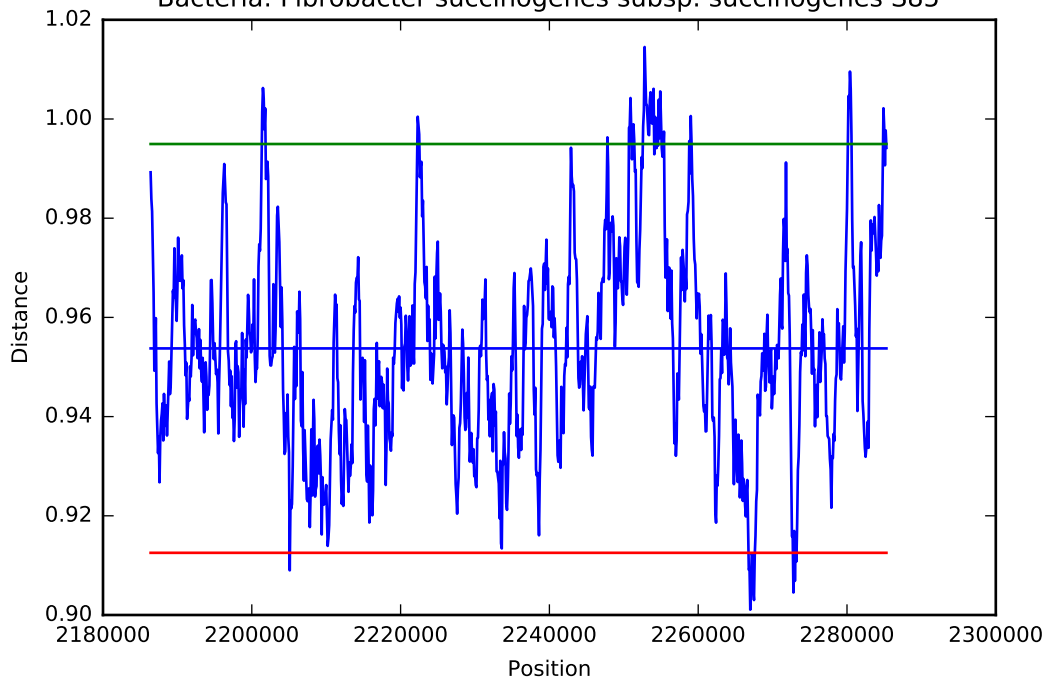
Bacteria: *Pedobacter heparinus* DSM 2366



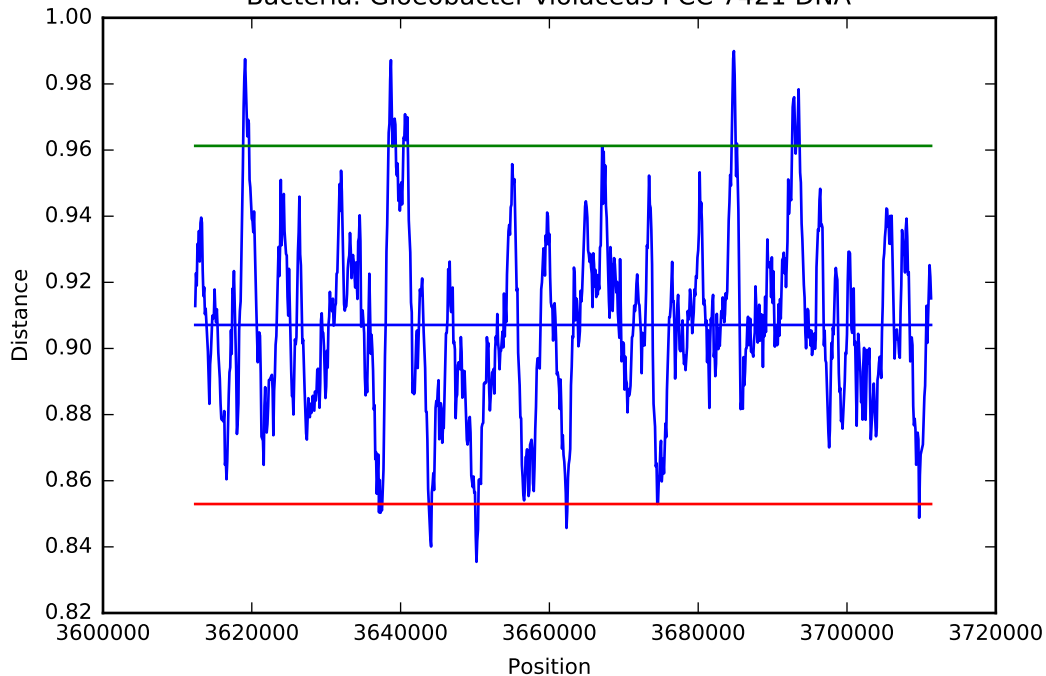
Archaea: *Methanosphaera stadtmanae* DSM 3091



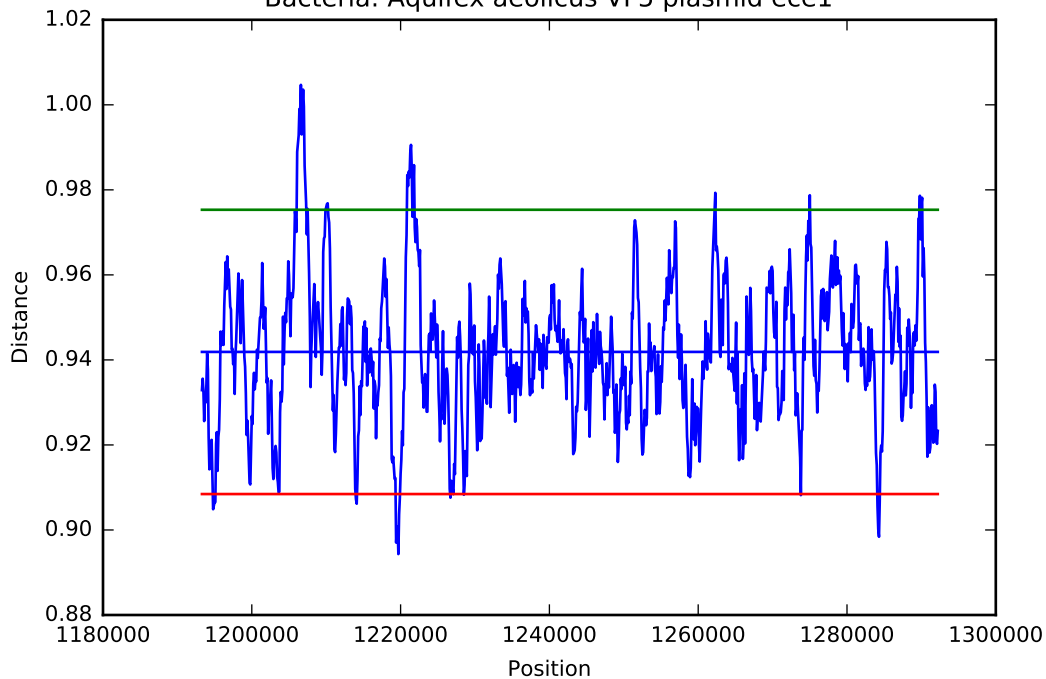
Bacteria: *Fibrobacter succinogenes* subsp. *succinogenes* S85



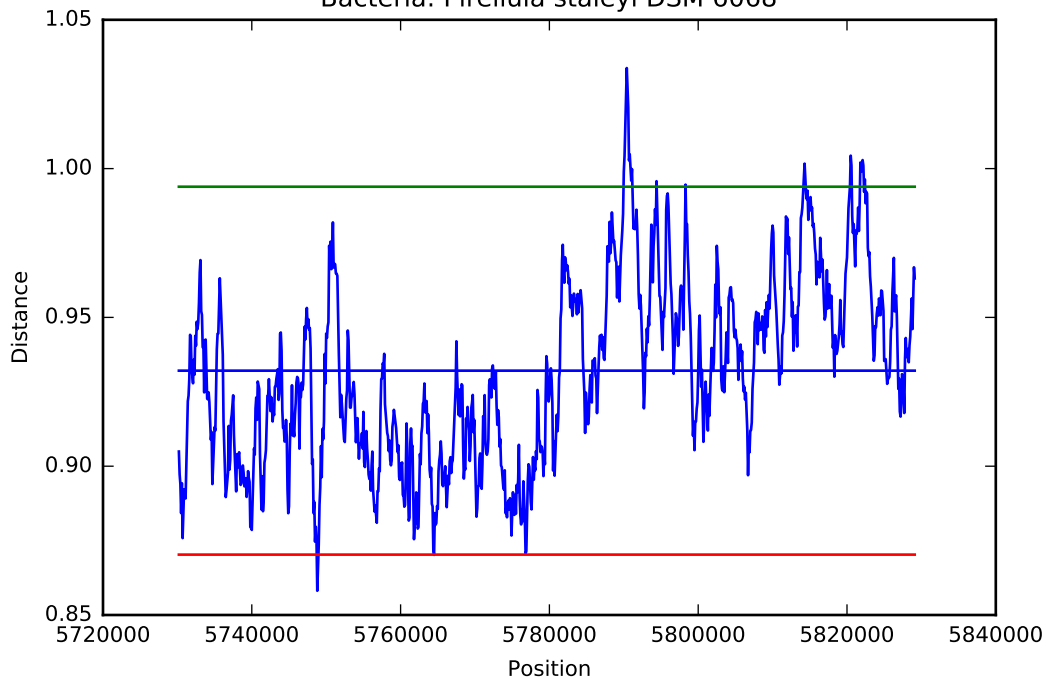
Bacteria: *Gloeobacter violaceus* PCC 7421 DNA



Bacteria: Aquifex aeolicus VF5 plasmid ece1

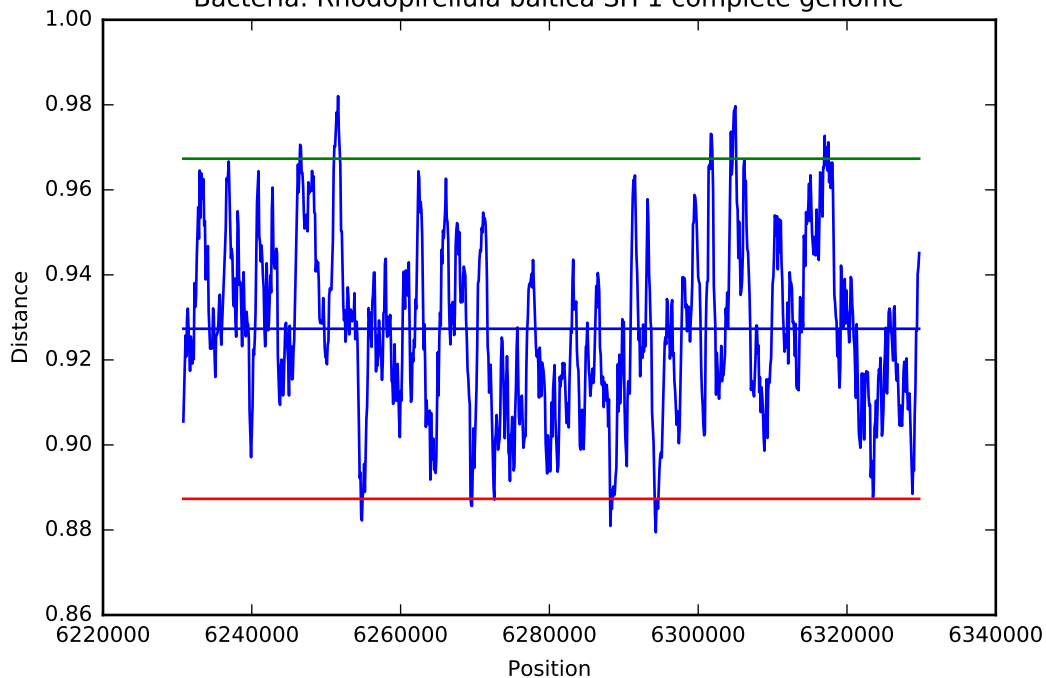


Bacteria: *Pirellula staleyi* DSM 6068

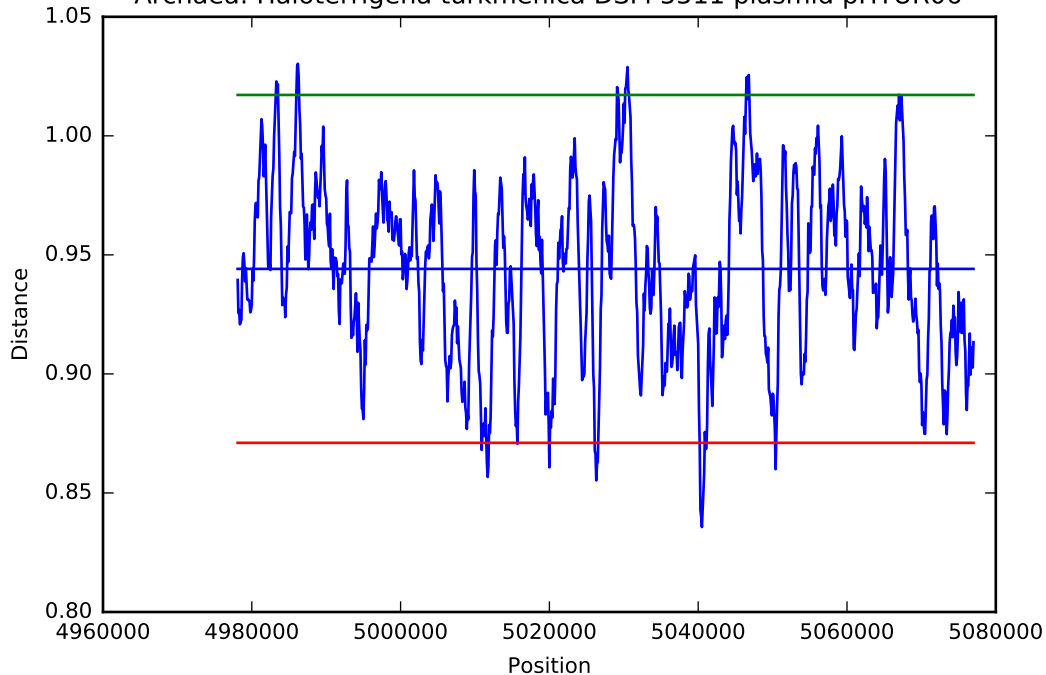




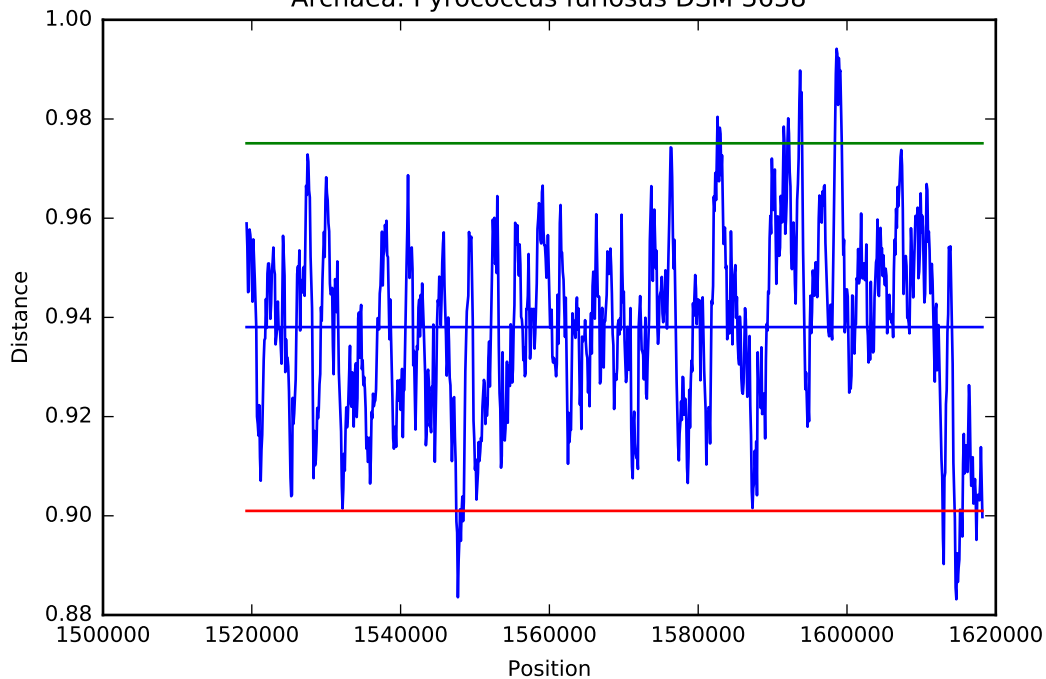
# Bacteria: *Rhodopirellula baltica* SH 1 complete genome



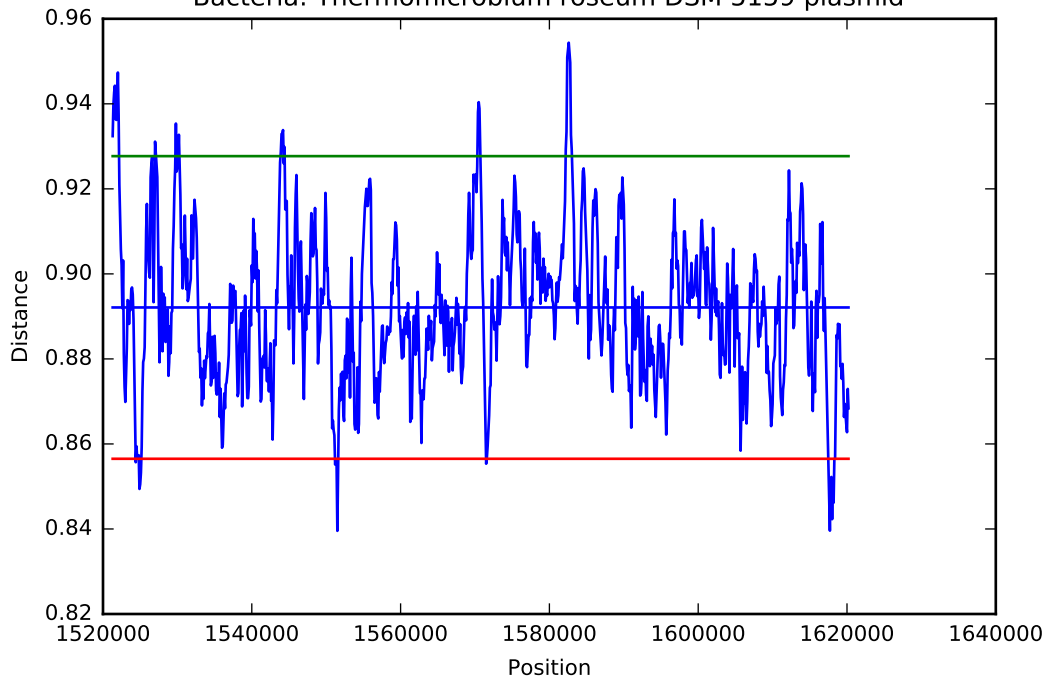
Archaea: Haloterrigena turkmenica DSM 5511 plasmid pHTUR06



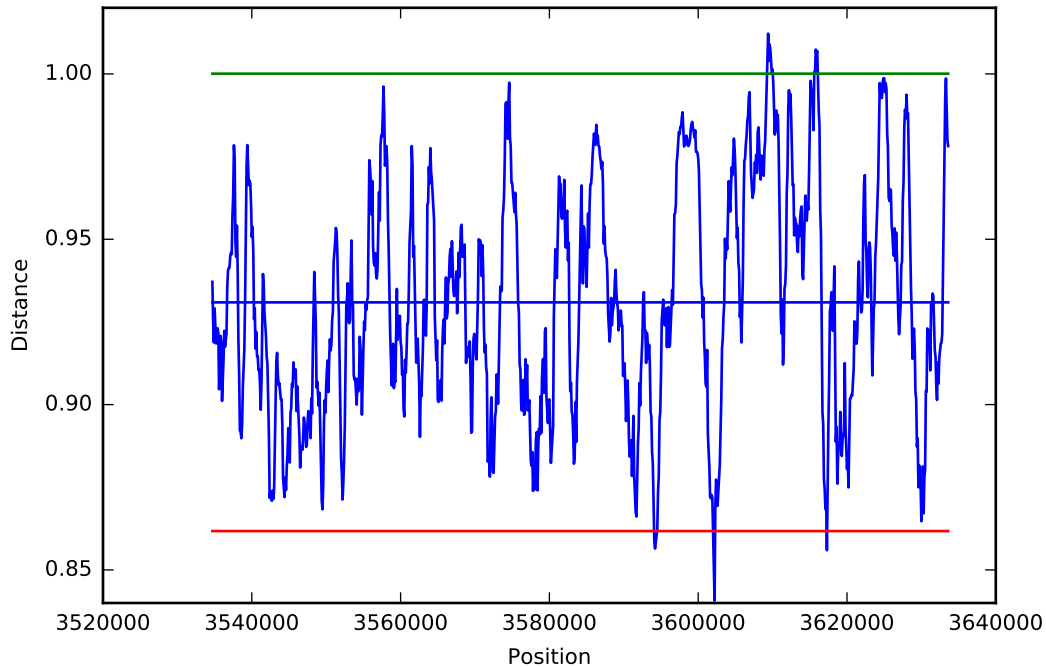
# Archaea: *Pyrococcus furiosus* DSM 3638



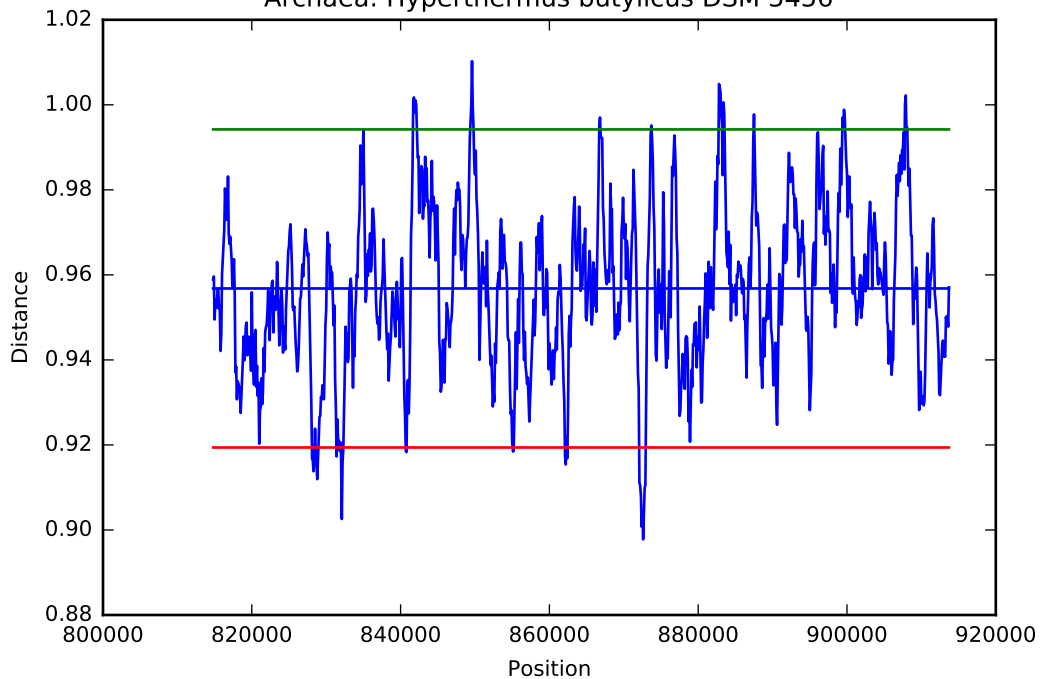
Bacteria: *Thermomicrobium roseum* DSM 5159 plasmid



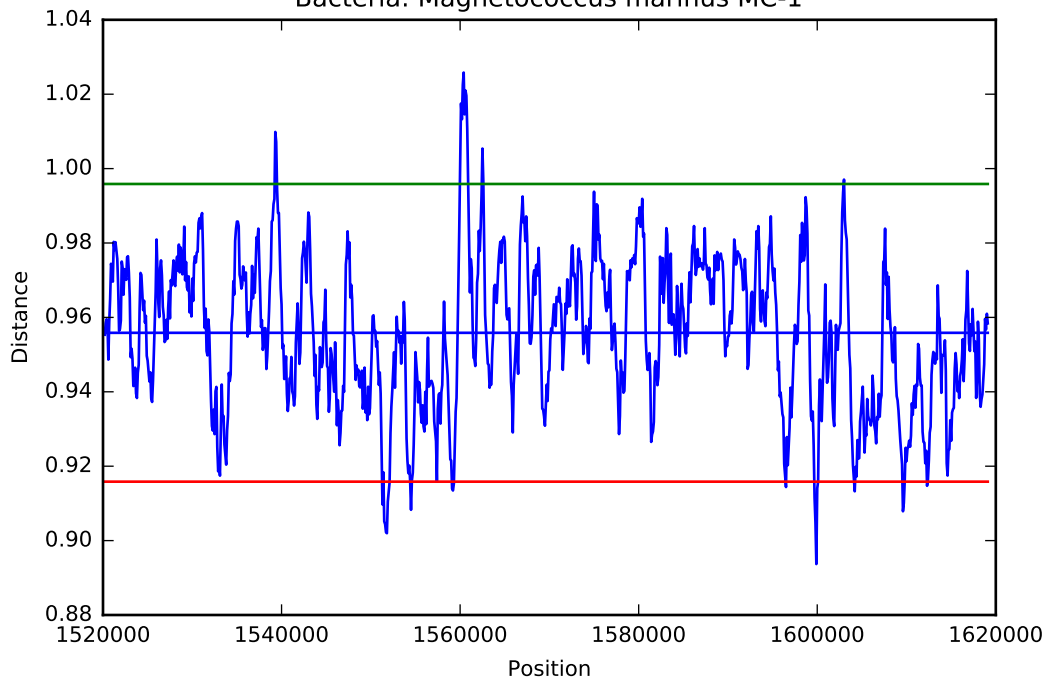
Archaea: *Haloarcula marismortui* ATCC 43049 plasmid pNG700



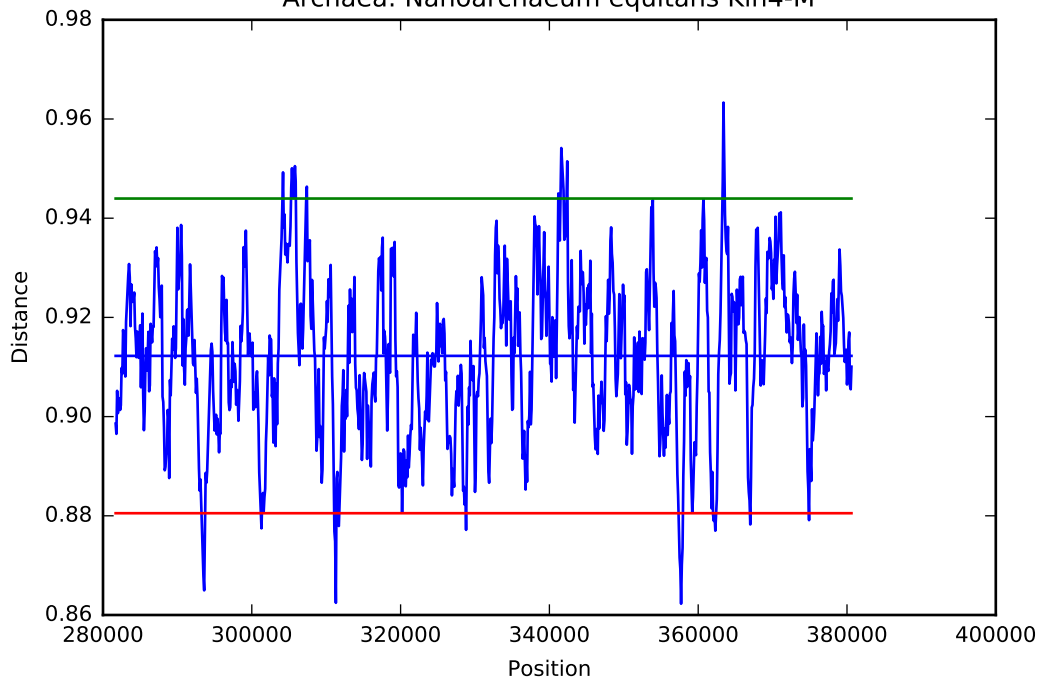
# Archaea: *Hyperthermus butylicus* DSM 5456



# Bacteria: Magnetococcus marinus MC-1

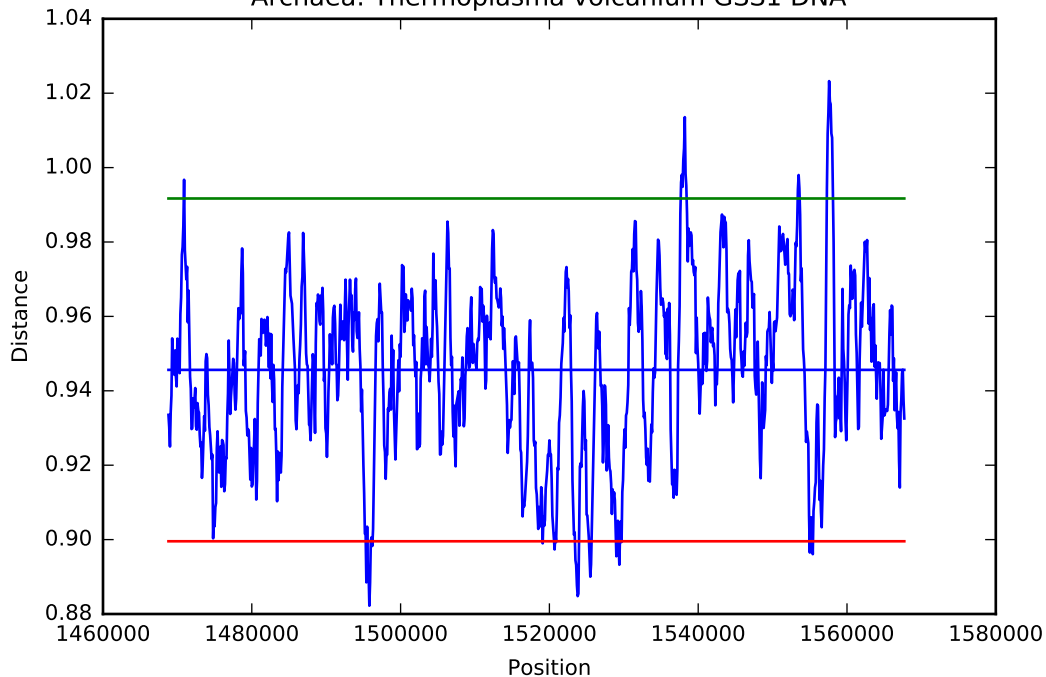


Archaea: Nanoarchaeum equitans Kin4-M

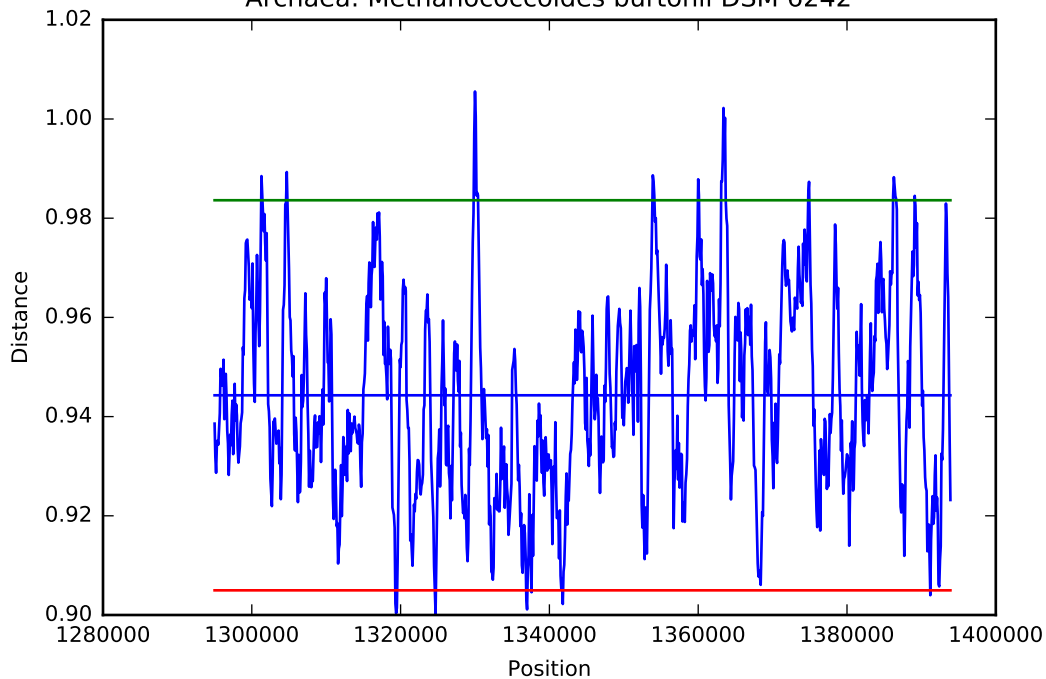




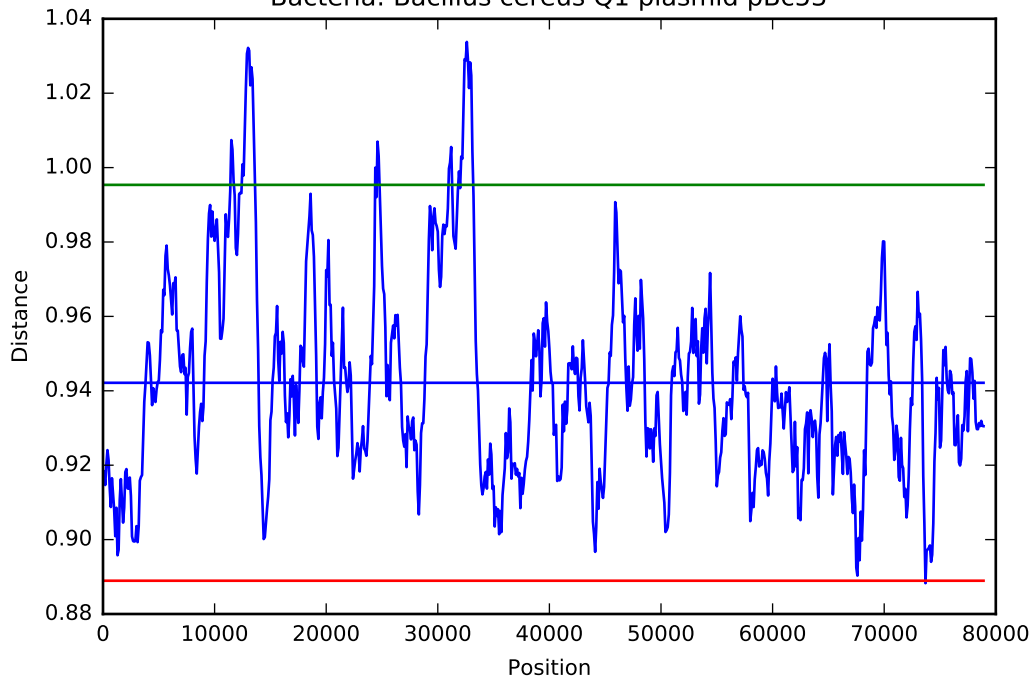
# Archaea: *Thermoplasma volcanium* GSS1 DNA



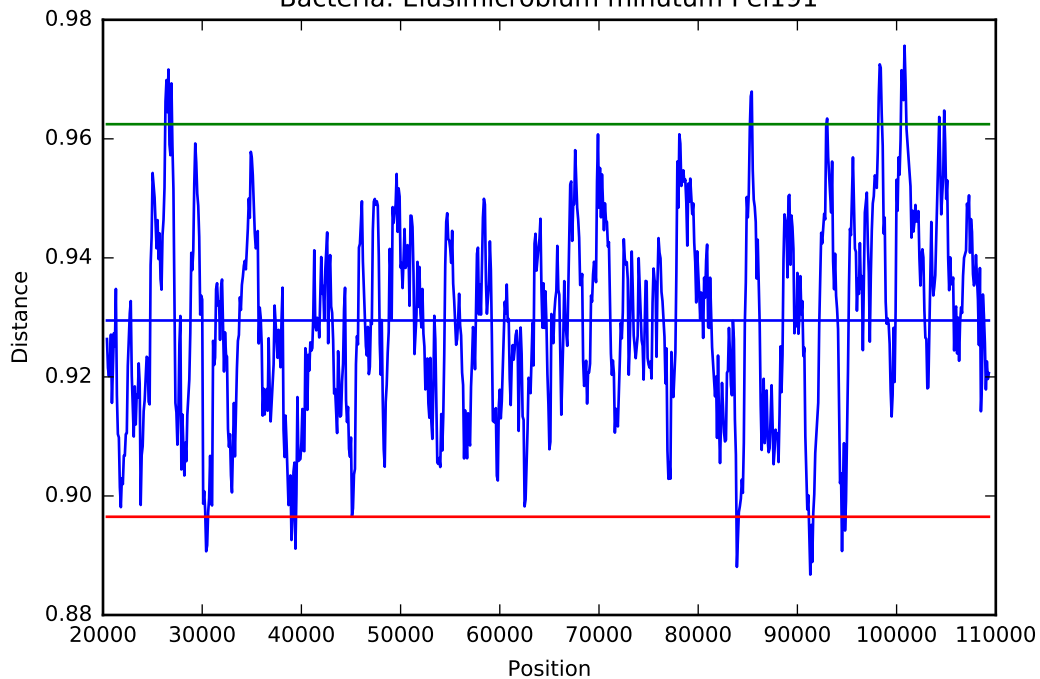
Archaea: Methanococcoides burtonii DSM 6242



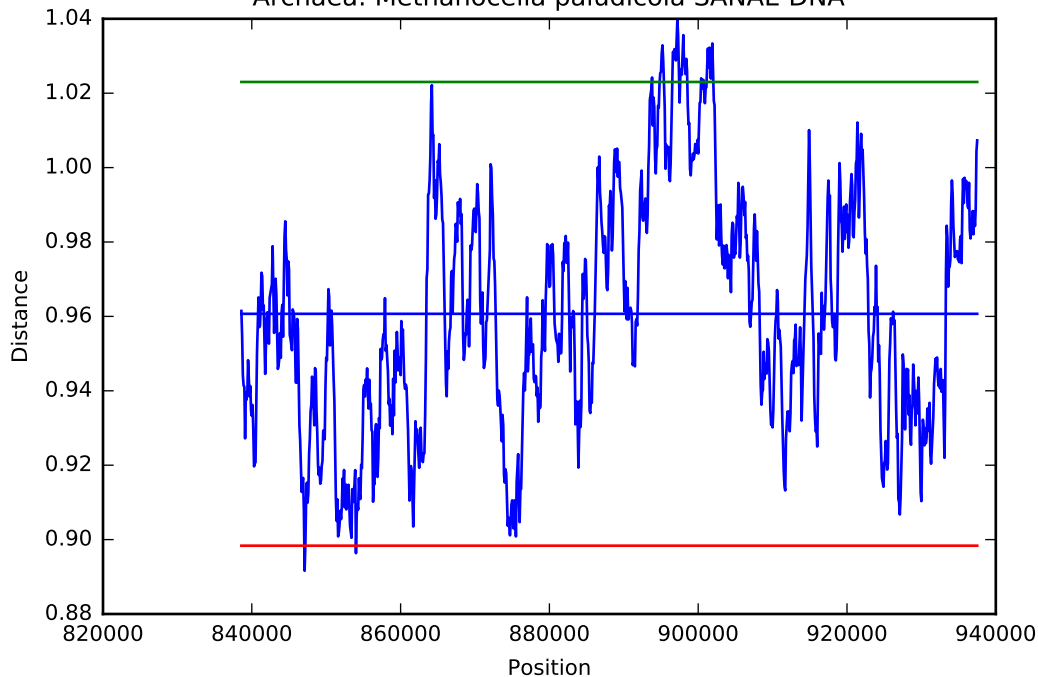
Bacteria: *Bacillus cereus* Q1 plasmid pBc53



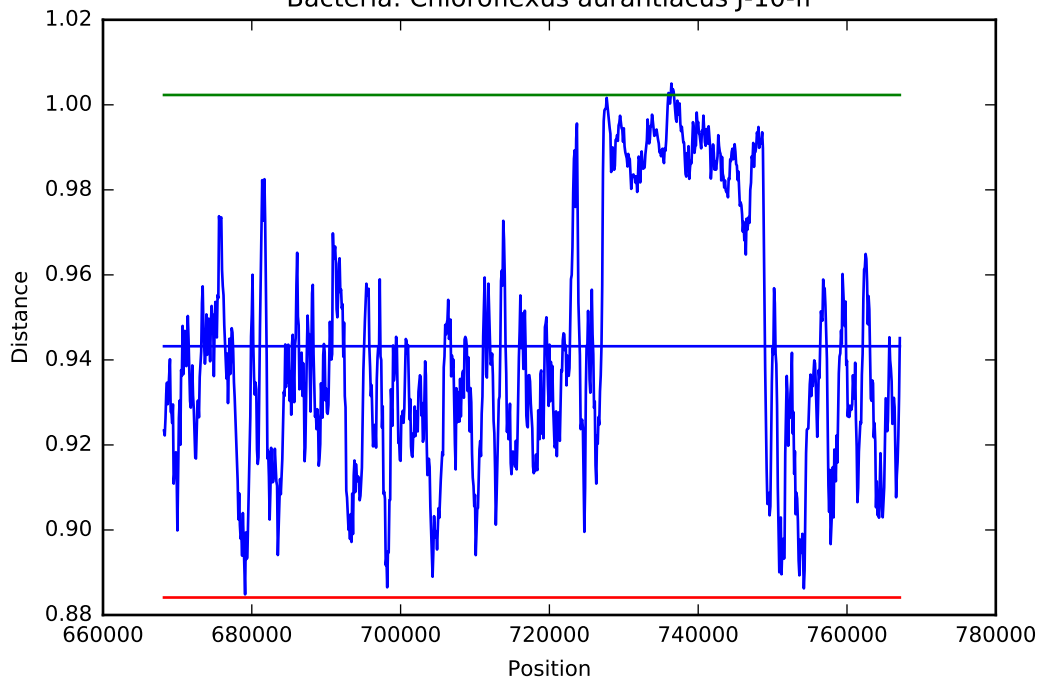
Bacteria: *Elusimicrobium minutum* Pei191



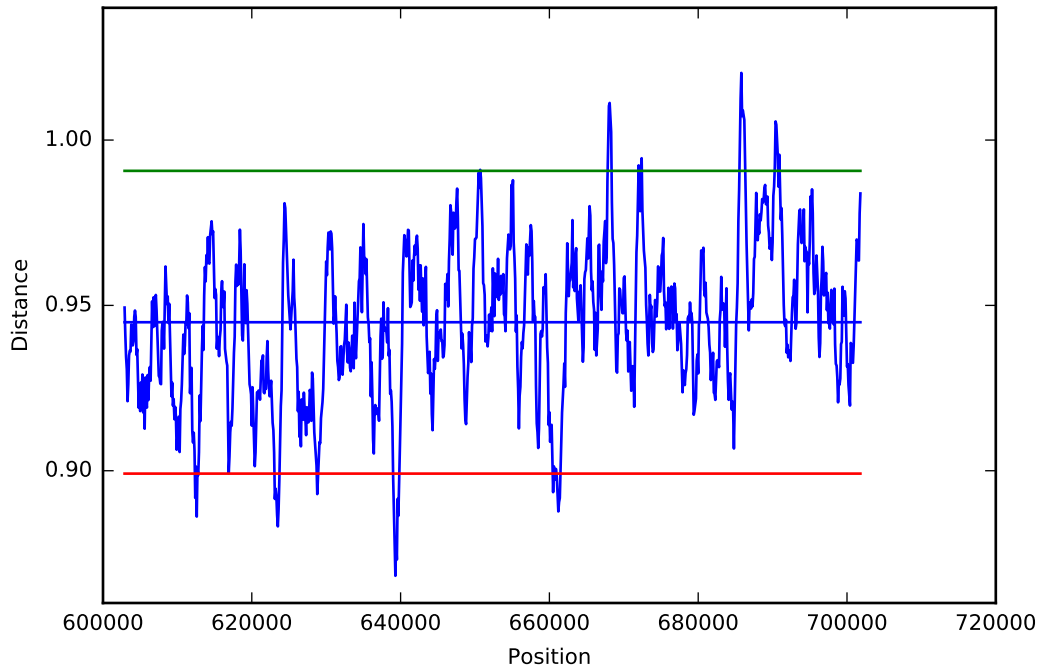
# Archaea: Methanocella paludicola SANA E DNA



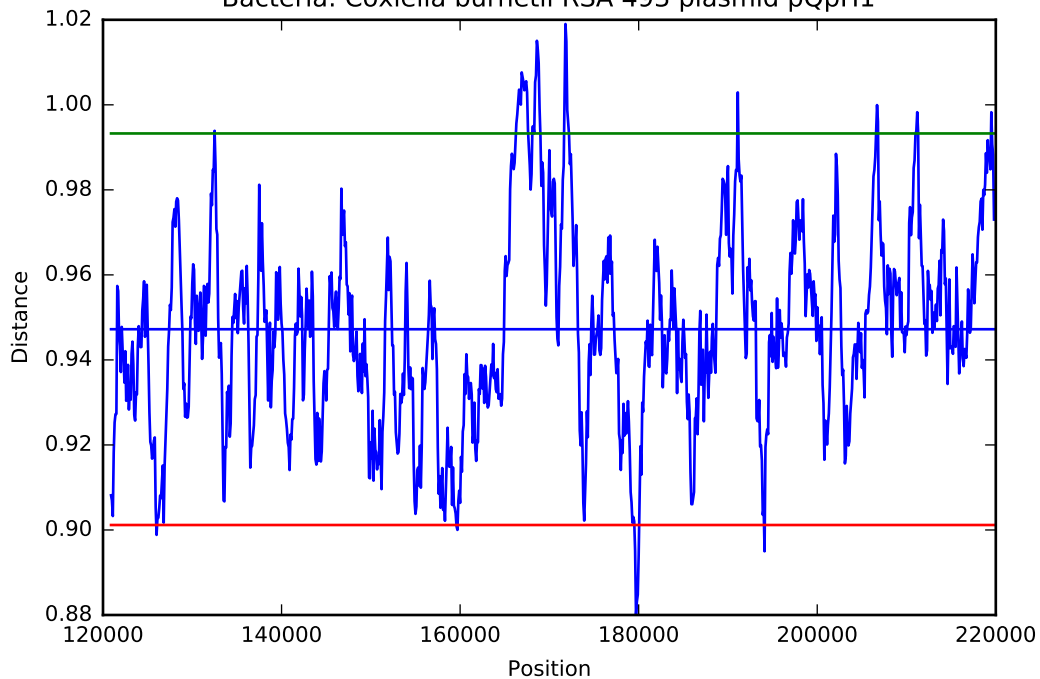
Bacteria: *Chloroflexus aurantiacus* J-10-fl



Archaea: *Ignicoccus hospitalis* KIN4/I

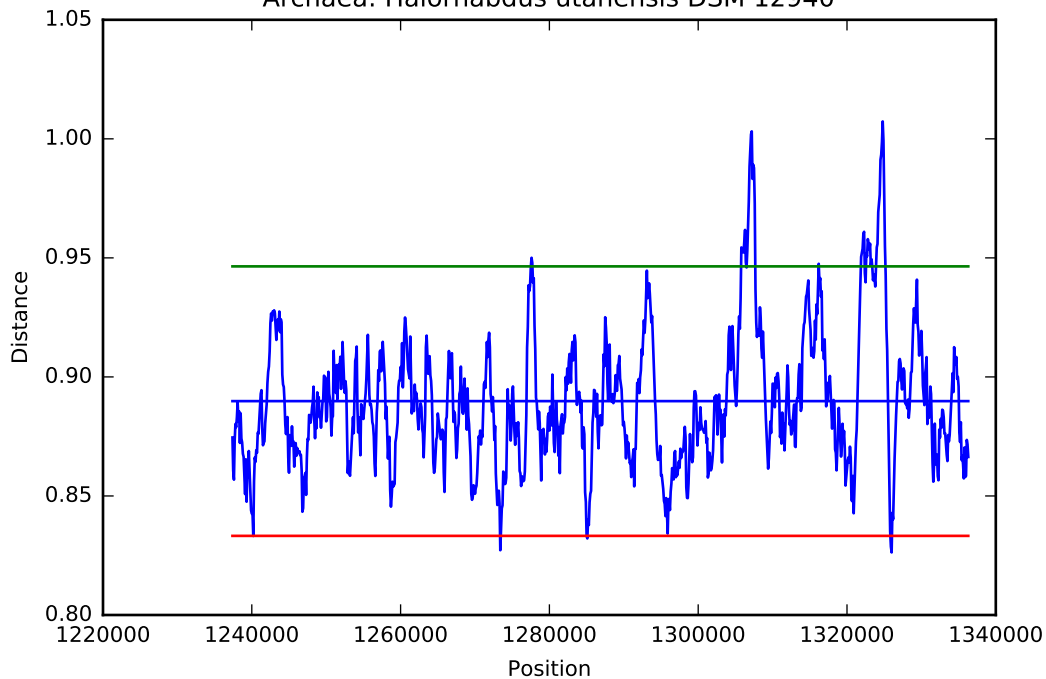


Bacteria: *Coxiella burnetii* RSA 493 plasmid pQpH1

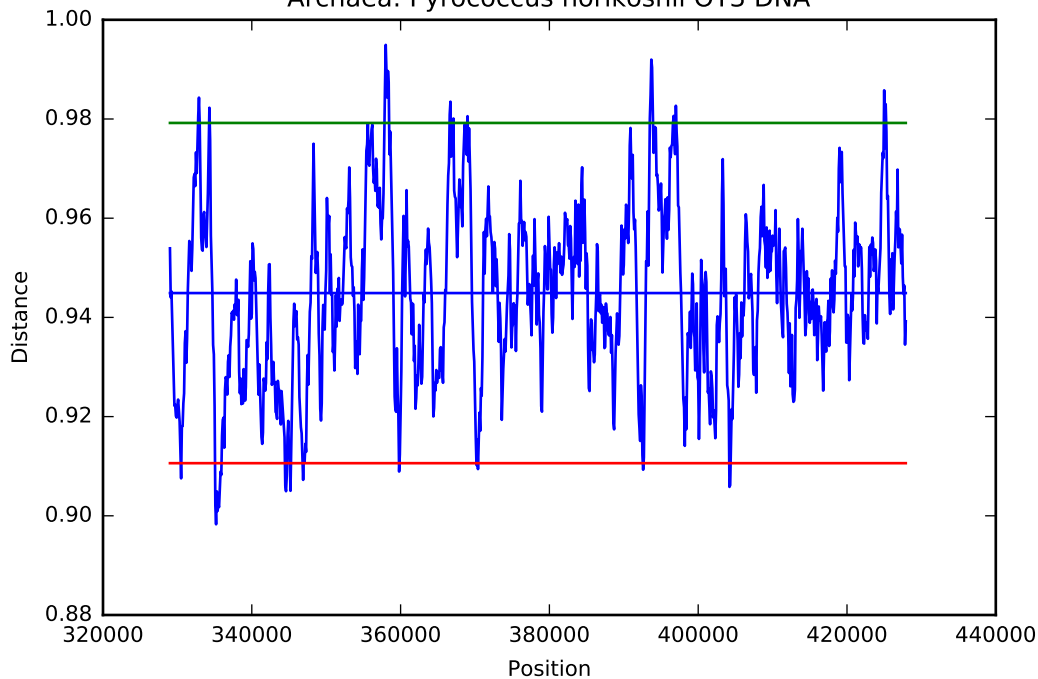




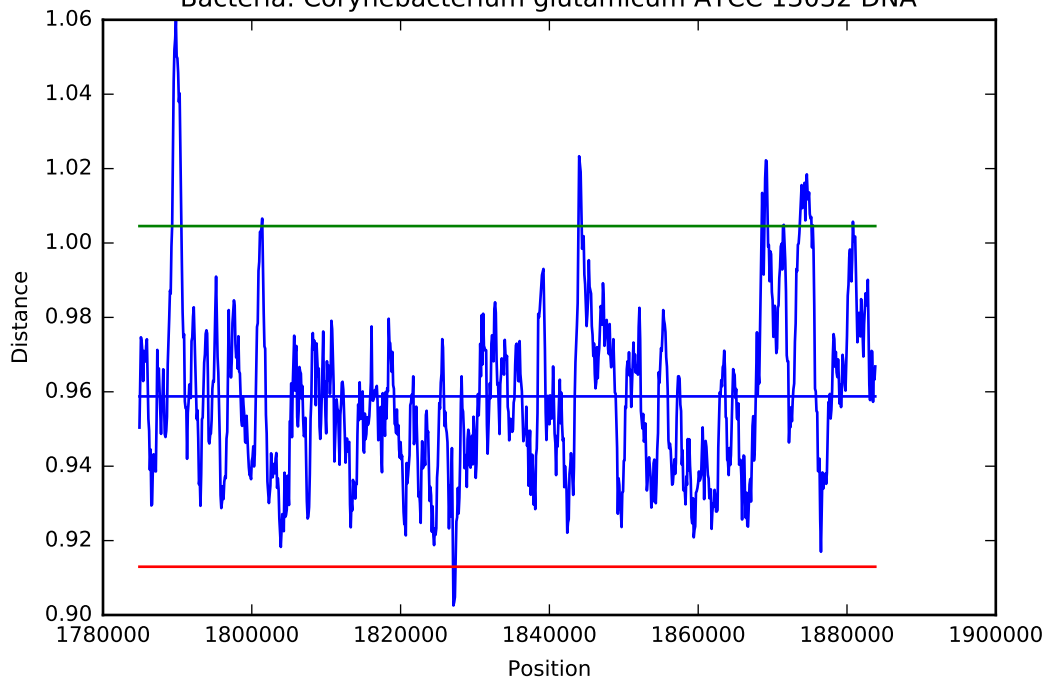
Archaea: Halorhabdus utahensis DSM 12940



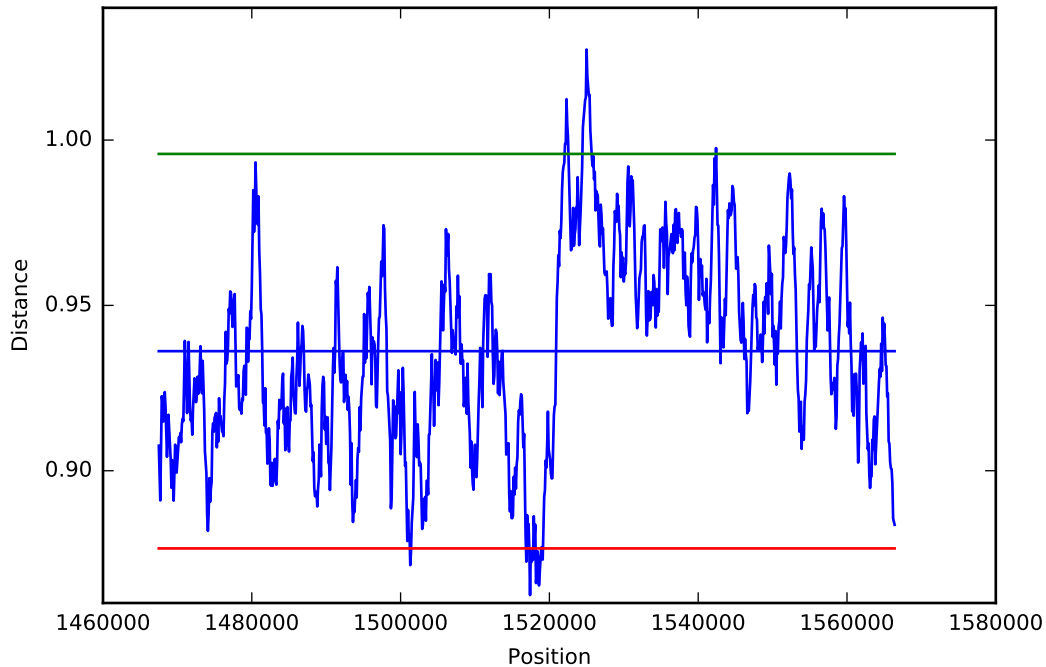
# Archaea: Pyrococcus horikoshii OT3 DNA



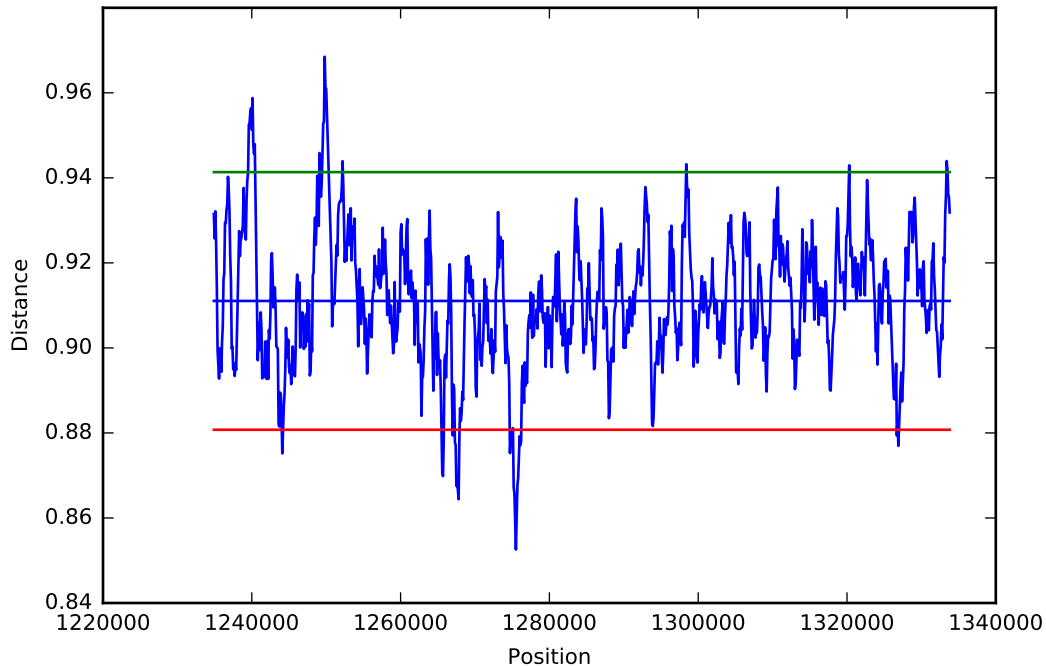
Bacteria: *Corynebacterium glutamicum* ATCC 13032 DNA



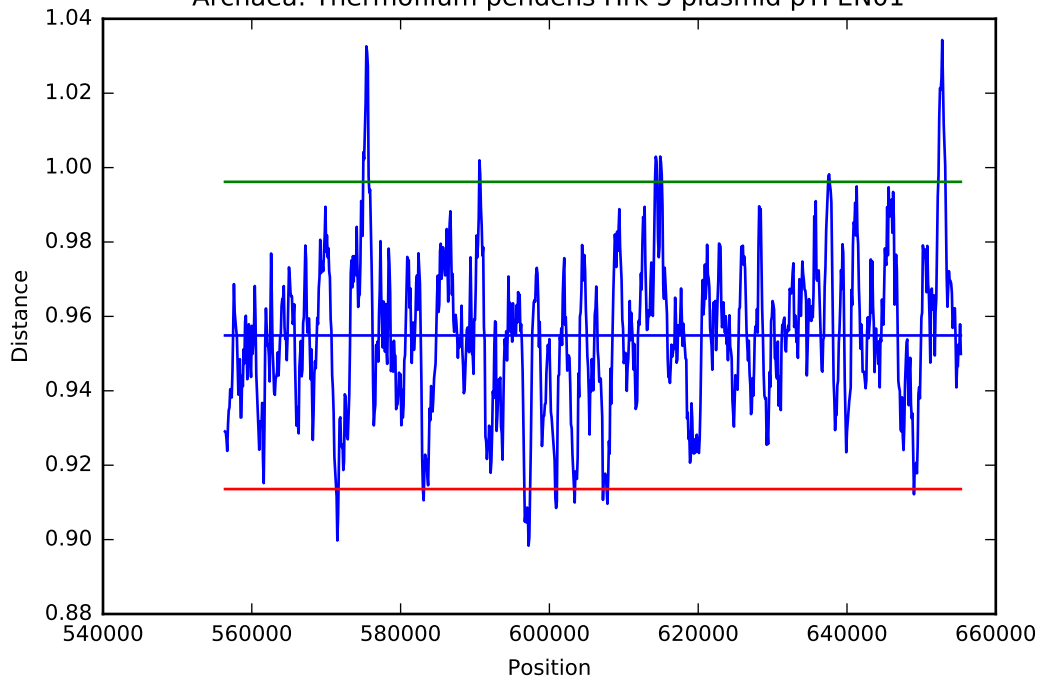
# Archaea: *Caldivirga maquilingensis* IC-167



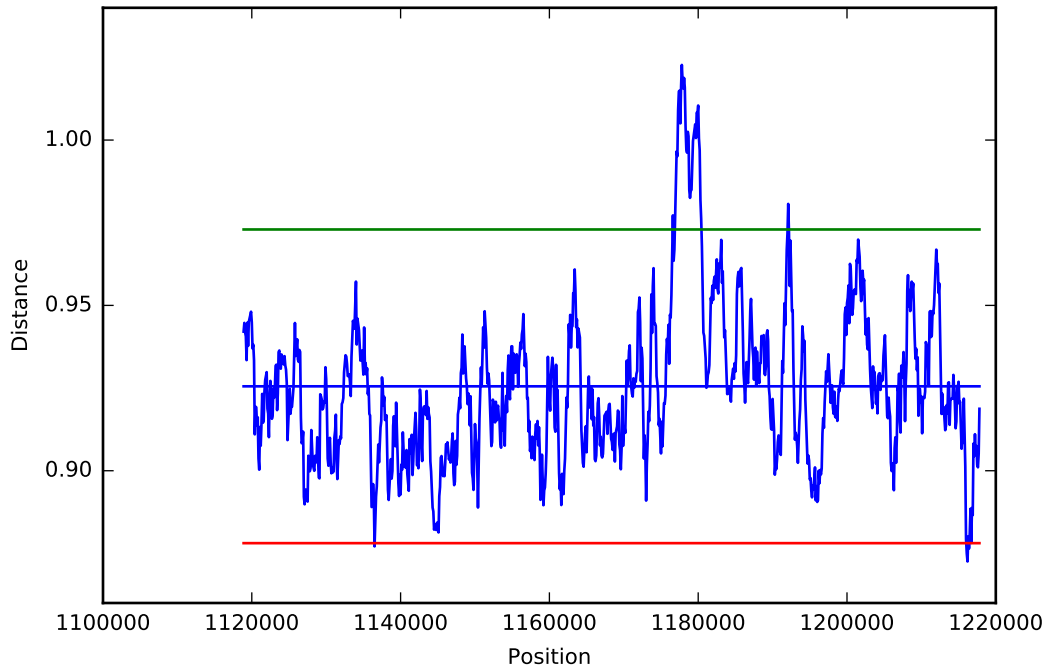
Bacteria: *Clostridium acetobutylicum* ATCC 824 megaplasmid pSOL1



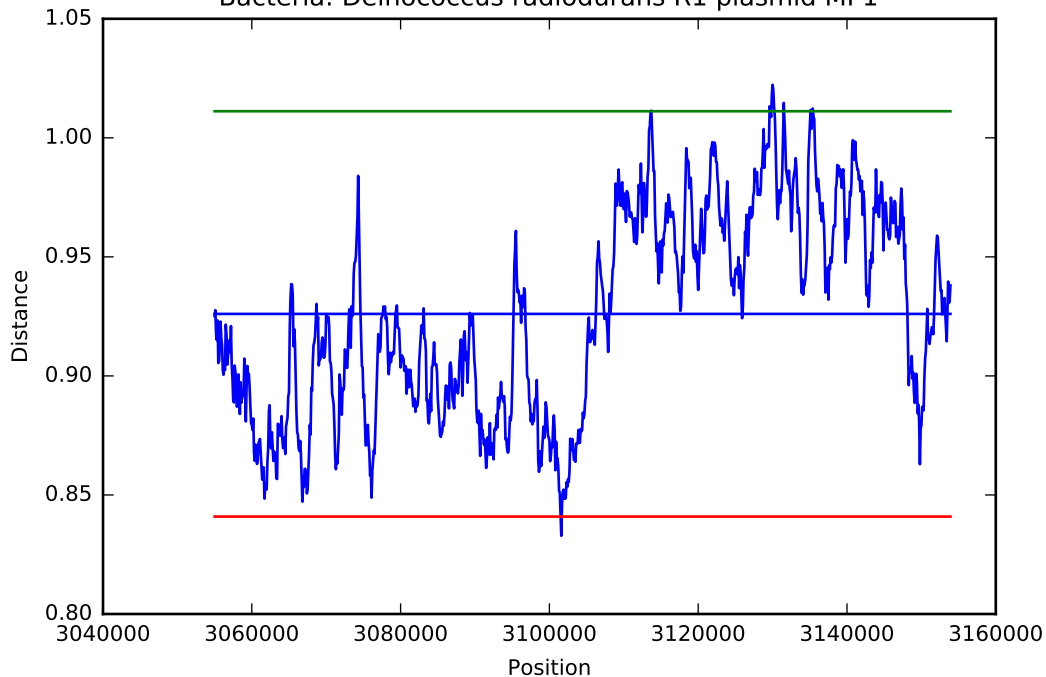
Archaea: *Thermophilum pendens* Hrk 5 plasmid pTPEN01



# Bacteria: Akkermansia muciniphila ATCC BAA-835

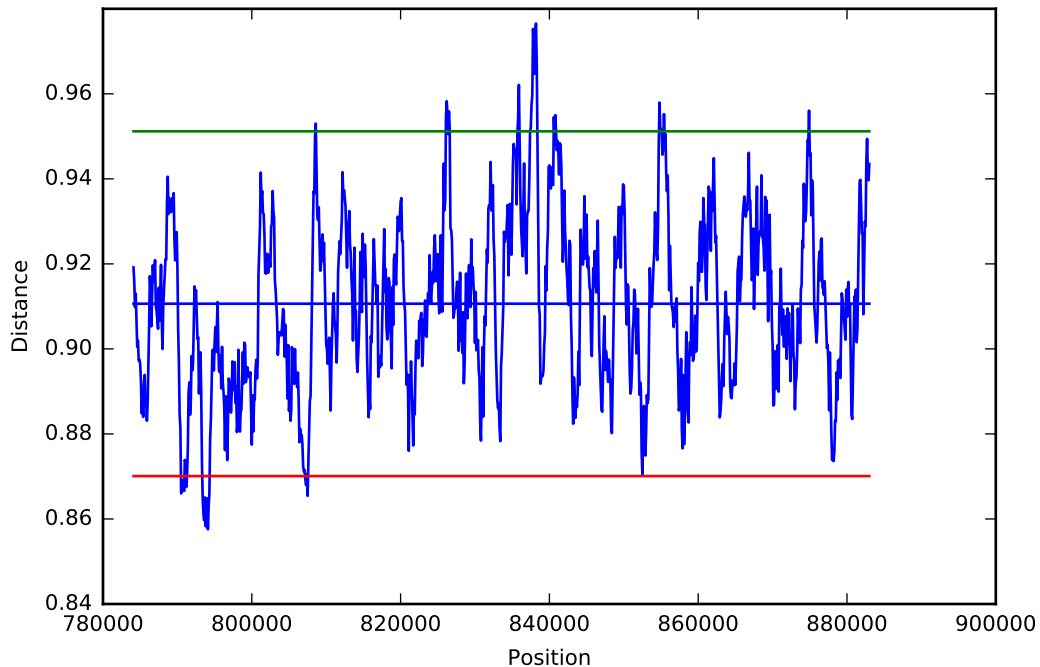


Bacteria: *Deinococcus radiodurans* R1 plasmid MP1

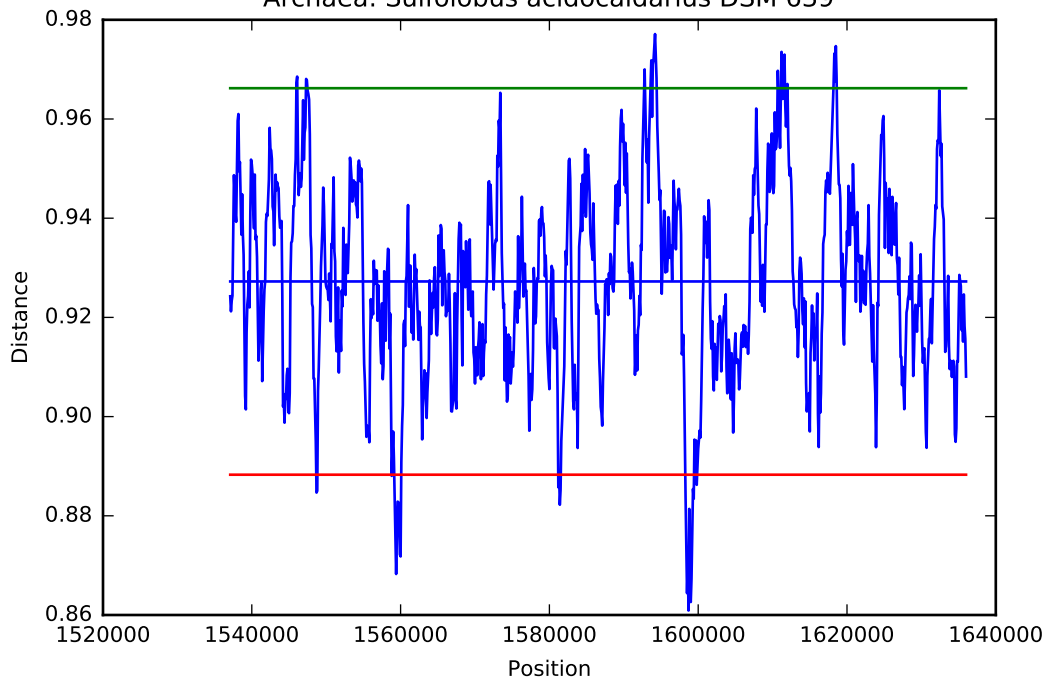




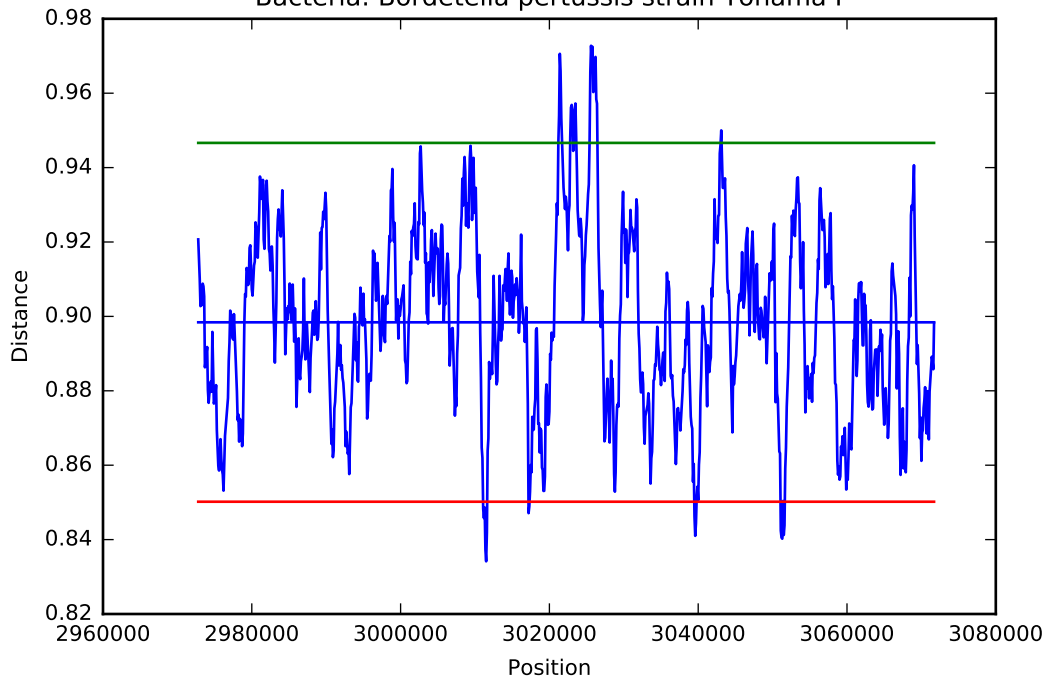
Bacteria: *Thermanaerovibrio acidaminovorans* DSM 6589



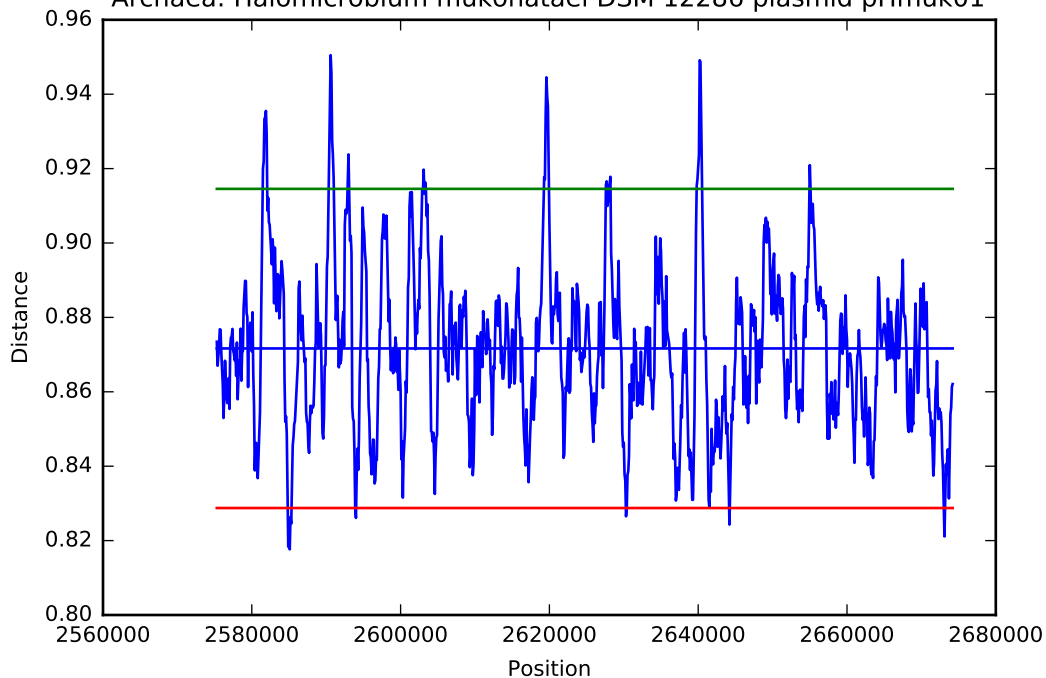
# Archaea: *Sulfolobus acidocaldarius* DSM 639



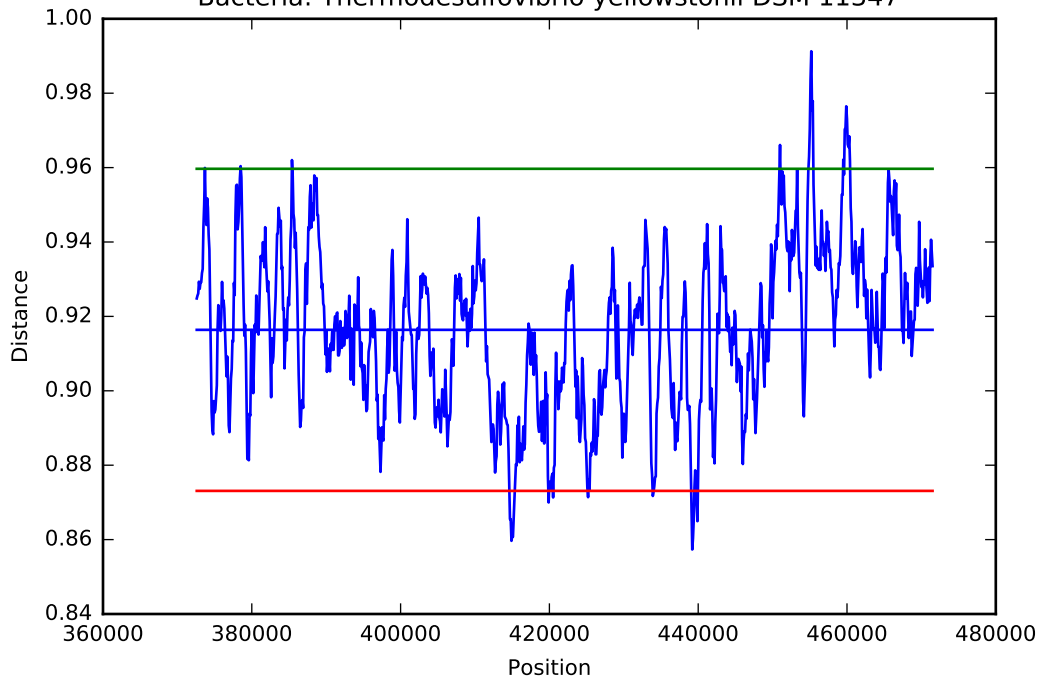
Bacteria: *Bordetella pertussis* strain Tohama I



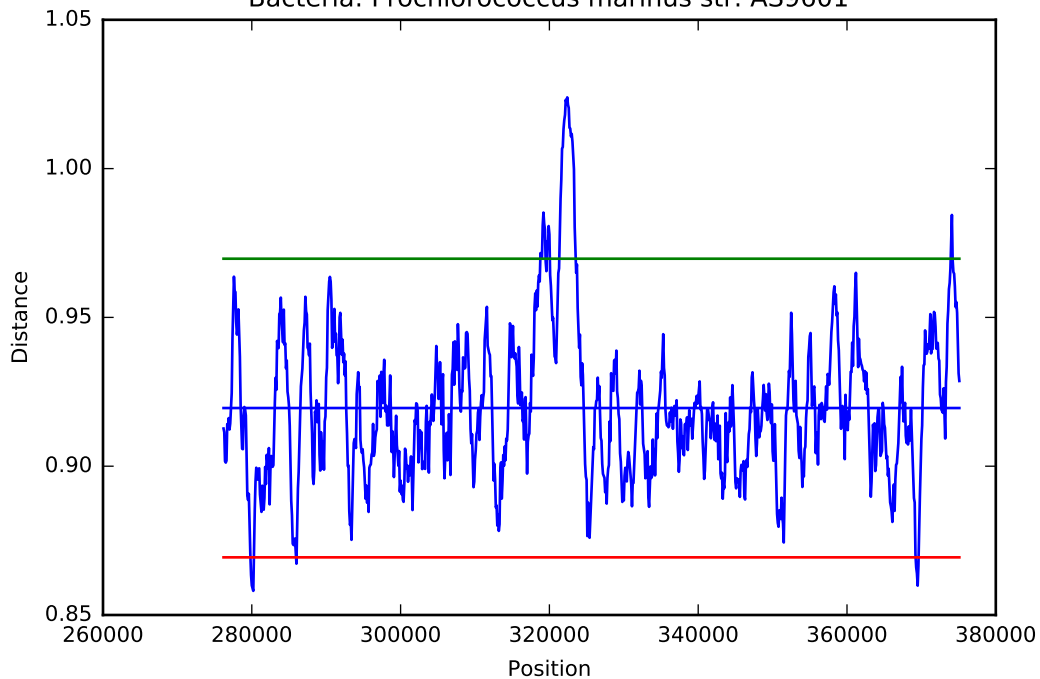
Archaea: Halomicrobium mukohataei DSM 12286 plasmid pHmuk01



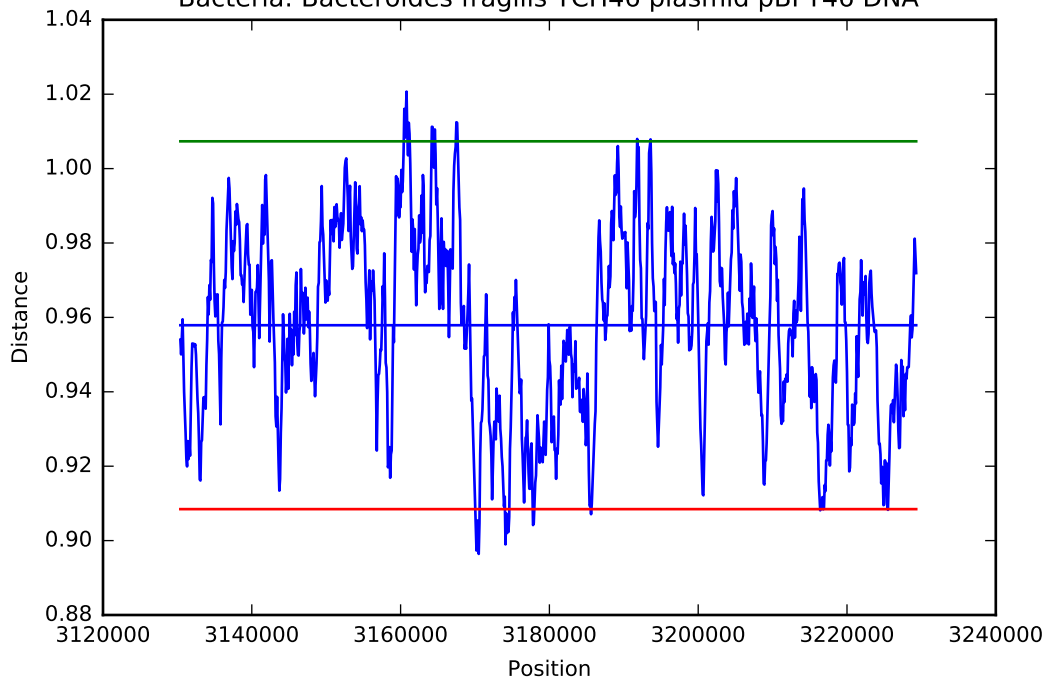
Bacteria: *Thermodesulfovibrio yellowstonii* DSM 11347



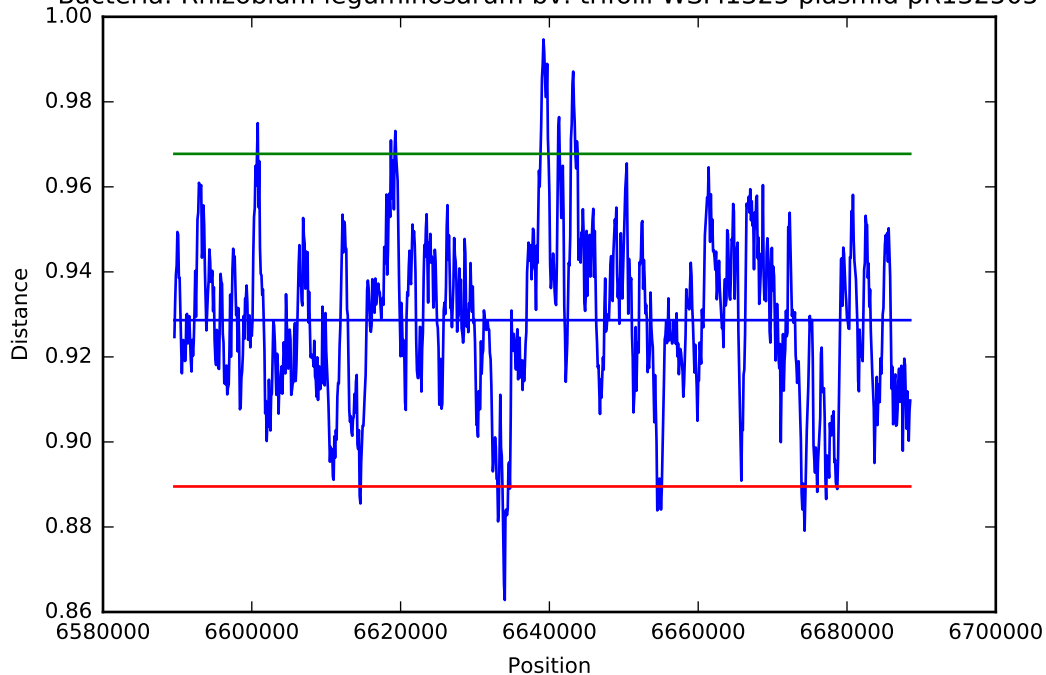
Bacteria: *Prochlorococcus marinus* str. AS9601



Bacteria: Bacteroides fragilis YCH46 plasmid pBFY46 DNA

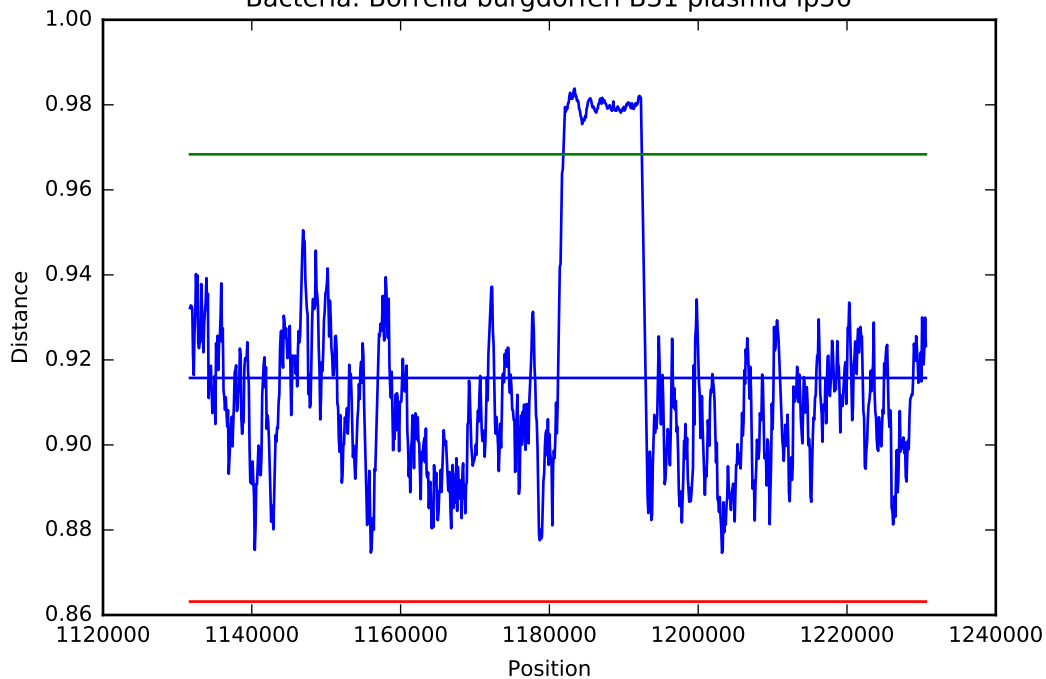


Bacteria: *Rhizobium leguminosarum* bv. *trifolii* WSM1325 plasmid pR132505

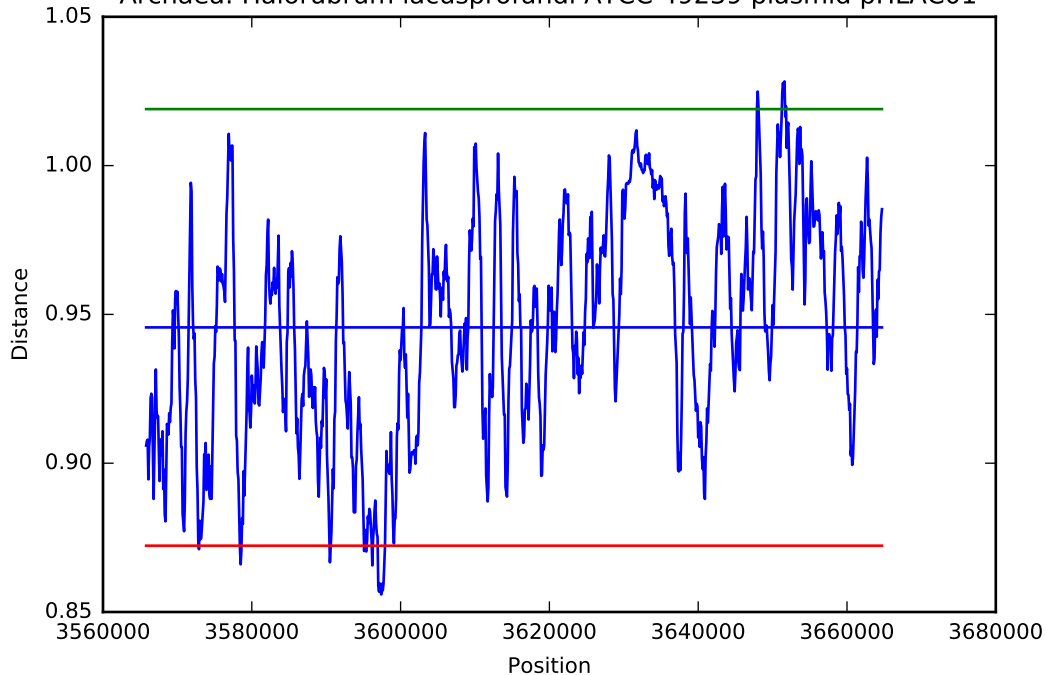




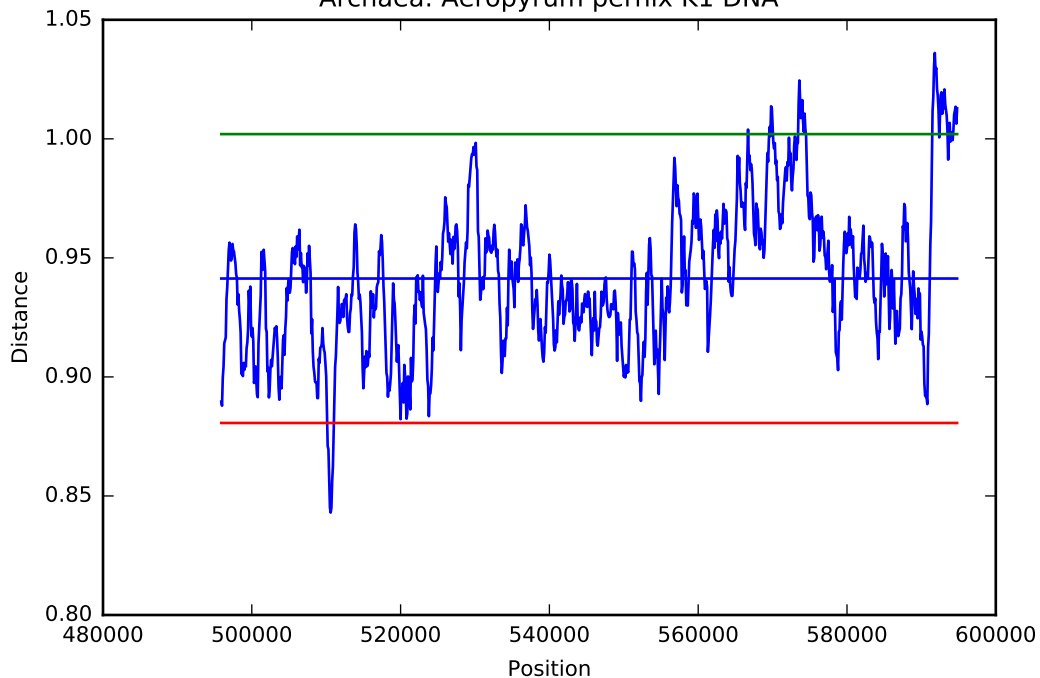
Bacteria: *Borrelia burgdorferi* B31 plasmid lp56



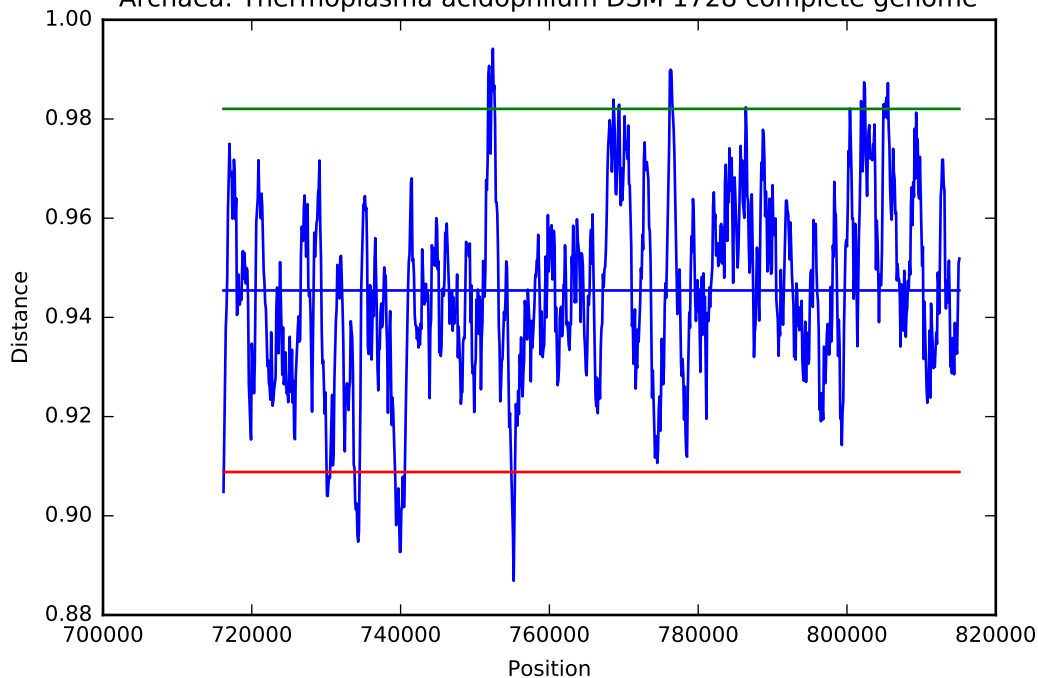
Archaea: Halorubrum lacusprofundi ATCC 49239 plasmid pHLAC01



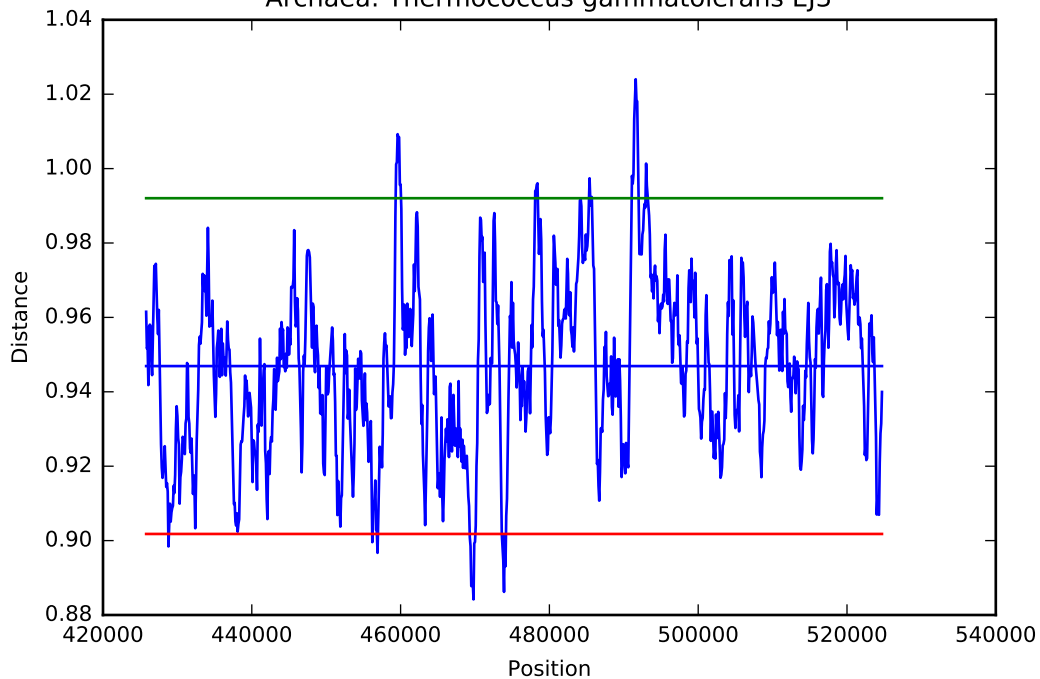
# Archaea: *Aeropyrum pernix* K1 DNA



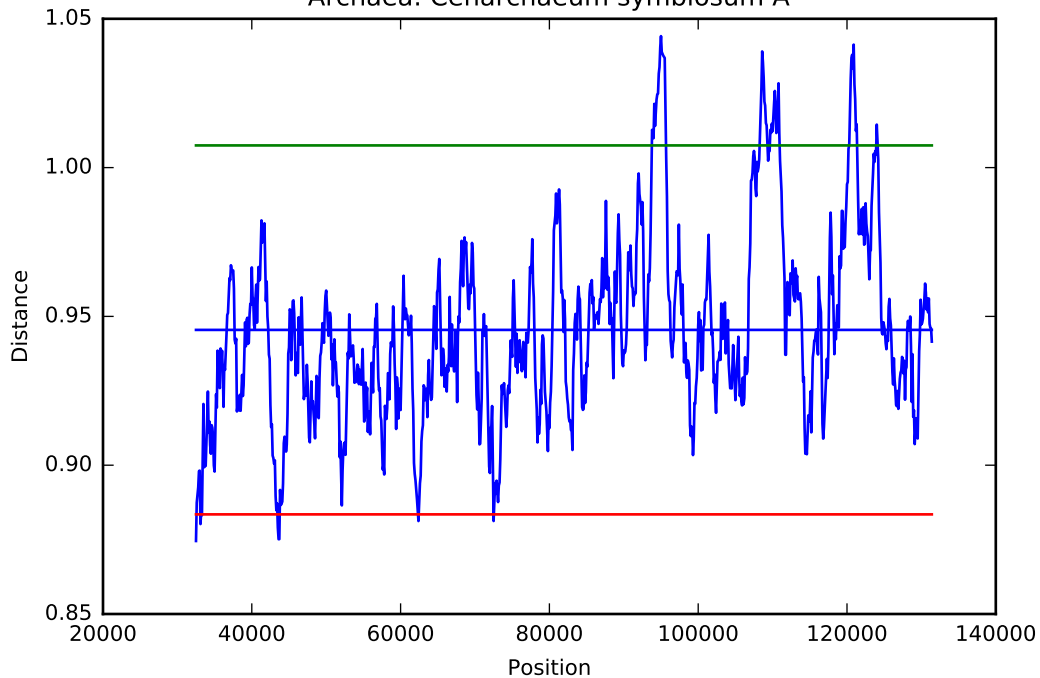
Archaea: *Thermoplasma acidophilum* DSM 1728 complete genome



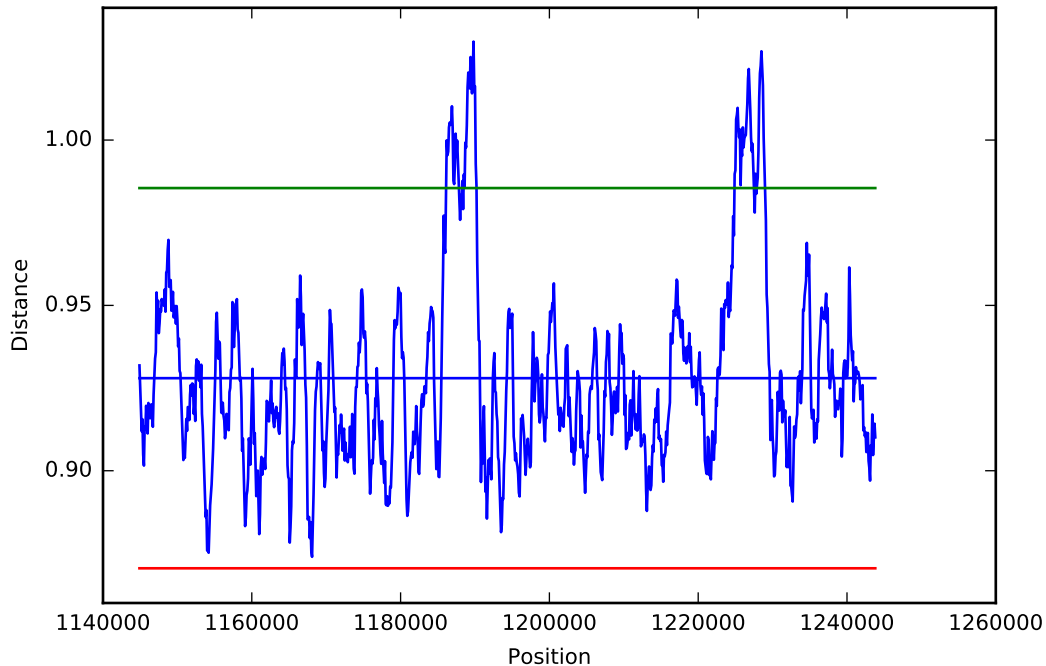
# Archaea: *Thermococcus gammatolerans* EJ3



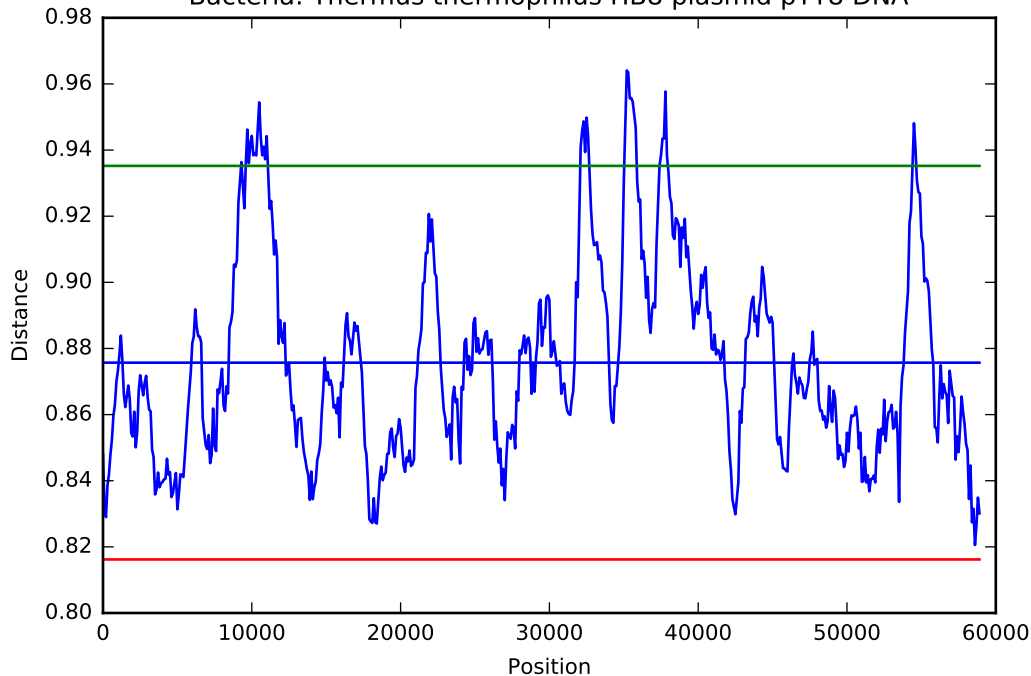
# Archaea: *Cenarchaeum symbiosum* A



# Archaea: Methanococcus aeolicus Nankai-3

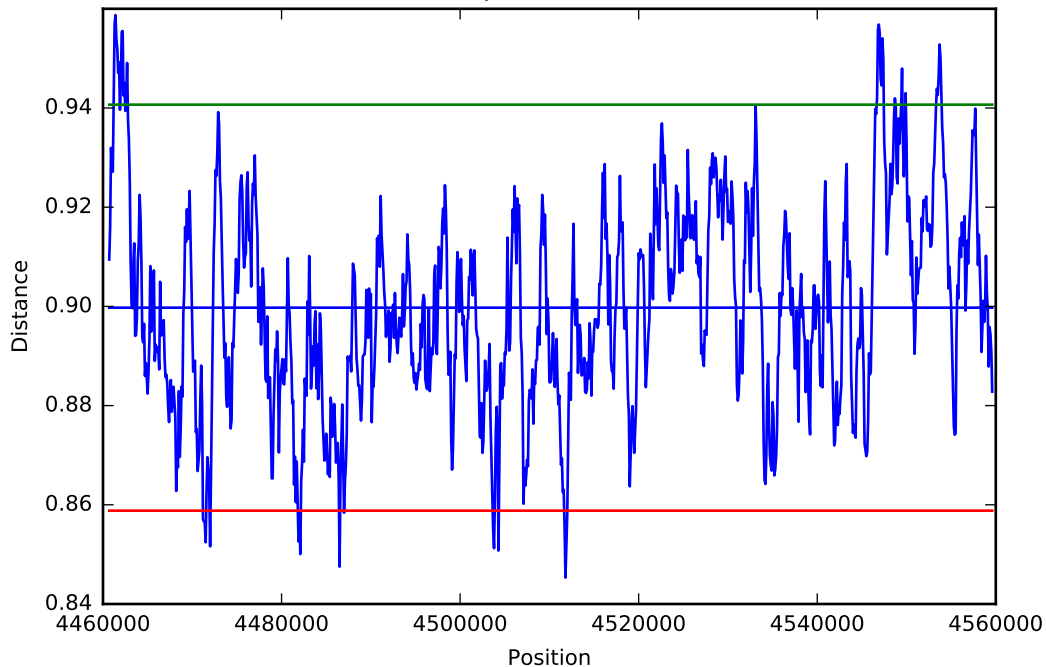


Bacteria: *Thermus thermophilus* HB8 plasmid pTT8 DNA

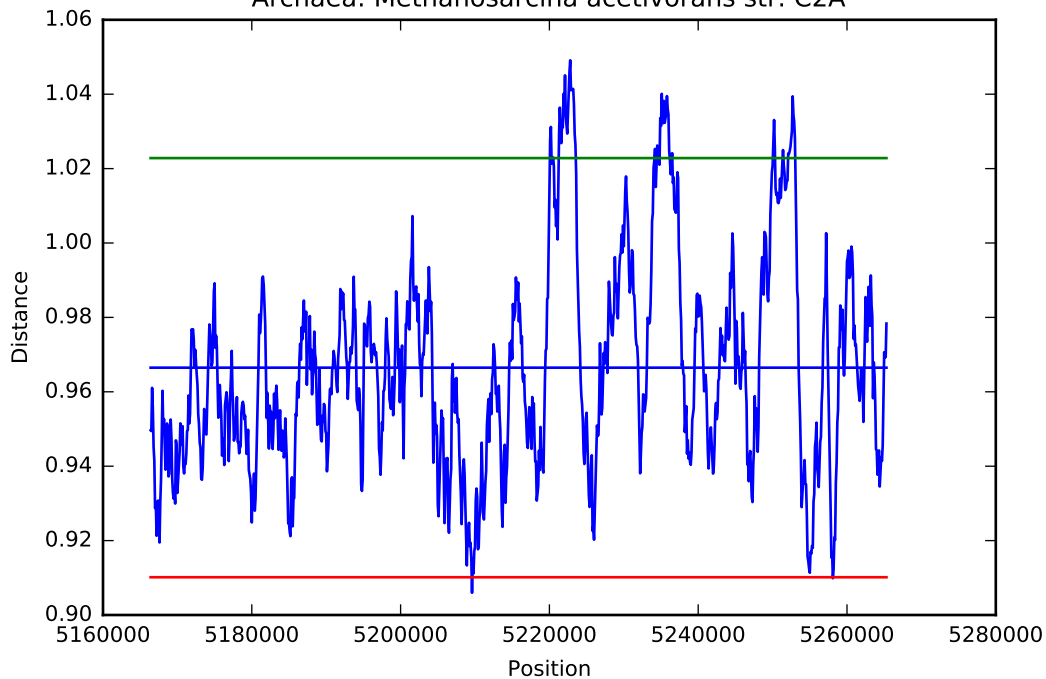




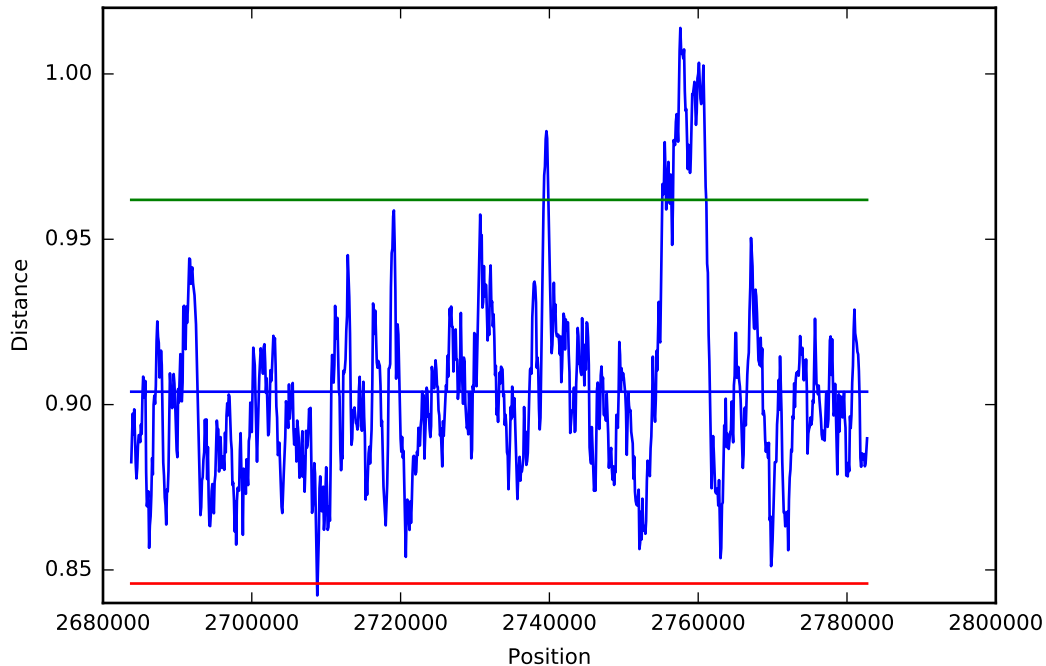
# Bacteria: *Opitutus terrae* PB90-1



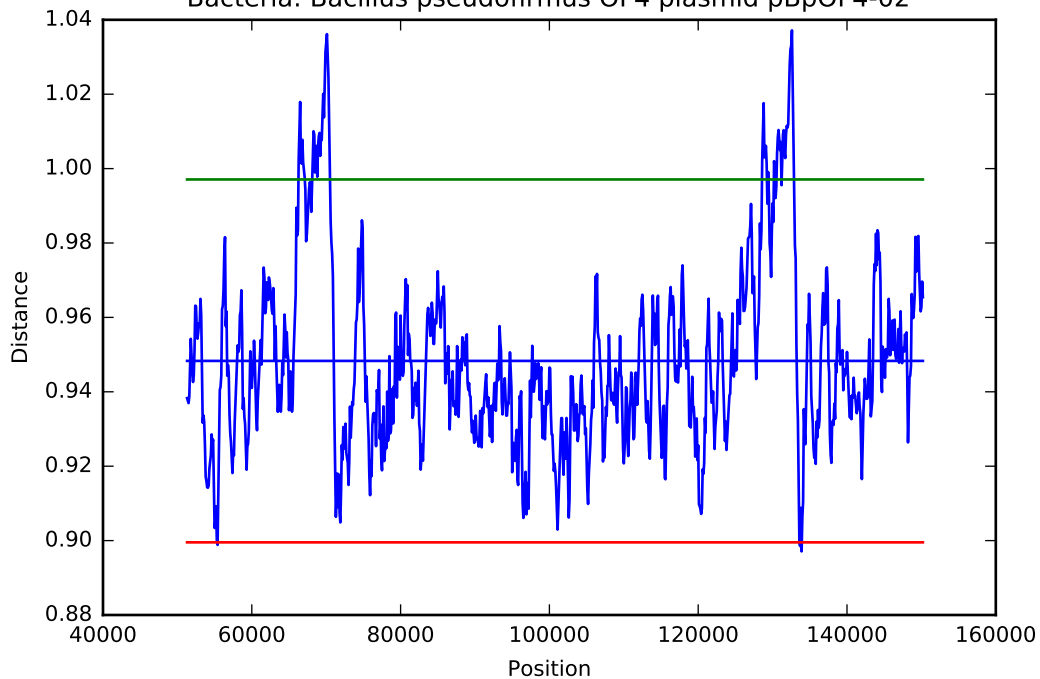
Archaea: Methanosarcina acetivorans str. C2A



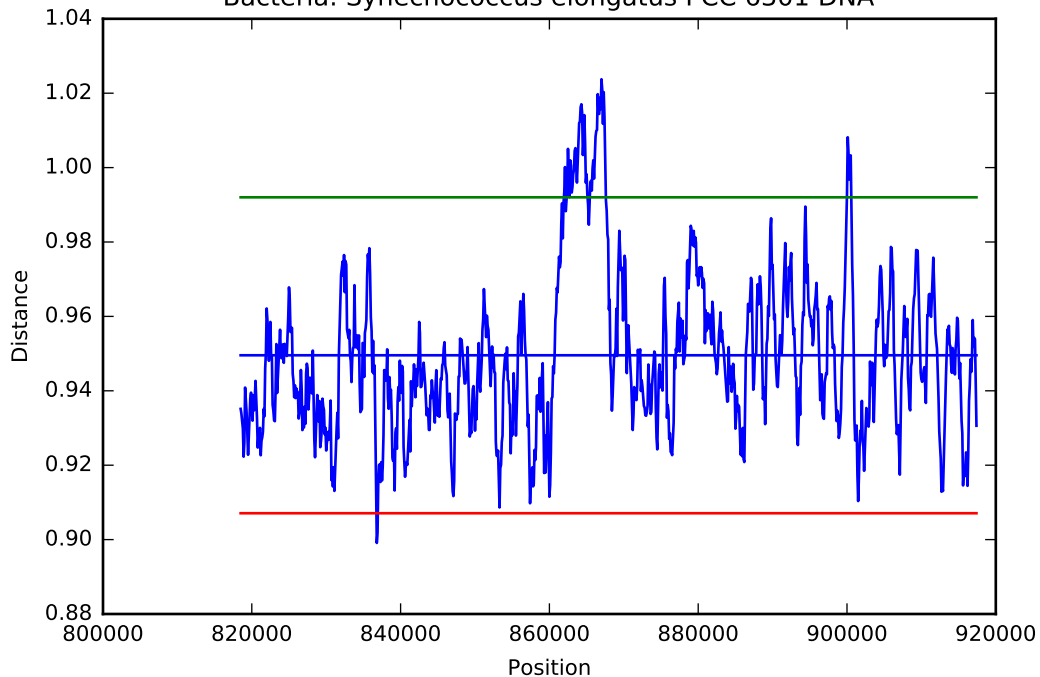
Bacteria: *Rhodospirillum rubrum* ATCC 11170 plasmid



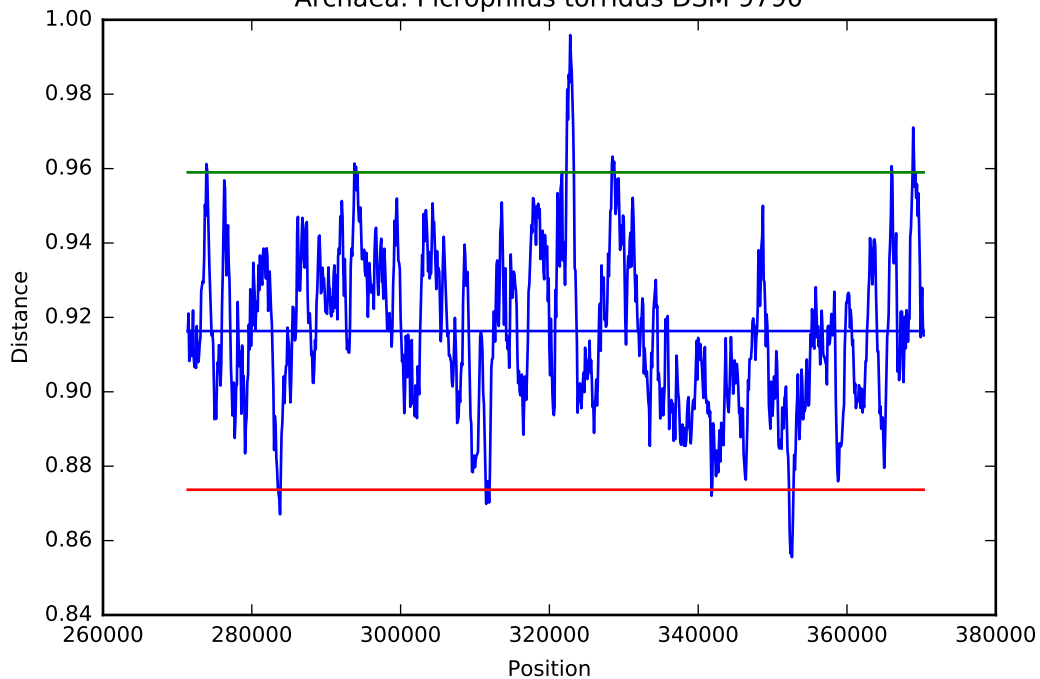
Bacteria: *Bacillus pseudofirmus* OF4 plasmid pBpOF4-02



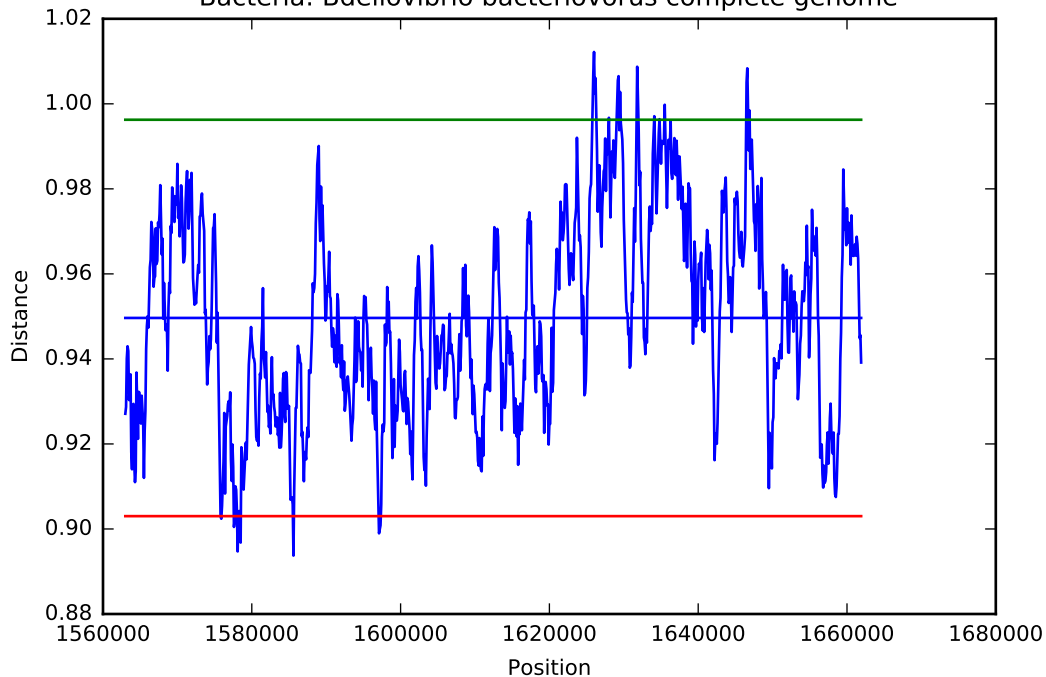
Bacteria: *Synechococcus elongatus* PCC 6301 DNA



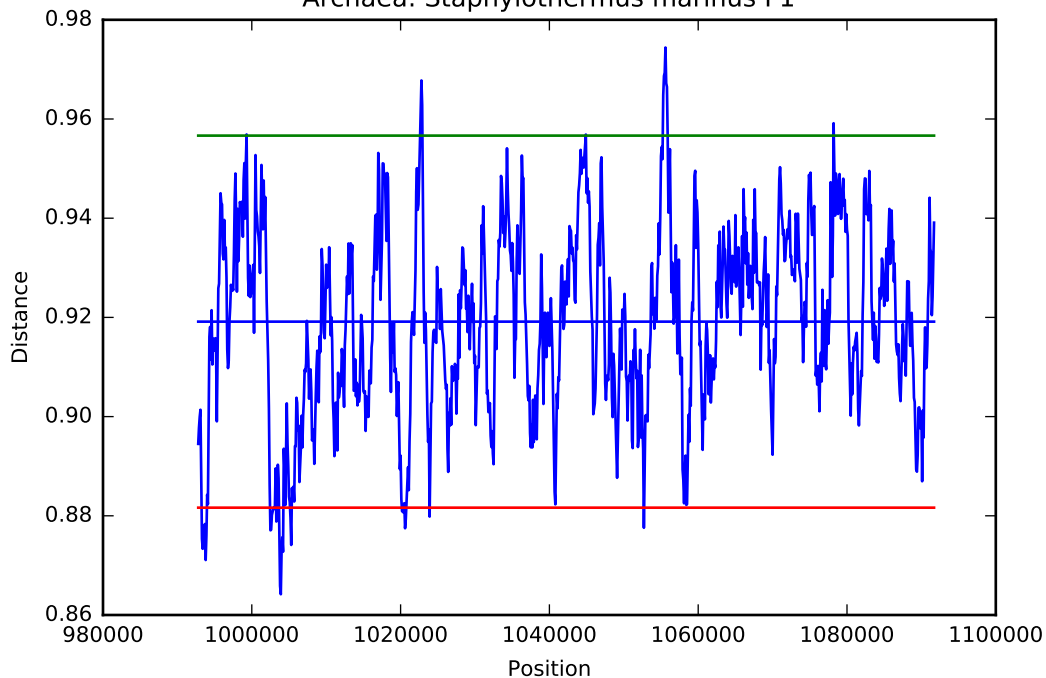
# Archaea: *Picrophilus torridus* DSM 9790



# Bacteria: Bdellovibrio bacteriovorus complete genome

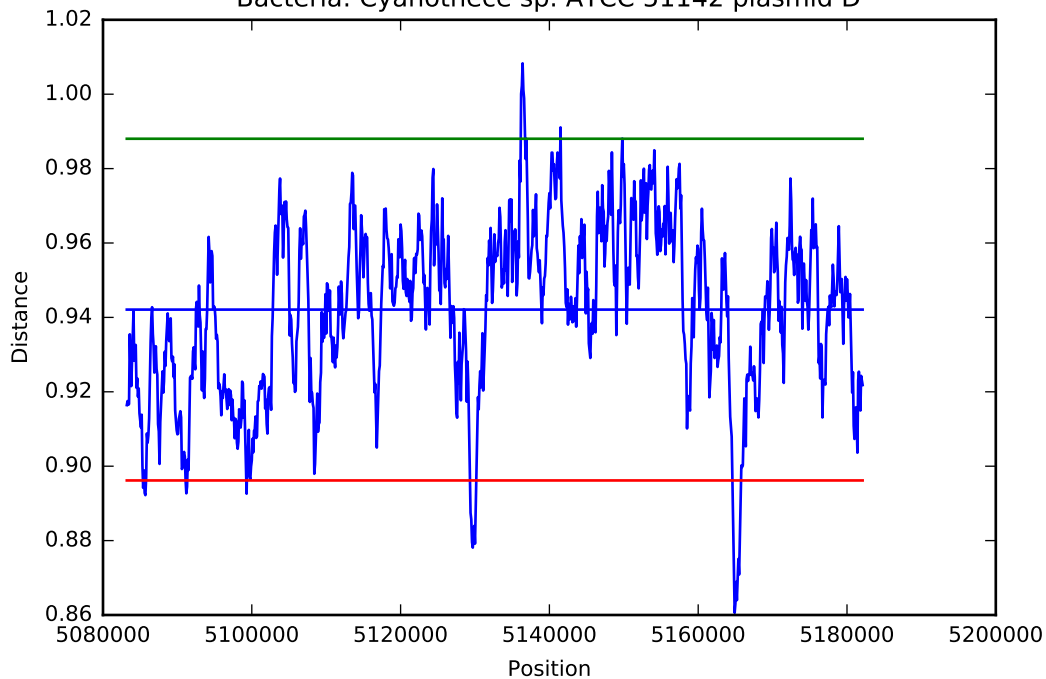


# Archaea: Staphylothermus marinus F1

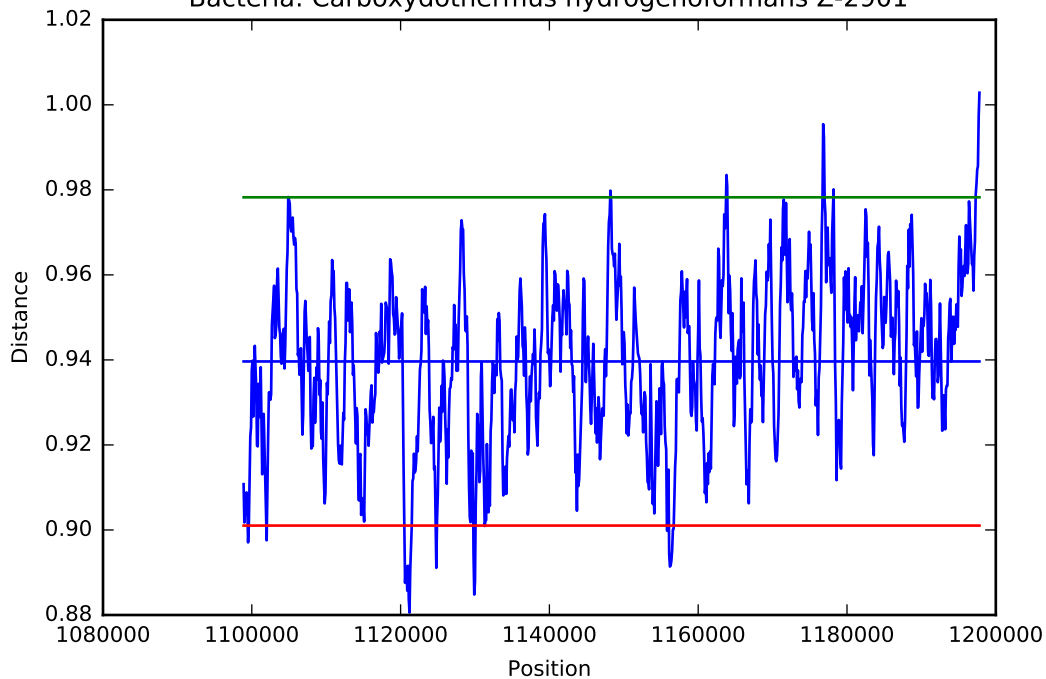




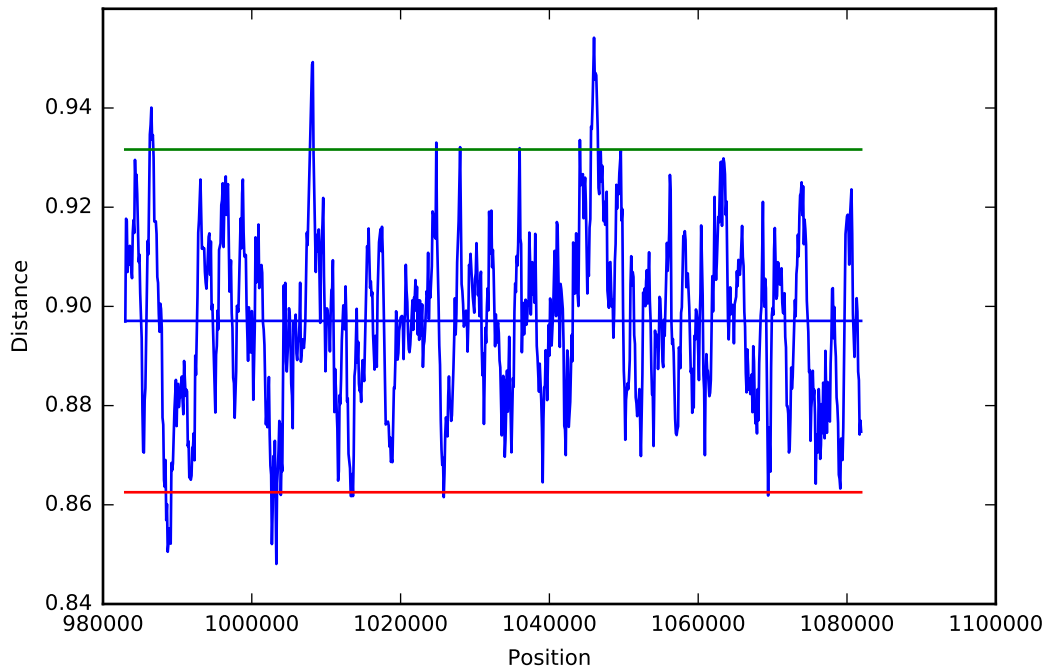
Bacteria: *Cyanothece* sp. ATCC 51142 plasmid D



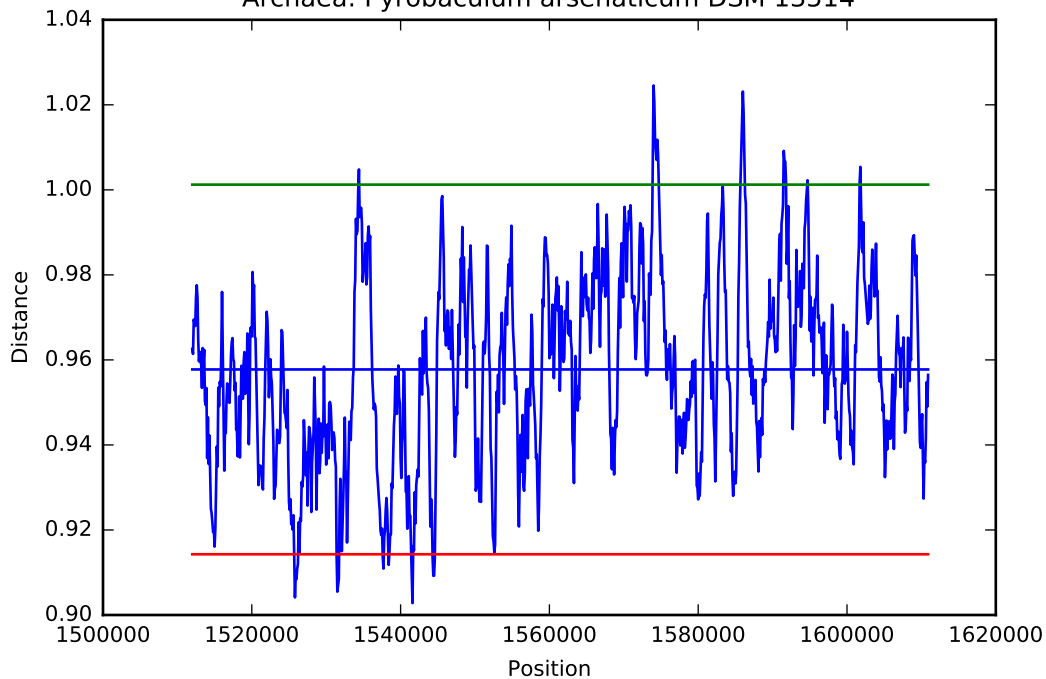
Bacteria: Carboxydothemus hydrogenoformans Z-2901



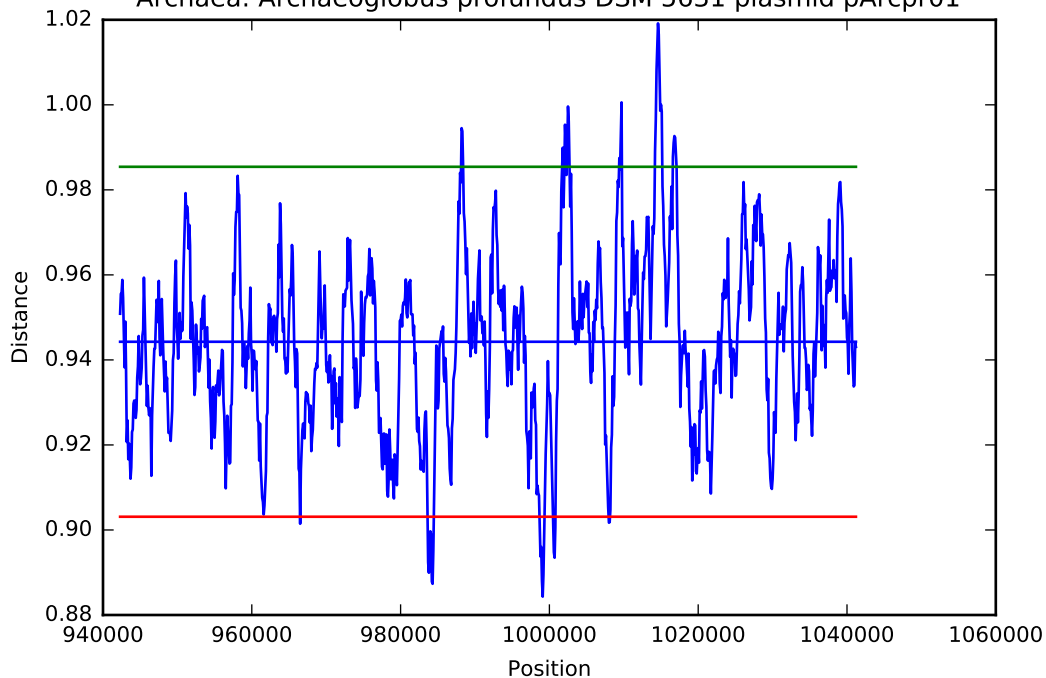
Bacteria: Gemmatimonas aurantiaca T-27 DNA



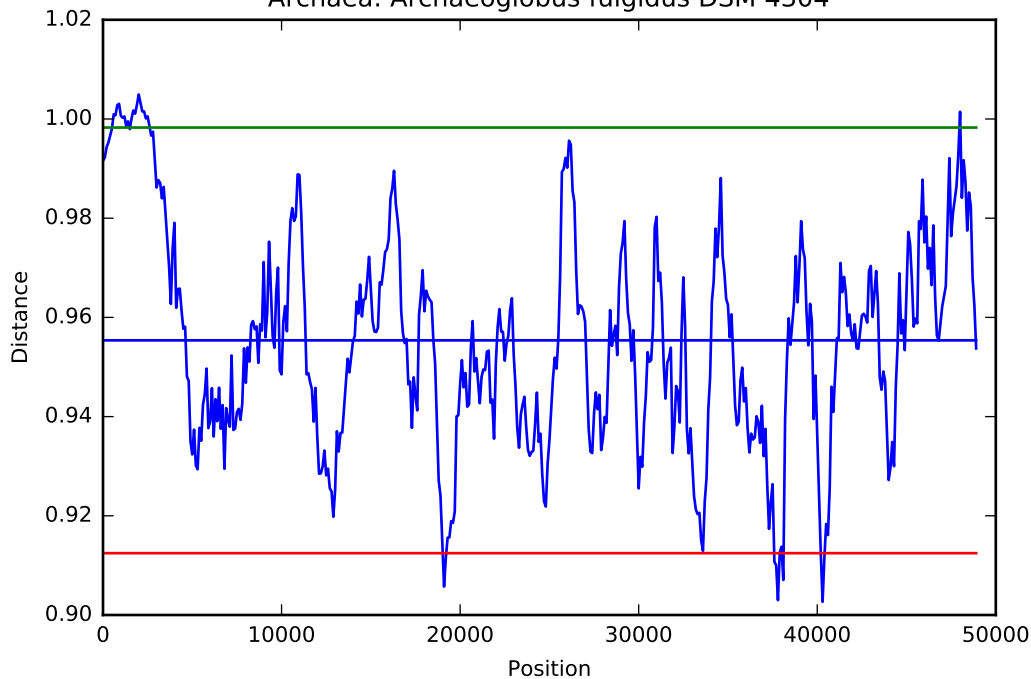
# Archaea: *Pyrobaculum arsenaticum* DSM 13514



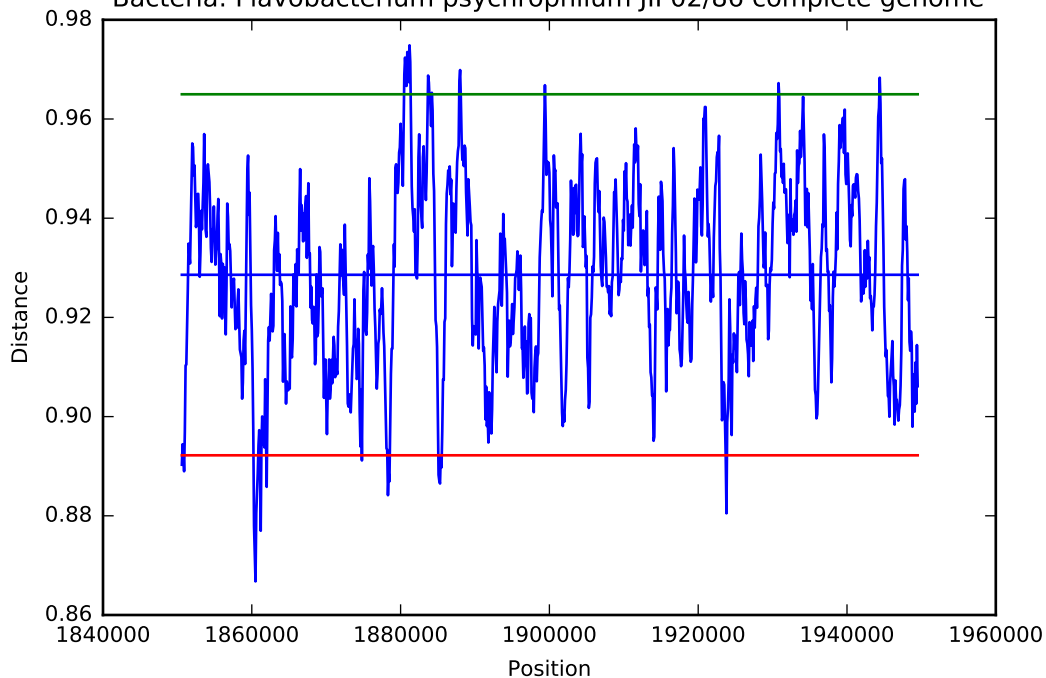
Archaea: *Archaeoglobus profundus* DSM 5631 plasmid pArcpr01



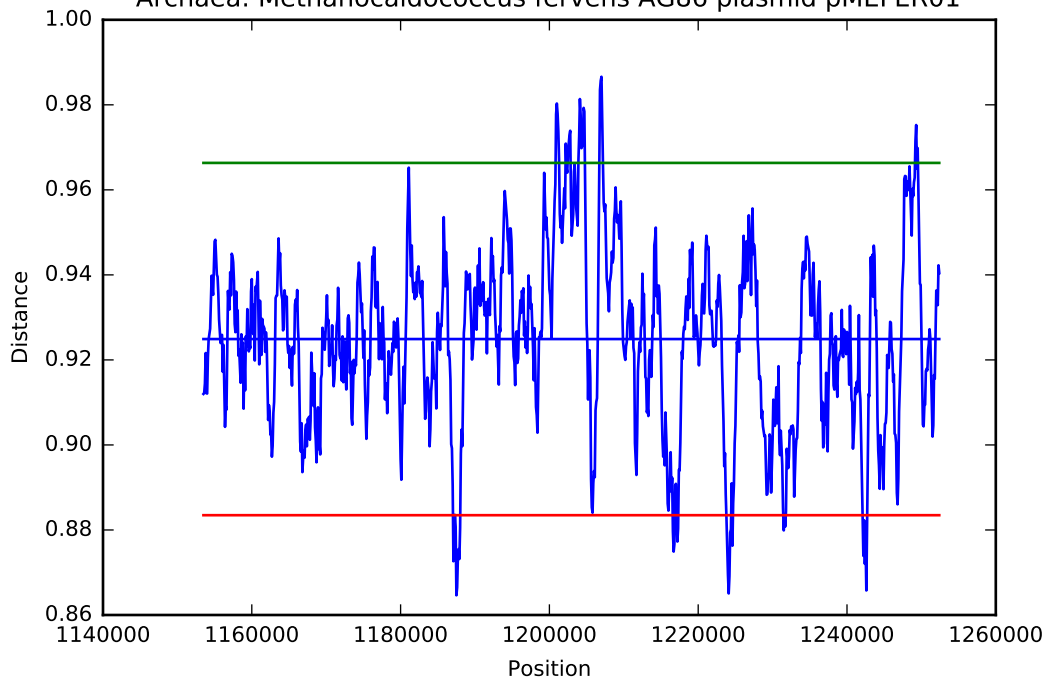
# Archaea: *Archaeoglobus fulgidus* DSM 4304



Bacteria: *Flavobacterium psychrophilum* JIP02/86 complete genome

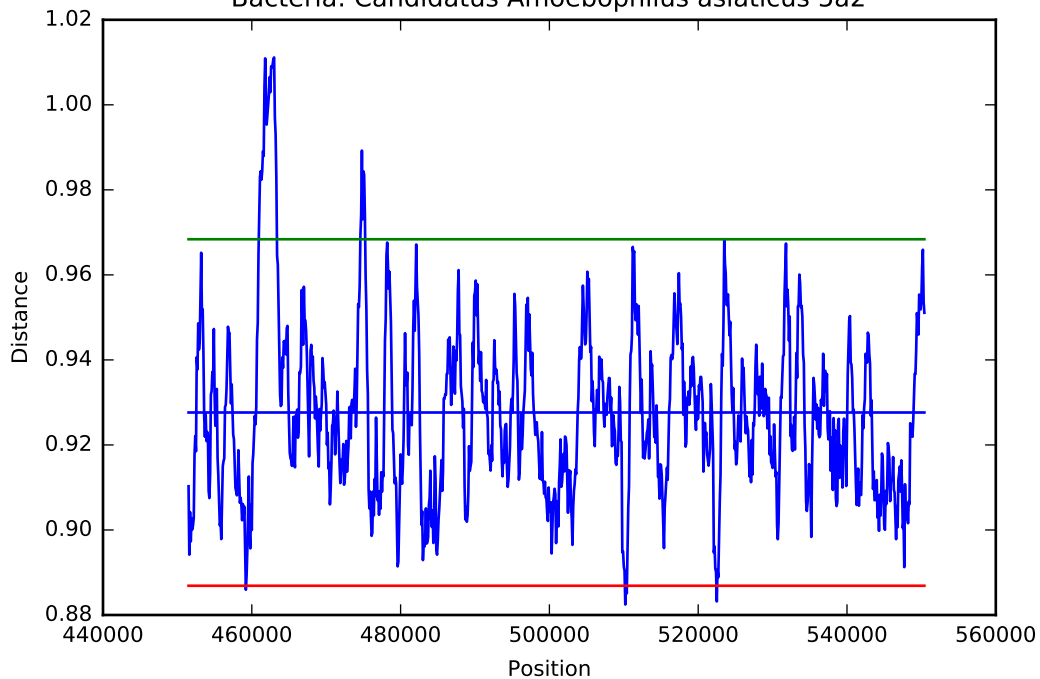


Archaea: *Methanocaldococcus fervens* AG86 plasmid pMEFER01

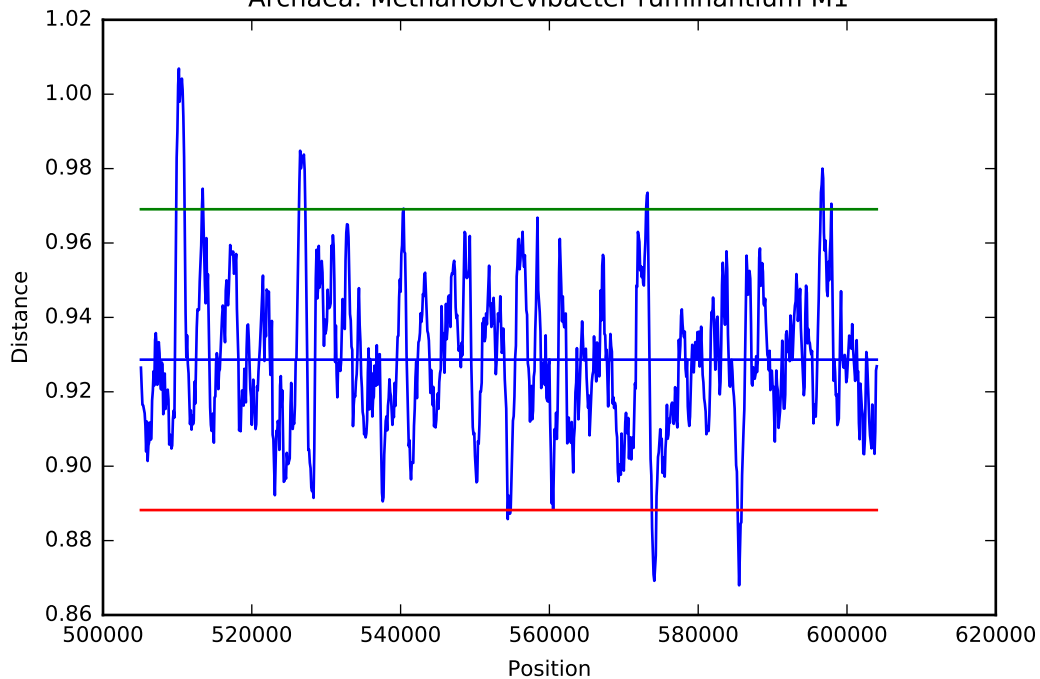




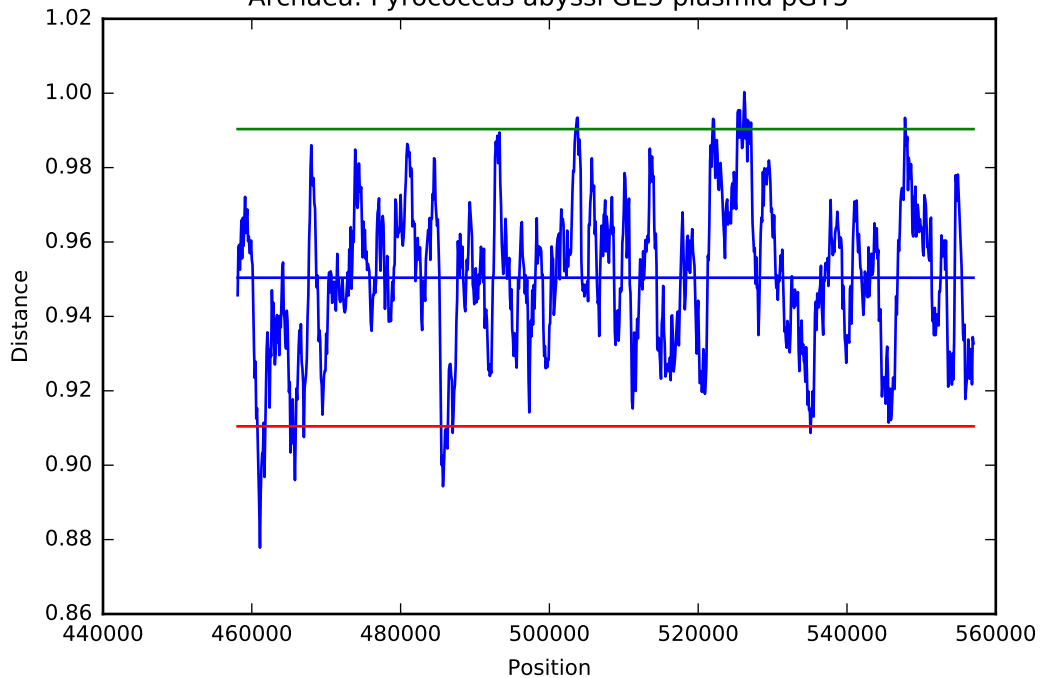
# Bacteria: Candidatus Amoebophilus asiaticus 5a2



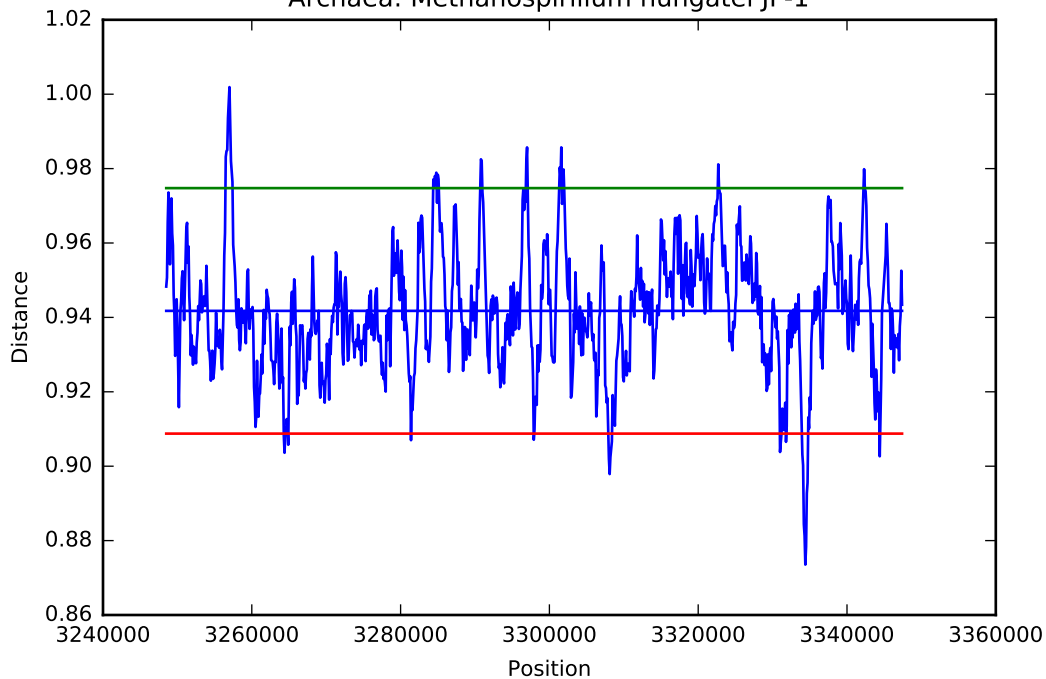
# Archaea: Methanobrevibacter ruminantium M1



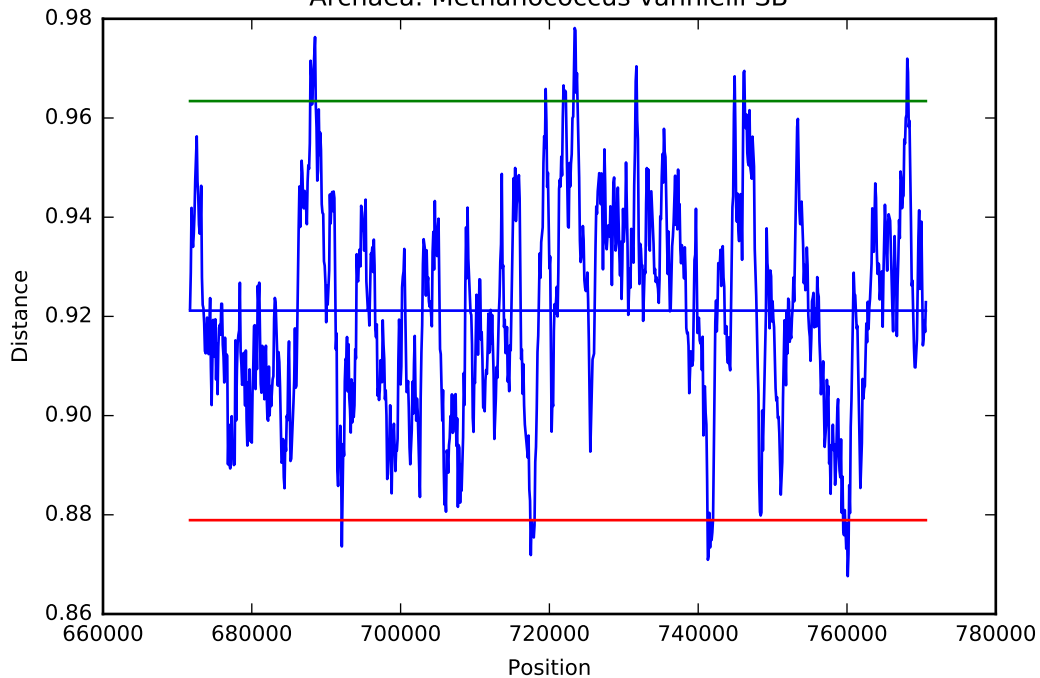
# Archaea: Pyrococcus abyssi GE5 plasmid pGT5



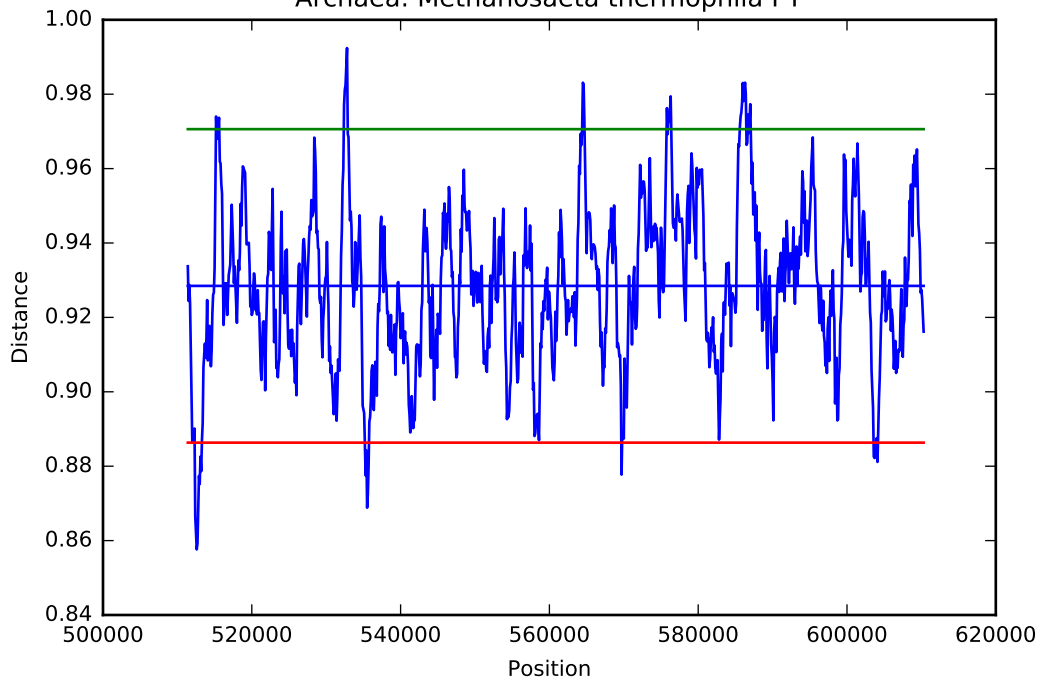
Archaea: *Methanospirillum hungatei* JF-1



Archaea: *Methanococcus vannielii* SB



# Archaea: Methanosaeta thermophila PT



Bacteria: *Campylobacter jejuni* subsp. *jejuni* 81-176 plasmid pVir

