

Giardia lamblia isolate GS genome sequence report as recommended by the Genome Standards Consortium (Field, et al., Nat. Biotech. 2008).

Eukaryote:

ncbiOrganismName : *Giardia lamblia* (syn. *Giardia intestinalis*, *Giardia duodenalis*) isolate GS

ncbiTaxID : 5741

gcatID : 005215_GCAT

goldStamp : Gi00397

genomeProjectID : 33815

studyData:

projectName : *Giardia lamblia* isolate GS draft genome sequencing

originalSample :

organismalMaterial :

name :

genus : *Giardia*

species : *Giardia lamblia*

strain: GS M-H7

typeStrain : false

healthDiseaseStatus :

Isolate :

cultureCollection :

identifier : ATCC50581

subspecificGeneticLineage : Genotype B, M-H7

trophicLevel : heterotrophic (consumer)

numReplicons : 10

bioticRelationship : pathogen

oxygenRelation : anaerobe

ploidyLevel : diploid and binucleic

extrachromosomalElements : no

estimatedSize : 12000000

originalHost : human

alternateHost : mice and other mammals

healthDiseaseStatus : disease

pathogenicity : pathogenic

propagation : infection of the GI-tract and formation and excretion of cysts

nucExtract:

method : Easy DNA kit (Invitrogen)

sequencing:

sequencingMethod : pyrosequencing (454)

assembly :

assemblyMethod : MIRA sequence assembler

estimatedErrorRate : 0.29% of raw bases (before assembly)

methodCalculation : phred quality scores

status : draft

coverage : 16x

contigs : 2931

accession : ACGJ00000000