

The VCF files made available here refer to the following publication:

Nitroheterocyclic drug resistance mechanisms in *Trypanosoma brucei*.

Wyllie S, Foth BJ, Kelner A, Sokolova AY, Berriman M, Fairlamb AH.

J Antimicrob Chemother. 2015 Nov 17

As described in the publication, the VCF files list the genomic positions at which any one of the six drug-resistant and the parental parasite lines had a variant call. The preparation of the DNA libraries and the methods of high-throughput sequencing read alignment and variant calling are described in the publication.

The raw sequence data are available under the following accession numbers at the European Nucleotide Archive (<http://www.ebi.ac.uk/ena>): Tb427 WT (SM_S427): ERS012470; NR-B_427: ERS017528; NR-D_427: ERS017529; NR-G_427: ERS017530; FR-A_427: ERS017531; FR-C_427: ERS017532; and FR-E_427: ERS017533.

For information on the VCF (= Variant Call Format) file format, please see e.g.:

The variant call format and VCFtools.

Danecek P, Auton A, Abecasis G, Albers CA, Banks E, DePristo MA, Handsaker RE, Lunter G, Marth GT, Sherry ST, McVean G, Durbin R; 1000 Genomes Project Analysis Group.

Bioinformatics. 2011 Aug 1;27(15):2156-8

<http://www.1000genomes.org/wiki/Analysis/variant-call-format>

<https://github.com/samtools/hts-specs>

<http://samtools.github.io/hts-specs/VCFv4.2.pdf>

<http://ga4gh.org/#/fileformats-team>