** AFDC 11 (805) DTZS/ISO 20397-2:2021**

 **DRAFT TANZANIA STANDARD**

Biotechnology - Massively parallel sequencing - Part 2: Quality evaluation of sequencing data

 **TANZANIA BUREAU OF STANDARDS**

**NATIONAL FOREWORD**

The Tanzania Bureau of Standards is a statutory national standards body for Tanzania established under the Act.No.3 of 1975, amended by Act.No.2 of 2009.

This Tanzania Standard is being prepared by the Biotechnology Technical Committee, under supervision of Agriculture and Food Standards Divisional Committee (AFDC)

This Tanzania standard specifies general requirements and recommendations for quality assessments and control of massively parallel sequencing (MPS) data. It covers post raw data generation procedures, sequencing alignments, and variant calling. Also gives general guidelines for validation and documentation of MPS data.

This Tanzania standard does not apply to any processes related to de novo assembly.

This Tanzania standard is identical to the ISO 20397-2:2021 Biotechnology - Massively parallel sequencing - Part 2: Quality evaluation of sequencing data published by International Organization for Standardization.

**TERMINOLOGY AND CONVENTIONS**

This text of the international standards if found suitable, may be approved for application as a Tanzania Standard without deviations.

Some terminology and certain conventions are not identical with those used in Tanzania standards; attention is drawn especially to the following.

1. The comma has been used as a decimal marker for metric

 dimensions. In Tanzania standards, it is current practice to use a full

 point on the base line as the decimal marker.

1. Wherever the words “International Standard” appear, referring to

 this Standard they should read as “Tanzania Standard”.