

# ISO/IEC 23092-5:2020 (E)

## Information technology — Genomic information representation — Part 5: Conformance

---

### Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	ISO/IEC 23092-1 conformance
4.1	Definition of ISO/IEC 23092-1 conformance
4.1.1	Assumptions
4.1.2	Definition of ISO/IEC 23092-1 file conformity
4.1.3	Definition of ISO/IEC 23092-1 decoder conformity
4.2	Requirements and functionality under test
4.3	Procedure to test file conformity
4.4	Procedure to test ISO/IEC 23092-1 decoder conformity
4.5	Test items for ISO/IEC 23092-1 conformance
4.5.1	Test items
4.5.2	Specification of tests
4.5.3	Support tool for reference verification
5	ISO/IEC 23092-2 conformance
5.1	Definition of ISO/IEC 23092-2 conformance
5.1.1	Assumptions
5.1.2	Definition of ISO/IEC 23092-2 bitstream conformity
5.1.3	Definition of ISO/IEC 23092-2 decoder conformity
5.2	Requirements and functionality under test
5.3	Procedure to test bitstream conformity
5.4	Procedure to test decoder conformity
5.5	Test items for ISO/IEC 23092-2 conformance
5.5.1	Set I: Genome sequencing data with single alignment
5.5.1.1	Test descriptions
5.5.1.2	Execution of tests
5.5.2	Set II: Quality values
5.5.2.1	Test descriptions
5.5.2.2	Execution of tests
5.5.3	Set III: Compressed references
5.5.3.1	Test descriptions
5.5.3.2	Execution of tests
5.5.4	Set IV: Genome sequencing data with multiple alignments
5.5.4.1	Test descriptions
5.5.4.2	Execution of tests
6	Conformance repository