# **Resource Summary Report**

Generated by dkNET on Apr 29, 2025

# **TelSeq**

RRID:SCR\_002730

Type: Tool

### **Proper Citation**

TelSeq (RRID:SCR\_002730)

#### **Resource Information**

URL: https://github.com/zd1/telseq

**Proper Citation:** TelSeq (RRID:SCR\_002730)

Description: Software that measures average telomere length from whole genome or

exome shotgun sequence data.

Resource Type: software resource

**Defining Citation: PMID:24609383** 

Keywords: c++

Funding:

Availability: GNU General Public License

Resource Name: TelSeq

Resource ID: SCR\_002730

Alternate IDs: OMICS\_03276

**Record Creation Time:** 20220129T080215+0000

**Record Last Update:** 20250420T014119+0000

## Ratings and Alerts

No rating or validation information has been found for TelSeq.

No alerts have been found for TelSeq.

#### Data and Source Information

Source: SciCrunch Registry

### **Usage and Citation Metrics**

We found 48 mentions in open access literature.

**Listed below are recent publications.** The full list is available at dkNET.

Yakovenko I, et al. (2025) Telomemore enables single-cell analysis of cell cycle and chromatin condensation. Nucleic acids research, 53(3).

Wong D, et al. (2024) Cell-free DNA from germline TP53 mutation carriers reflect cancer-like fragmentation patterns. Nature communications, 15(1), 7386.

Clatterbuck Soper SF, et al. (2024) Cancer-associated DAXX mutations reveal a critical role for ATRX localization in ALT suppression. bioRxiv: the preprint server for biology.

Burren OS, et al. (2024) Genetic architecture of telomere length in 462,666 UK Biobank whole-genome sequences. Nature genetics, 56(9), 1832.

Huang R, et al. (2024) The impact of telomere length on prostate cancer aggressiveness, genomic instability and health disparities. Scientific reports, 14(1), 7706.

Chien CW, et al. (2024) Blastocyst telomere length predicts successful implantation after frozen-thawed embryo transfer. Human reproduction open, 2024(2), hoae012.

Díaz-Gay M, et al. (2024) The mutagenic forces shaping the genomic landscape of lung cancer in never smokers. medRxiv: the preprint server for health sciences.

Lynskey ML, et al. (2024) HIRA protects telomeres against R-loop-induced instability in ALT cancer cells. Cell reports, 43(11), 114964.

Slizovskiy IB, et al. (2024) Factors impacting target-enriched long-read sequencing of resistomes and mobilomes. Genome research, 34(11), 2048.

Mukherjee AK, et al. (2024) Telomere length sensitive regulation of interleukin receptor 1 type 1 (IL1R1) by the shelterin protein TRF2 modulates immune signalling in the tumour microenvironment. eLife, 13.

Burkert M, et al. (2024) Copy-number dosage regulates telomere maintenance and disease-associated pathways in neuroblastoma. iScience, 27(10), 110918.

Florez-Vargas O, et al. (2024) Genetic regulation of TERT splicing contributes to reduced or elevated cancer risk by altering cellular longevity and replicative potential. medRxiv: the preprint server for health sciences.

Sung S, et al. (2023) Distinct characteristics of two types of alternative lengthening of telomeres in mouse embryonic stem cells. Nucleic acids research, 51(17), 9122.

Hart SFM, et al. (2023) Centuries of genome instability and evolution in soft-shell clam, Mya? arenaria, bivalve transmissible neoplasia. Nature cancer, 4(11), 1561.

Williams AM, et al. (2023) Deficit Accumulation Index and Biological Markers of Aging in Survivors of Childhood Cancer. JAMA network open, 6(11), e2344015.

Chang Y, et al. (2023) Unraveling the causal genes and transcriptomic determinants of human telomere length. Nature communications, 14(1), 8517.

Light N, et al. (2023) Germline TP53 mutations undergo copy number gain years prior to tumor diagnosis. Nature communications, 14(1), 77.

Gerovska D, et al. (2023) A distinct circular DNA profile intersects with proteome changes in the genotoxic stress-related hSOD1G93A model of ALS. Cell & bioscience, 13(1), 170.

Lynch MT, et al. (2023) Evaluating genomic signatures of aging in brain tissue as it relates to Alzheimer's disease. Scientific reports, 13(1), 14747.

Cheng F, et al. (2022) Shortened Leukocyte Telomere Length Is Associated With Glycemic Progression in Type 2 Diabetes: A Prospective and Mendelian Randomization Analysis. Diabetes care, 45(3), 701.