

Resource Summary Report

Generated by [dkNET](#) on Apr 30, 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.

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

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

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*.

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.

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*.

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

Slizovskiy IB, et al. (2024) Factors impacting target-enriched long-read sequencing of

resistomes and mobilomes. *Genome research*, 34(11), 2048.

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

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.