

Resource Summary Report

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GenAge

RRID:SCR_010223

Type: Tool

Proper Citation

GenAge (RRID:SCR_010223)

Resource Information

URL: <http://genomics.senescence.info/genes/>

Proper Citation: GenAge (RRID:SCR_010223)

Description: Collection of annotated and manually curated data of genes related to aging divided into genes related to longevity and/or aging in model organisms (yeast, worms, flies, mice, etc.) and aging related human genes.

Abbreviations: GenAge

Synonyms: GenAge, GenAge Database of Ageing-Related Genes, The Ageing Gene Database, Gene Database

Resource Type: database, data or information resource

Keywords: collection, curated, data, gene, aging, longevity

Related Condition: Aging

Availability: HAGR's lisense

Resource Name: GenAge

Resource ID: SCR_010223

Alternate IDs: nlx_156768

Record Creation Time: 20220129T080257+0000

Record Last Update: 20260819T044252+0000

Ratings and Alerts

No rating or validation information has been found for GenAge.

No alerts have been found for GenAge.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 157 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Feng X, et al. (2026) Polygonati Rhizoma Attenuates Oxidative Stress-Induced Senescence in Periodontal Ligament Stem Cells. Food science & nutrition, 14(6), e71672.

Singer J, et al. (2026) Senescence-associated gene pathways are differentially expressed in equine aging-related osteoarthritis. American journal of veterinary research, 87(4).

Vega Magdaleno GD, et al. (2026) Pleiotropy and disease interactors: the dual nature of genes linking ageing and ageing-related diseases. Biogerontology, 27(3).

Yu B, et al. (2026) HCCaging: a liver physiological aging-related biomarker for hepatocellular carcinoma diagnosis based on transcriptome data. npj aging, 12(1).

Hua L, et al. (2026) Myeloid-Derived CD38 Mediates Age-Related Endometrial Aging Through NAD⁺ Depletion. Aging cell, 25(1), e70356.

Arends D, et al. (2026) Dynamics of genetic and somatic trade-offs in ageing and mortality. Nature, 654(8118), 437.

Huang L, et al. (2026) Multi-cohort and single-cell profiling of aging genes reveals prognostic and therapeutic targets in breast cancer. iScience, 29(3), 114847.

Liu Z, et al. (2026) Identification of immune-mediated aging genes associated with cervical spondylosis through single-cell eQTL Mendelian randomization. Frontiers in immunology, 17, 1766215.

Zhao X, et al. (2026) HK2-driven histone H3K18 lactylation promotes stromal cell senescence and decidualization deficiency in URSA via CUX1-mediated SASP factor transcription. Cellular & molecular biology letters, 31(1).

Wyles SP, et al. (2025) SenSkin???: a human skin-specific cellular senescence gene set. GeroScience, 47(3), 2631.

Fu X, et al. (2025) Cxcl9 modulates aging associated microvascular metabolic and angiogenic dysfunctions in subcutaneous adipose tissue. Angiogenesis, 28(2), 17.

Zhou F, et al. (2025) Robust and Adaptive Non-Parametric Tests for Detecting General Distributional Shifts in Gene Expression. *bioRxiv : the preprint server for biology*.

Zhou X, et al. (2025) Comprehensive Cellular Senescence Evaluation to Aid Targeted Therapies. *Research (Washington, D.C.)*, 8, 0576.

Liu Y, et al. (2025) Heterochronic parabiosis uncovers AdipoR1 as a critical player in retinal rejuvenation. *Science advances*, 11(29), eadv6642.

Bock SL, et al. (2025) Widespread sex-biased gene expression reflects female-biased longevity in a species with environmental sex determination. *bioRxiv : the preprint server for biology*.

Chaurasiya M, et al. (2025) Identification of Ageing-related Hub Genes in Humans, Mouse and Rat Based on Bioinformatics Analysis. *Annals of neurosciences*, 09727531251381065.

Li CL, et al. (2025) Unveiling the role of EGR1 and hub senescence-related genes in type II alveolar epithelial cells senescence for obstructive sleep apnea. *BMC biotechnology*, 26(1), 8.

Bartz J, et al. (2025) Human Cell Aging Transcriptome Atlas (HCATA): a single-cell atlas of age-associated transcriptomic alterations across human tissues. *Communications biology*, 8(1), 1450.

Ni M, et al. (2025) Role of Aging in Ulcerative Colitis Pathogenesis: A Focus on ETS1 as a Promising Biomarker. *Journal of inflammation research*, 18, 1839.

Arends D, et al. (2025) Genetic Modulation of Lifespan: Dynamic Effects, Sex Differences, and Body Weight Trade-offs. *bioRxiv : the preprint server for biology*.