

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 28, 2026

ESTHER

RRID:SCR_002621

Type: Tool

Proper Citation

ESTHER (RRID:SCR_002621)

Resource Information

URL: <http://bioweb.ensam.inra.fr/esther>

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Description: Database and tools for analysis of protein and nucleic acid sequences belonging to superfamily of alpha/beta hydrolases homologous to cholinesterases. Covers multiple species, including human, mouse caenorhabditis and drosophila., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Abbreviations: ESTHER

Synonyms: ESTerases and alpha/beta-Hydrolase Enzymes and Relatives, ESTHER Database, ESTerases and alpha / beta-hydrolase Enzymes and Relatives

Resource Type: database, data or information resource

Defining Citation: [PMID:23193256](#)

Keywords: alpha hydrolase, beta hydrolase, cholinesterase, protein, protein superfamily, blast, gene, protein binding, protein-protein interaction, nucleotide, nucleotide sequence, enzyme, genetics, genome, genomics, mutation, disease, gene expression, peptide, chromosome

Availability: Free, Available for download, Freely available

Resource Name: ESTHER

Resource ID: SCR_002621

Alternate IDs: nif-0000-30526, SCR_008479, nif-0000-02817, r3d100010542

Alternate URLs: <https://doi.org/10.17616/R33K77>

Record Creation Time: 20220129T080214+0000

Ratings and Alerts

No rating or validation information has been found for ESTHER.

No alerts have been found for ESTHER.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 134 mentions in open access literature.

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

McReynolds E, et al. (2025) An ecological-evolutionary perspective on the genomic diversity and habitat preferences of the Acidobacteriota. *Microbial genomics*, 11(1).

Torgutalp M, et al. (2025) Association between resolution of MRI-detected inflammation and improved clinical outcomes in axial spondyloarthritis under long-term anti-TNF therapy. *RMD open*, 11(1).

Xie R, et al. (2025) Novel type 2 diabetes prediction score based on traditional risk factors and circulating metabolites: model derivation and validation in two large cohort studies. *EClinicalMedicine*, 79, 102971.

Zhao Z, et al. (2025) Smoking-independent DNA methylation markers for lung cancer risk: External validation in a large population-based cohort study. *Cancer science*, 116(3), 775.

Xie R, et al. (2025) Improving 10-year cardiovascular risk prediction in patients with type 2 diabetes with metabolomics. *Cardiovascular diabetology*, 24(1), 18.

Stocker H, et al. (2025) Association of Nonmodifiable Risk Factors With Alzheimer Disease Blood Biomarkers in Community-Dwelling Adults in the ESTHER Study. *Neurology*, 104(9), e213500.

Medici F, et al. (2025) Integrating Novel and Classical Prognostic Factors in Locally Advanced Cervical Cancer: A Machine Learning-Based Predictive Model (ESTHER Study). *Journal of personalized medicine*, 15(4).

Seum T, et al. (2025) Exploring metabolomics for colorectal cancer risk prediction: evidence from the UK Biobank and ESTHER cohorts. *BMC medicine*, 23(1), 283.

Mulvale G, et al. (2024) Adopting, implementing and assimilating coproduced health and social care innovations involving structurally vulnerable populations: findings from a longitudinal, multiple case study design in Canada, Scotland and Sweden. *Health research policy and systems*, 22(1), 42.

Stevenson-Hoare J, et al. (2024) Subjective hearing and memory problems are associated with dementia and cognition in later life. *Alzheimer's & dementia* (Amsterdam, Netherlands), 16(3), e12624.

Wasmund K, et al. (2024) The predicted secreted proteome of activated sludge microorganisms indicates distinct nutrient niches. *mSystems*, 9(10), e0030124.

Schöttker B, et al. (2024) Strong associations of serum selenoprotein P with all-cause mortality and mortality due to cancer, cardiovascular, respiratory and gastrointestinal diseases in older German adults. *European journal of epidemiology*, 39(2), 121.

Herzog C, et al. (2024) Cigarette Smoking and E-cigarette Use Induce Shared DNA Methylation Changes Linked to Carcinogenesis. *Cancer research*, 84(11), 1898.

Liu N, et al. (2024) Intracellular removal of acetyl, feruloyl and p-coumaroyl decorations on arabinoxylo-oligosaccharides imported from lignocellulosic biomass degradation by *Ruminiclostridium cellulolyticum*. *Microbial cell factories*, 23(1), 151.

Santamarina-García G, et al. (2024) Shotgun metagenomic sequencing reveals the influence of artisanal dairy environments on the microbiomes, quality, and safety of Idiazabal, a raw ewe milk PDO cheese. *Microbiome*, 12(1), 262.

Omura T, et al. (2024) Microbial decomposition of biodegradable plastics on the deep-sea floor. *Nature communications*, 15(1), 568.

Raut JR, et al. (2024) Cancer-specific risk prediction with a serum microRNA signature. *Cancer science*, 115(6), 2049.

Azzolino D, et al. (2024) Poor Nutritional Status Is Associated with Death in a Population of Dialyzed Older Persons. *The Journal of frailty & aging*, 13(2), 172.

Ünal P, et al. (2024) Polymorphisms in transcription factor binding sites and enhancer regions and pancreatic ductal adenocarcinoma risk. *Human genomics*, 18(1), 12.

McReynolds E, et al. (2024) An ecological-evolutionary perspective on the genomic diversity and habitat preferences of the Acidobacteriota. *bioRxiv : the preprint server for biology*.