

Resource Summary Report

Generated by [dkNET](#) on Apr 22, 2025

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.

Abbreviations: ESTHER

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

Resource Type: data or information resource, database

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

Funding:

Availability: Free, Freely available

Resource Name: ESTHER

Resource ID: SCR_002621

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

Record Creation Time: 20220129T080214+0000

Record Last Update: 20250422T055034+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 129 mentions in open access literature.

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

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).

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

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

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.

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

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.

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.

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.

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.

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*.

Stocker H, et al. (2023) Association of Kidney Function With Development of Alzheimer Disease and Other Dementias and Dementia-Related Blood Biomarkers. *JAMA network open*, 6(1), e2252387.

Stocker H, et al. (2023) Alzheimer's polygenic risk scores, APOE, Alzheimer's disease risk, and dementia-related blood biomarker levels in a population-based cohort study followed over 17 years. *Alzheimer's research & therapy*, 15(1), 129.

Perna L, et al. (2023) Subjective cognitive complaints and blood biomarkers of neurodegenerative diseases: a longitudinal cohort study. *Alzheimer's research & therapy*, 15(1), 198.

Murison V, et al. (2023) Bioinformatics-Based Screening Approach for the Identification and Characterization of Lipolytic Enzymes from the Marine Diatom *Phaeodactylum tricornutum*. *Marine drugs*, 21(2).

Duggan MR, et al. (2023) Plasma proteins related to inflammatory diet predict future cognitive impairment. *Molecular psychiatry*, 28(4), 1599.