

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 12, 2026

Unipept

RRID:SCR_024987

Type: Tool

Proper Citation

Unipept (RRID:SCR_024987)

Resource Information

URL: <https://unipept.ugent.be/>

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Description: Web application for metaproteome data analysis, with initial focus on tryptic-peptide-based biodiversity analysis of MS/MS samples. Designed for metaproteomics data analysis with focus on interactive data visualizations. Unipept 4.0 introduces complementary functional analysis based on GO terms and EC numbers.

Synonyms: Unipept 4.0

Resource Type: software resource, web application

Defining Citation: [PMID:30465426](#)

Keywords: metaproteomics data analysis, interactive data visualizations, biodiversity analysis of large and complex metaproteome samples,

Availability: Free, Freely available

Resource Name: Unipept

Resource ID: SCR_024987

Record Creation Time: 20240202T050227+0000

Record Last Update: 20260912T200435+0000

Ratings and Alerts

No rating or validation information has been found for Unipept.

No alerts have been found for Unipept.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Zhao Z, et al. (2026) Fecal metaproteomics reveals alterations in gut microbiota and intestinal proteins in adolescents with bipolar depression. *Translational psychiatry*, 16(1).

Abbondio M, et al. (2026) A human fecal metaproteomic dataset from celiac disease patients on gluten-free diet with or without poly-autoimmunity. *Data in brief*, 65, 112501.

Holstein T, et al. (2026) The Peptonizer2000: Bringing Confidence to Metaproteomics. *Journal of proteome research*, 25(4), 1831.

Kontopodis E, et al. (2025) Uniquome: Construction and decoding of a novel proteomic atlas that contains new peptide entities. *Computational and structural biotechnology journal*, 27, 2123.

Van Den Bossche T, et al. (2025) The microbiologist's guide to metaproteomics. *iMeta*, 4(3), e70031.

Bao D, et al. (2025) Precise mycobacterial species and subspecies identification using the PEP-TORCH peptidome algorithm. *EMBO molecular medicine*, 17(4), 841.

Griffiths JA, et al. (2024) Peripheral neuronal activation shapes the microbiome and alters gut physiology. *Cell reports*, 43(4), 113953.

Nahon SMR, et al. (2024) Impact of Agroforestry Practices on Soil Microbial Diversity and Nutrient Cycling in Atlantic Rainforest Cocoa Systems. *International journal of molecular sciences*, 25(21).

Wu EH, et al. (2024) [Microbial metaproteomics--From sample processing to data acquisition and analysis]. *Se pu = Chinese journal of chromatography*, 42(7), 658.

Nasr E, et al. (2024) microGalaxy: A gateway to tools, workflows, and training for reproducible and FAIR analysis of microbial data. *bioRxiv : the preprint server for biology*.

M??ndez A, et al. (2024) Environmental Proteomics Elucidates Phototrophic Biofilm Responses to Ornamental Lighting on Stone-built Heritage. *Microbial ecology*, 87(1), 147.

Arikan M, et al. (2024) gNOMO2: a comprehensive and modular pipeline for integrated multi-omics analyses of microbiomes. *GigaScience*, 13.

Zhang T, et al. (2024) Core microbiome-associated proteins associated with ulcerative colitis interact with cytokines for synergistic or antagonistic effects on gut bacteria. *The ISME journal*, 18(1).

Tanca A, et al. (2022) Metaproteomic Profile of the Colonic Luminal Microbiota From Patients With Colon Cancer. *Frontiers in microbiology*, 13, 869523.

Saelens G, et al. (2022) Targeted proteomics and specific immunoassays reveal the presence of shared allergens between the zoonotic nematodes *Anisakis simplex* and *Pseudoterranova decipiens*. *Scientific reports*, 12(1), 4127.