Resource Summary Report

Generated by SPARC SAWG on Jul 28, 2026

UniCarb-DB

RRID:SCR_014407
Type: Tool

Proper Citation

UniCarb-DB (RRID:SCR_014407)

Resource Information

URL: http://unicarb-db.biomedicine.gu.se

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Description: An experimental glycomic MS database initially created to meet the in-house need to store structural and MS-glycomic data. Users can search by taxonomy and tissue, mass and composition, and MS/MS.

Synonyms: UniCarb-DB structural- MS spectral library database

Resource Type: database, data or information resource

Defining Citation: DOI:10.1093/bioinformatics/btr137

Keywords: database, carbohydrate, glycomic ms, spectral library, structural ms, bio.tools

Funding: Nectar ;
Australian National Data Service ;
Swedish Foundation for International Cooperation in Research and Higher Education ;
Swiss Institute of Bioinformatics ExPASy

Availability: Available to the research community

Resource Name: UniCarb-DB

Resource ID: SCR_014407

Alternate IDs: biotools:unicarb-db

Alternate URLs: https://bio.tools/unicarb-db

Record Creation Time: 20220129T080320+0000

Record Last Update: 20260725T191209+0000

Ratings and Alerts

No rating or validation information has been found for UniCarb-DB.

No alerts have been found for UniCarb-DB.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Contessotto P, et al. (2023) Reproducing extracellular matrix adverse remodelling of non-ST myocardial infarction in a large animal model. Nature communications, 14(1), 995.

Benktander J, et al. (2022) Aeromonas salmonicida binds ?2-6 linked sialic acid, which is absent among the glycosphingolipid repertoires from skin, gill, stomach, pyloric caecum, and intestine. Virulence, 13(1), 1741.

Chahal G, et al. (2022) A Complex Connection Between the Diversity of Human Gastric Mucin O-Glycans, Helicobacter pylori Binding, Helicobacter Infection and Fucosylation. Molecular & cellular proteomics : MCP, 21(11), 100421.

Trbojevi?-Akma?i? I, et al. (2022) High-Throughput Glycomic Methods. Chemical reviews, 122(20), 15865.

Benktander J, et al. (2021) Stress Impairs Skin Barrier Function and Induces ?2-3 Linked N-Acetylneuraminic Acid and Core 1 O-Glycans on Skin Mucins in Atlantic Salmon, Salmo salar. International journal of molecular sciences, 22(3).

Jin C, et al. (2020) Identification by mass spectrometry and immunoblotting of xenogeneic antigens in the N- and O-glycomes of porcine, bovine and equine heart tissues. Glycoconjugate journal, 37(4), 485.

Benktander J, et al. (2020) Gill Mucus and Gill Mucin O-glycosylation in Healthy and Amebic Gill Disease-Affected Atlantic Salmon. Microorganisms, 8(12).

Bennun SV, et al. (2016) Systems Glycobiology: Integrating Glycogenomics, Glycoproteomics, Glycomics, and Other 'Omics Data Sets to Characterize Cellular Glycosylation Processes. Journal of molecular biology, 428(16), 3337.