Resource Summary Report

Generated by kravitz2 on Sep 5, 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: data or information resource, database

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: 20260904T000347+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 kravitz2 .

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).

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

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.

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.