Resource Summary Report

Generated by NIF on Apr 20, 2025

LaCyTools

RRID:SCR_024525
Type: Tool

Proper Citation

LaCyTools (RRID:SCR_024525)

Resource Information

URL: https://github.com/Tarskin/LaCyTools

Proper Citation: LaCyTools (RRID:SCR_024525)

Description: Software high throughput data extraction package for LC-MS data.Targeted Liquid Chromatography-Mass Spectrometry data processing package for relative quantitation of glycopeptides.

Resource Type: software toolkit, software resource

Defining Citation: PMID:27267458

Keywords: Targeted Liquid Chromatography, Mass Spectrometry Data Processing, relative quantitation of glycopeptides,

Funding:

Availability: Free, Available for download, Freely available

Resource Name: LaCyTools

Resource ID: SCR_024525

License: Apache v2.0

Record Creation Time: 20231002T161337+0000

Record Last Update: 20250420T015434+0000

Ratings and Alerts

No rating or validation information has been found for LaCyTools.

No alerts have been found for LaCyTools.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Kissel T, et al. (2024) N-linked Fc glycosylation is not required for IgG-B-cell receptor function in a GC-derived B-cell line. Nature communications, 15(1), 393.

Gijze S, et al. (2024) Simultaneous Protein Quantitation and Glycosylation Profiling of Antigen-Specific Immunoglobulin G1 in Large Clinical Studies. Journal of proteome research, 23(12), 5600.

de Taeye SW, et al. (2024) Afucosylated broadly neutralizing antibodies enhance clearance of HIV-1 infected cells through cell-mediated killing. Communications biology, 7(1), 964.

Pribi? T, et al. (2024) A 2-year calorie restriction intervention reduces glycomic biological age biomarkers. medRxiv : the preprint server for health sciences.

van Tol BDM, et al. (2023) Neutron-encoded diubiquitins to profile linkage selectivity of deubiquitinating enzymes. Nature communications, 14(1), 1661.

Kissel T, et al. (2022) Surface Ig variable domain glycosylation affects autoantigen binding and acts as threshold for human autoreactive B cell activation. Science advances, 8(6), eabm1759.

Falck D, et al. (2022) Clearance of therapeutic antibody glycoforms after subcutaneous and intravenous injection in a porcine model. mAbs, 14(1), 2145929.

Werner A, et al. (2021) Targeting B cells in the pre-phase of systemic autoimmunity globally interferes with autoimmune pathology. iScience, 24(9), 103076.

Falck D, et al. (2021) Glycoform-resolved pharmacokinetic studies in a rat model employing glycoengineered variants of a therapeutic monoclonal antibody. mAbs, 13(1), 1865596.

Cheng HD, et al. (2020) IgG Fc glycosylation as an axis of humoral immunity in childhood. The Journal of allergy and clinical immunology, 145(2), 710.

Zaytseva OO, et al. (2020) Fc-Linked IgG N-Glycosylation in Fc?R Knock-Out Mice.

Frontiers in cell and developmental biology, 8, 67.

Sénard T, et al. (2020) MS-Based Allotype-Specific Analysis of Polyclonal IgG-Fc N-Glycosylation. Frontiers in immunology, 11, 2049.

Steffen U, et al. (2020) IgA subclasses have different effector functions associated with distinct glycosylation profiles. Nature communications, 11(1), 120.

Mom?ilovi? A, et al. (2020) Simultaneous Immunoglobulin A and G Glycopeptide Profiling for High-Throughput Applications. Analytical chemistry, 92(6), 4518.

de Taeye SW, et al. (2020) Fc?R Binding and ADCC Activity of Human IgG Allotypes. Frontiers in immunology, 11, 740.

Pereira MS, et al. (2020) Genetic Variants of the MGAT5 Gene Are Functionally Implicated in the Modulation of T Cells Glycosylation and Plasma IgG Glycome Composition in Ulcerative Colitis. Clinical and translational gastroenterology, 11(4), e00166.

de Haan N, et al. (2018) Differences in IgG Fc Glycosylation Are Associated with Outcome of Pediatric Meningococcal Sepsis. mBio, 9(3).

Engdahl C, et al. (2018) Estrogen induces St6gal1 expression and increases IgG sialylation in mice and patients with rheumatoid arthritis: a potential explanation for the increased risk of rheumatoid arthritis in postmenopausal women. Arthritis research & therapy, 20(1), 84.