Resource Summary Report

Generated by Kravitz on Sep 10, 2026

GlyVicinity

RRID:SCR_001567
Type: Tool

Proper Citation

GlyVicinity (RRID:SCR_001567)

Resource Information

URL: http://www.glycosciences.de/tools/glyvicinity/

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Description: Service to generate statistics about the amino acids present in the vicinity of carbohydrate residues. Besides the amino acids in sequential neighborhood of glycosylation sites (analysed by GlySeq), those in the spatial vicinity of carbohydrate residues determine the characteristics of glycoproteins. The latter ones are of special interest for the examination of carbohydrate-binding proteins. Since carbohydrate moieties are not covalently bound in these cases, sequence analysis comparable to that for glycosylation sites is not possible there. GlyVicinity performs statistical analyses on the types of amino acids around carbohydrate chains and on the atoms forming the closest contacts between protein and carbohydrate residues. Results are based on weekly updated datasets derived from the Protein Data Bank (PDB).

Abbreviations: GlyVicinity

Synonyms: GlyVicinity: Analysis of Amino Acids in the Vicinity of Carbohydrate Residues contained in the Protein Data Bank (PDB)

Resource Type: analysis service resource, data analysis service, data or information resource, data set, production service resource, service resource

Defining Citation: PMID:15608187

Keywords: carbohydrate, amino acid, carbohydrate residue, statistical analysis

Funding: DFG

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: GlyVicinity

Resource ID: SCR_001567

Alternate IDs: nlx_152880

Record Creation Time: 20220129T080208+0000

Record Last Update: 20260905T132436+0000

Ratings and Alerts

No rating or validation information has been found for GlyVicinity.

No alerts have been found for GlyVicinity.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

L??tteke T, et al. (2012) The use of glycoinformatics in glycochemistry. Beilstein journal of organic chemistry, 8, 915.