

# Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 18, 2026

## GlyVicinity

RRID:SCR\_001567

Type: Tool

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### Proper Citation

GlyVicinity (RRID:SCR\_001567)

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### Resource Information

**URL:** <http://www.glycosciences.de/tools/glyvicinity/>

**Proper Citation:** GlyVicinity (RRID:SCR\_001567)

**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:** 20260912T195527+0000

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## Ratings and Alerts

No rating or validation information has been found for GlyVicinity.

No alerts have been found for GlyVicinity.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

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