

PI: Raja Mazumder
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Data Collection

Glycan centric
GLYD500060

Homo sapiens, CSV

Glycome Accessions

GlyYouCan Acc	PubChem ID	GlycomeDB ID
G95617FJ	CID..SID..	7752
G55459MJ	CID..SID..	2428

GlyYouCan accessions mapped to
GlycomeDB, Glyco, PubChem etc. ...
[view details](#)

Data collection from multiple
international resources with metadata

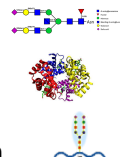
Search - Explore

Glycan Search

Protein Search

Glycoprotein Search

Searches by glycan/protein/glycoprotein



PI: William York
CCRC, University of Georgia

Data Access



Data can be accessed via data page
(data.glygen.org), APIs (api.glygen.org)
and SPARQL endpoint (sparql.glygen.org)

Quick Search

What are the glycosyltransferases in species X?

Species:

Quick search to answer user specific
questions in glycan, protein, glycoprotein
and disease domain

GlyGen
Computational and Informatics Resources and Tools for
Glycoscience Research

GlyGen is a data integration and dissemination project for carbohydrate and glycoconjugate related data. GlyGen retrieves information from multiple international data sources and integrates and harmonizes this data. This web portal allows exploring this data and performing unique searches that cannot be executed in any of the integrated databases alone.

Version
Portal: 1.0.1 (19/Sep/2018)
Webservices: 1.1.10 (03/Apr/2019)
Data: 1.0.13 (26/Apr/2019)

Your Opinion Matters

Please provide feedback and suggestions to help us improve the GlyGen portal and make it more useful for the community.

[LEAVE FEEDBACK](#)

Statistics & Facts

Species	Glycans	Proteins	Glycoproteins
Homo sapiens	3302	21080	4530
Mus musculus	517	22289	3792

License and Repository

Data License

Source Code License



GPLv3
Free as in Freedom
The GNU General Public License v3.0

GitHub Repository



GitHub

<https://github.com/glygener>

Open license for data and source code

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Web portal: <https://glygen.org>
Data store: <https://data.glygen.org>
WS API: <https://api.glygen.org>

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GlyGen.org

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