

The diagram illustrates the sequential and branching pathways of glycan modifications. The flow begins with the 'Core Protein' and proceeds through a series of enzymatic steps. The width of each bar represents the relative frequency of that modification. Key features include a large 'Sulfatase' node, a significant 'Glycosyltransferase' node, and a final 'Sulfohydrolase' node. The diagram shows how a single protein can undergo multiple, different modifications in parallel or sequentially.

From Node	To Node	Relative Frequency (Bar Width)
Core Protein	Xylosyltransferase	Low
Xylosyltransferase	Galactosyltransferase	Low
Galactosyltransferase	Glucuronyltransferase	Low
Glucuronyltransferase	Glycosyltransferase	Low
Glycosyltransferase	Sulfotransferase	Low
Sulfotransferase	Sulfatase	Low
Sulfatase	Kinase	Low
Kinase	Sugar Epimerase	Low
Sugar Epimerase	Glycosidase	Low
Glycosidase	Sulfohydrolase	Low
Core Protein	Sulfatase	High
Xylosyltransferase	Galactosyltransferase	Low
Galactosyltransferase	Glucuronyltransferase	Low
Glucuronyltransferase	Glycosyltransferase	Low
Glycosyltransferase	Sulfotransferase	Low
Sulfotransferase	Sulfatase	Low
Sulfatase	Kinase	Low
Kinase	Sugar Epimerase	Low
Sugar Epimerase	Glycosidase	Low
Glycosidase	Sulfohydrolase	Low
Core Protein	Sulfatase	High
Xylosyltransferase	Galactosyltransferase	Low
Galactosyltransferase	Glucuronyltransferase	Low
Glucuronyltransferase	Glycosyltransferase	Low
Glycosyltransferase	Sulfotransferase	Low
Sulfotransferase	Sulfatase	Low
Sulfatase	Kinase	Low
Kinase	Sugar Epimerase	Low
Sugar Epimerase	Glycosidase	Low
Glycosidase	Sulfohydrolase	Low
Core Protein	Sulfatase	High
Xylosyltransferase	Galactosyltransferase	Low
Galactosyltransferase	Glucuronyltransferase	Low
Glucuronyltransferase	Glycosyltransferase	Low
Glycosyltransferase	Sulfotransferase	Low
Sulfotransferase	Sulfatase	Low
Sulfatase	Kinase	Low
Kinase	Sugar Epimerase	Low
Sugar Epimerase	Glycosidase	Low
Glycosidase	Sulfohydrolase	Low
Core Protein	Sulfatase	High
Xylosyltransferase	Galactosyltransferase	Low
Galactosyltransferase	Glucuronyltransferase	Low
Glucuronyltransferase	Glycosyltransferase	Low
Glycosyltransferase	Sulfotransferase	Low
Sulfotransferase	Sulfatase	Low
Sulfatase	Kinase	Low
Kinase	Sugar Epimerase	Low
Sugar Epimerase	Glycosidase	Low
Glycosidase	Sulfohydrolase	Low
Core Protein	Sulfatase	High
Xylosyltransferase	Galactosyltransferase	Low
Galactosyltransferase	Glucuronyltransferase	Low
Glucuronyltransferase	Glycosyltransferase	Low
Glycosyltransferase	Sulfotransferase	Low
Sulfotransferase	Sulfatase	Low
Sulfatase	Kinase	Low
Kinase	Sugar Epimerase	Low
Sugar Epimerase	Glycosidase	Low
Glycosidase	Sulfohydrolase	Low
Core Protein	Sulfatase	High
Xylosyltransferase	Galactosyltransferase	Low
Galactosyltransferase	Glucuronyltransferase	Low
Glucuronyltransferase	Glycosyltransferase	Low
Glycosyltransferase	Sulfotransferase	Low
Sulfotransferase	Sulfatase	Low
Sulfatase	Kinase	Low
Kinase	Sugar Epimerase	Low
Sugar Epimerase	Glycosidase	Low
Glycosidase	Sulfohydrolase	Low
Core Protein	Sulfatase	High
Xylosyltransferase	Galactosyltransferase	Low
Galactosyltransferase	Glucuronyltransferase	Low
Glucuronyltransferase	Glycosyltransferase	Low
Glycosyltransferase	Sulfotransferase	Low
Sulfotransferase	Sulfatase	Low
Sulfatase	Kinase	Low
Kinase	Sugar Epimerase	Low
Sugar Epimerase	Glycosidase	Low
Glycosidase	Sulfohydrolase	Low
Core Protein	Sulfatase	High
Xylosyltransferase	Galactosyltransferase	Low
Galactosyltransferase	Glucuronyltransferase	Low
Glucuronyltransferase	Glycosyltransferase	Low
Glycosyltransferase	Sulfotransferase	Low
Sulfotransferase	Sulfatase	Low
Sulfatase	Kinase	Low
Kinase	Sugar Epimerase	Low
Sugar Epimerase	Glycosidase	Low
Glycosidase	Sulfohydrolase	Low
Core Protein	Sulfatase	High
Xylosyltransferase	Galactosyltransferase	Low
Galactosyltransferase	Glucuronyltransferase	Low
Glucuronyltransferase	Glycosyltransferase	Low
Glycosyltransferase	Sulfotransferase	Low
Sulfotransferase	Sulfatase	Low
Sulfatase	Kinase	Low
Kinase	Sugar Epimerase	Low
Sugar Epimerase	Glycosidase	Low
Glycosidase	Sulfohydrolase	Low
Core Protein	Sulfatase	High
Xylosyltransferase	Galactosyltransferase	Low
Galactosyltransferase	Glucuronyltransferase	Low
Glucuronyltransferase	Glycosyltransferase	Low
Glycosyltransferase	Sulfotransferase	Low
Sulfotransferase	Sulfatase	Low
Sulfatase	Kinase	Low
Kinase	Sugar Epimerase	Low
Sugar Epimerase	Glycosidase	Low
Glycosidase	Sulfohydrolase	

Sulfohydrolase