

Keratan sulfate biosynthesis

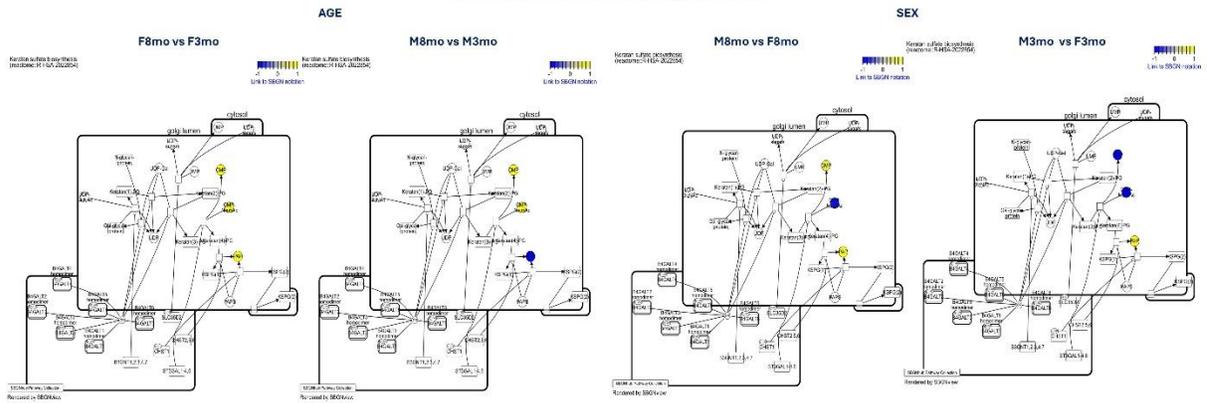


Figure S3. SBN pathways mapping of Keratan sulfate biosynthesis for the sex and age comparison. Metabolite hits with a p-value less than or equal to 0.05 from both compound discoverer MS/MS identification and MetaboAnalystR peak list identification shows on a spectrum from blue = $-1\log_2$ fold change to yellow = $1\log_2$ fold change.

O-Glycan biosynthesis

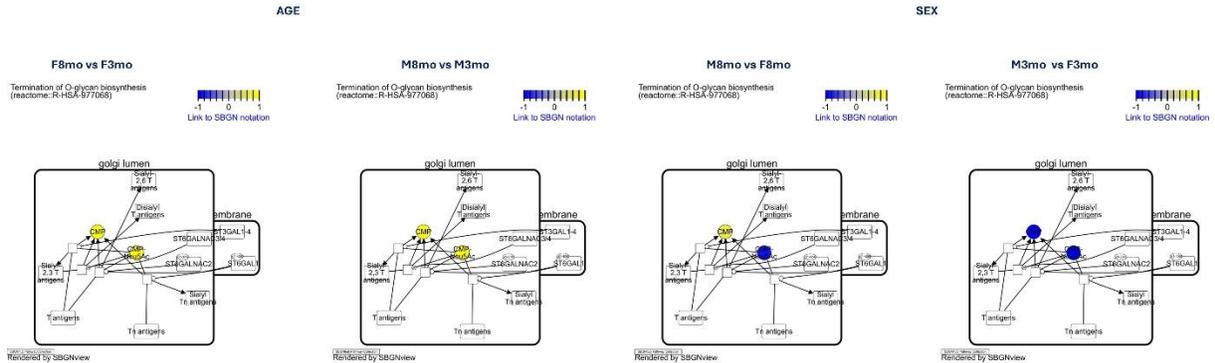


Figure S4. SBN pathways mapping of O-Glycan biosynthesis for the sex and age comparison. Metabolite hits with a p-value less than or equal to 0.05 from both compound discoverer MS/MS identification and MetaboAnalystR peak list identification shows on a spectrum from blue = $-1\log_2$ fold change to yellow = $1\log_2$ fold change.

Sialic acid metabolism

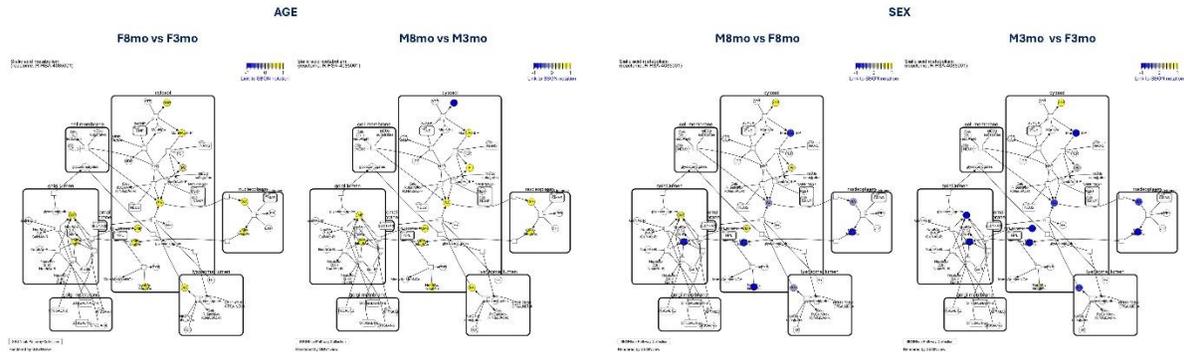


Figure S5. SBN pathways mapping of Sialic acid metabolism for the sex and age comparison. Metabolite hits with a p-value less than or equal to 0.05 from both compound discoverer MS/MS identification and MetaboAnalystR peak list identification shows on a spectrum from blue = $-1 \log_2$ fold change to yellow = $1 \log_2$ fold change.