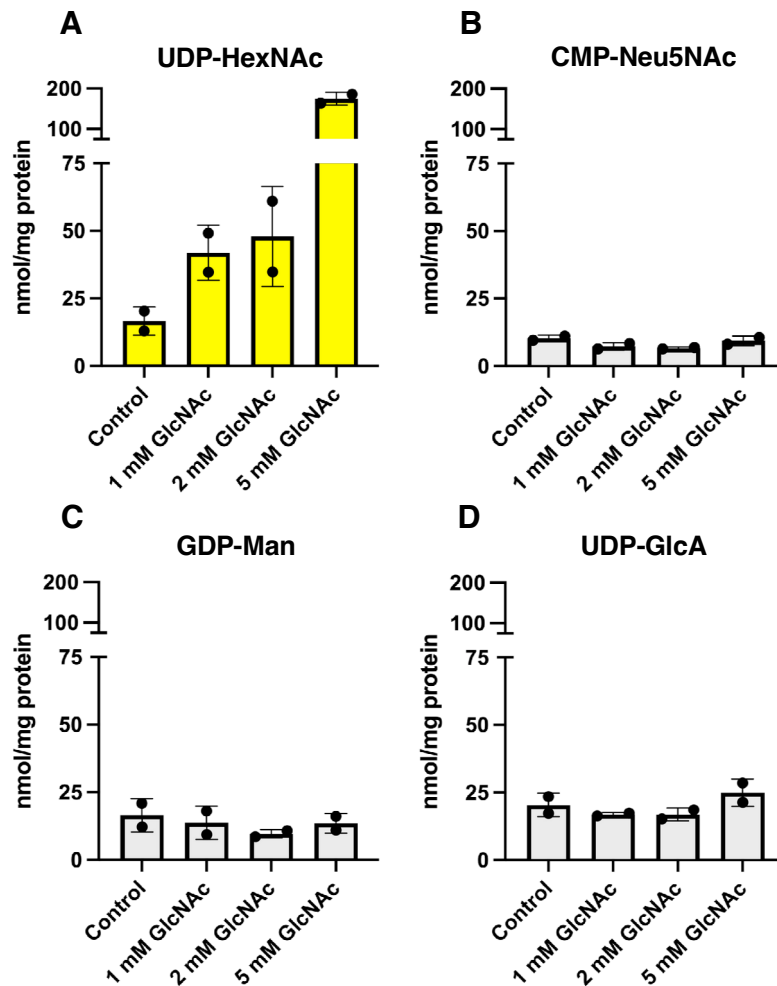




Supplementary Fig. 2. Assimilation of GlcNAc by Myoblasts

A-D. Intracellular levels of monosaccharide nucleotides were measured using mass spectrometry. Due to the indistinguishability of UDP-GlcNAc and UDP-N-acetylgalactosamine by the mass spectrometer, they are collectively reported as UDP-N-acetylhexosamine (UDP-HexNAc; **A**). Levels of cytidine monophosphate N-acetylneuraminic acid (CMP-Neu5Ac; **B**), guanosine diphosphate mannose (GDP-Man; **C**), and uridine diphosphate glucuronic acid (UDP-GlcA; **D**) are also shown. Two independent analyses were performed, and the data shown represent one of the two, with ranges indicating duplicate measurements within that analysis.