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(54) Title: OLIGOSACCHARIDE COMPOSITIONS, GLYCOPROTEINS AND METHODS TO PRODUCE THE SAME IN PROKARYOTES

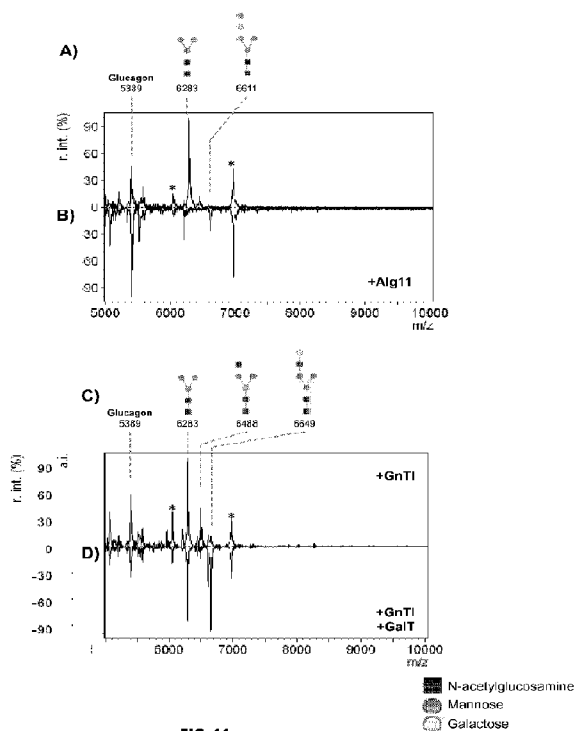


FIG. 11

(57) Abstract: Disclosed are methods and compositions to produce various oligosaccharide compositions and glycoproteins. Prokaryotic hosts cells are cultured under conditions effective to produce human-like e.g., high-mannose, hybrid and complex glycosylation patterns by introducing glycosylation pathways into the host cells.



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