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(54) **Title:** FERMENTATIVE PRODUCTION OF OLIGOSACCHARIDES BY TOTAL FERMENTATION UTILIZING A MIXED FEEDSTOCK

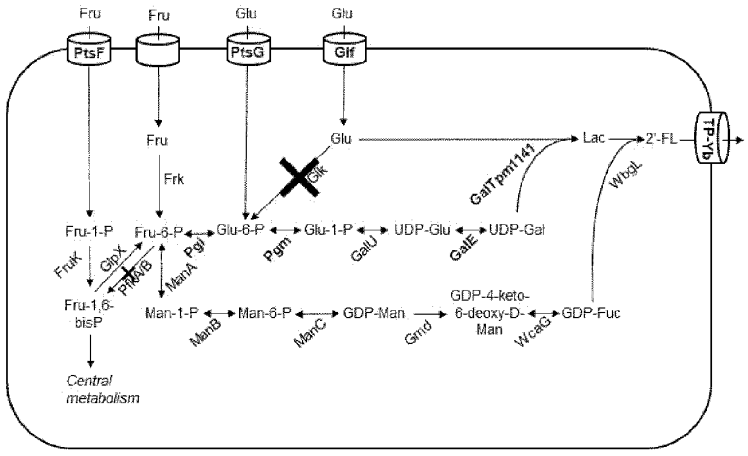


Fig. 3

(57) **Abstract:** Disclosed are genetically engineered microbial cells for the production of oligosaccharides comprising a galactose-β1,4-glucose moiety at their reducing end, wherein said microbial cells are able to produce said oligosaccharides in the absence of exogenously added lactose, and a method of producing said oligosaccharides using said microbial cells.

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