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(54) Title: FERMENTATIVE PRODUCTION OF SIALYLATED SACCHARIDES

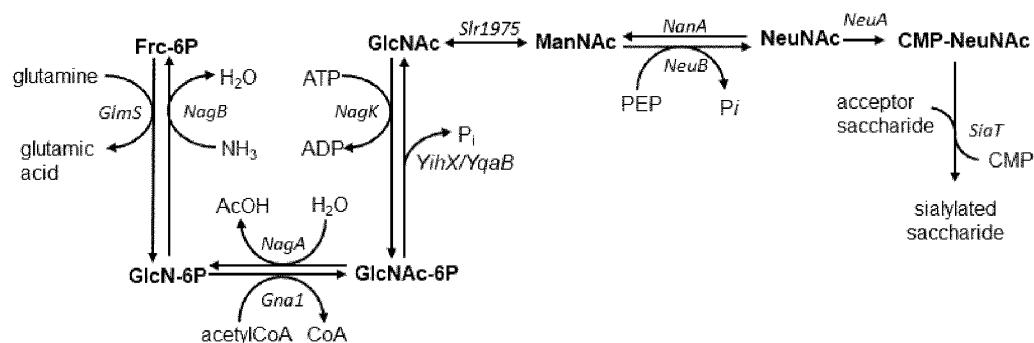


Fig. 2

(57) **Abstract:** Disclosed are methods for the fermentative production of a sialylated saccharide and genetically engineered microbial cells for use in said method, wherein the genetically engineered microbial cells comprise (i) a sialic acid biosynthesis pathway comprising a glucosamine-6-phosphate *N*-acetyltransferase, (ii) a cytidine 5'-monophospho- (CMP)-*N*-acetylneuraminic acid synthetase; and (iii) a sialyltransferase, for producing sialylated saccharides, as well as the use of said sialylated oligosaccharides for providing nutritional compositions.

