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(54) Title: RECOMBINANT BACTERIA COMPRISING NOVEL SUCROSE TRANSPORTERS

(57) Abstract: Recombinant bacteria capable of metabolizing sucrose are described. The recombinant bacteria comprise in their genome or on at least one recombinant construct, a novel nucleotide sequence encoding a polypeptide having sucrose transporter activity and a nucleotide sequence encoding a polypeptide having sucrose hydrolase activity. These nucleotide sequences are each operably linked to the same or a different promoter. Recombinant bacteria capable of metabolizing sucrose to produce glycerol and/or glycerol-derived products such as 1,3-propanediol and 3-hydroxypropionic acid are also described.

