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(54) Title: PRODUCTION OF 3-FUCOSYLLACTOSE AND LACTOSE CONVERTING α -1,3-FUCOSYLTRANSFERASE ENZYMES

(57) Abstract: The present invention relates to methods for producing 3-fucosyllactose (3-FL) as well as novel fucosyltransferases, more specifically novel lactose binding alpha-1,3-fucosyltransferase polypeptides, and their applications. Furthermore, the present invention provides methods for producing 3-fucosyllactose (3-FL) using the novel lactose binding alpha-1,3-fucosyltransferases.



WO 2020/127417 A2