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(54) Title: XYLOSE FERMENTING YEAST CONSTRUCTED USING A MODIFIED GENOME SHUFFLING METHOD

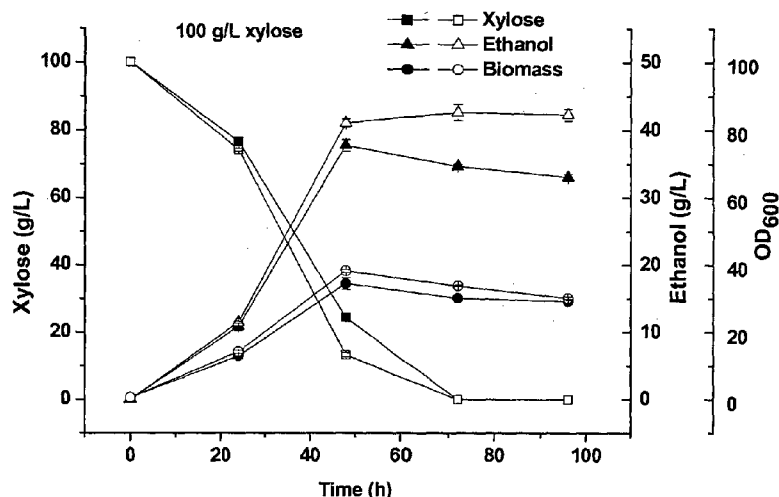


Figure 3 (a)

(57) Abstract: Disclosed is a method of providing a recombinant microorganism. The method comprises the steps of: (a) providing a hybrid microorganism comprising DNA from a host microorganism and a donor microorganism; and (b) fusing DNA extracted from a second microorganism into the hybrid microorganism to form the recombinant microorganism. Also disclosed are recombinant yeasts produced by the method of the present disclosure and a method of fermenting sugar using the recombinant yeast produced by the method of the present disclosure.