

Title (en)
NUCLEIC ACID-BINDING CHIPS FOR DETECTING NITROGEN DEFICIENCIES AS PART OF BIOPROCESS CONTROL

Title (de)
NUKLEINSÄURE-BINDENDE CHIPS ZUR DETEKTION VON STICKSTOFFMANGELZUSTÄNDEN IM RAHMEN DER BIOPROZESSKONTROLLE

Title (fr)
PUCES LIANT LES ACIDES NUCLEIQUES, DESTINEES A DETECTER DES ETATS DE CARENCE EN AZOTE DANS LE CADRE DU CONTROLE DE PROCESSUS BIOLOGIQUES

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Application
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Priority
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Abstract (en)
[origin: WO2007028608A2] The invention relates to nucleic acid-binding chips for monitoring bioprocesses, specifically for detecting nitrogen deficiencies. Said chips carry probes that are sensitive to at least three of the following 50 genes: kdgR, citA, htrA, ycnI, yppF, trpB, ggt, alsR, glnA, nrgA, yciC, yvtA, nrgB, ycnJ, glnR, yvlA, yncE, yvlB, trpF, ydfS, trpD, ycnK, trpB, trpC, nasD, ycdH, nasC, nasB, trpE, pckA, nasF, yrkC and tnrA or the homologs to SEQ ID NO. 91, 41, 53, 19, 55, 47, 21, 17, 9, 85, 45, 49, 95, 63, 15, 93 or 81 at a maximum of 80 different probes that are specific of nitrogen metabolism. The invention also relates to the use of corresponding gene probes, especially on the aforementioned chips, to corresponding methods and possible uses.

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CPC (source: EP US)
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Citation (search report)
See references of WO 2007028608A2

Citation (examination)
MIKLOS GEORGE L GABOR ET AL: "Microarray reality checks in the context of a complex disease", NATURE BIOTECHNOLOGY, NATURE PUBLISHING GROUP, NEW YORK, NY, US LNKD- DOI:10.1038/NBT965, vol. 22, no. 5, 1 May 2004 (2004-05-01), pages 615 - 621, XP002390544, ISSN: 1087-0156

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