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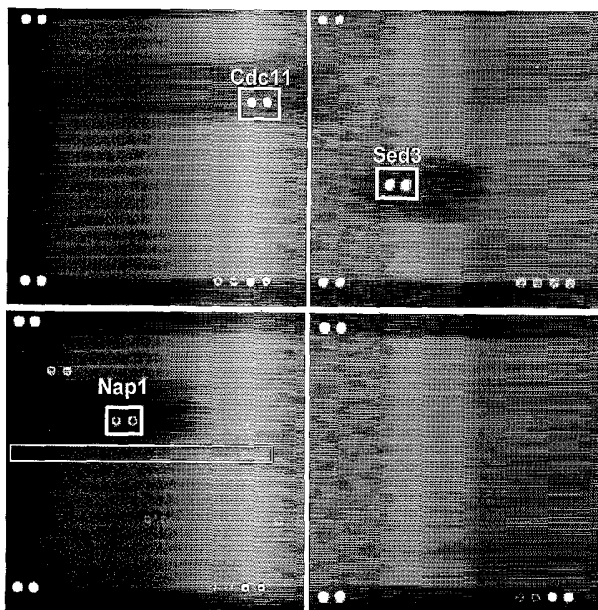
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(54) Title: METHOD FOR PREDICTION OF AN EPITOPE

Anti-Cdc11



Anti-Sed3

Anti-Nap1

Anti-Myc

(57) **Abstract:** The invention provides methods for the prediction of an epitope in a target protein. An epitope of the target protein can be bound by a given molecule, e.g., by an antibody. In particular, the methods of the invention comprise (i) identifying a plurality of cross-reactive proteins, i.e., proteins that can be bound by the same molecule, e.g., by the same antibody, as the target protein using, e.g., protein microarrays; and (ii) comparing the amino acid sequences of the target protein and the cross-reactive proteins with each other to identify windows of sequence homology, wherein the windows of sequence homology correspond to the epitope. Figure (1) illustrates fluorescent images of antibody probeings of the yeast proteome microarray.



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B. FIELDS SEARCHED

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x	LIU et al, Nature Biotechnology, Vol. 20, pp 835-839, August 2002 (08.2002), see entire document.	1-30
Y	GENEMED (PRODUCT ANALYSIS CERTIFICATE, CATALOG #:05-100), pp 1-11, (2002), see entire document.	1-30

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