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(54) Title: METHODS USING PORES

(57) Abstract: The invention relates to a method of identifying an individual nucleotide, comprising (a) contacting the nucleotide with a transmembrane protein pore so that the nucleotide interacts with the pore and (b) measuring the current passing through the pore during the interaction and thereby determining the identity of the nucleotide. The invention also relates to a method of sequencing nucleic acid sequences and kits related thereto.