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TITLE

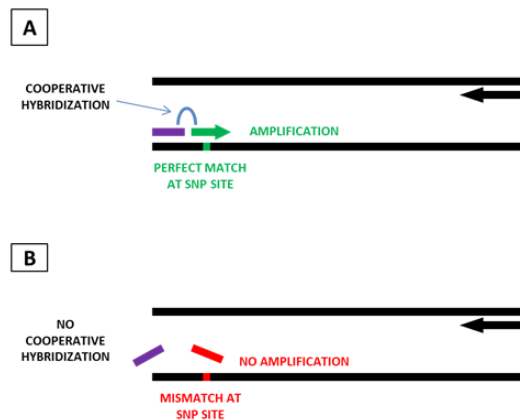
Reazione di amplificazione di acidi nucleici con primer cooperativi

INVENTORS

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DESCRIPTION

The invention relates to a method for the simultaneous identification and amplification of single nucleotide polymorphisms (SNPs). This method, called COoperative Primers PCR (CooP PCR), is based on the use of short PCR primers that cooperatively hybridize on the SNP site on the template DNA, highly enhancing the SNP discrimination efficiency. This allows highly specific PCR amplification only of the SNP variant searched for. The assay is low-cost, as it is based on standard PCR primers, and universal, as it can be applied to any SNPs, irrespective of its genomic context..



APPLICATIONS

DNA amplification, PCR

KEYWORDS

SNPs fingerprinting, low-cost, rare mutation detection, cooperative hybridization, PCR

BIBLIOGRAPHIC DATA

Cooperative primers PCR (coop. PCR)

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