SUMMARY

AN ITERATIVE BEAM SEARCH ALGORITHM FOR DEGENERATE PRIMER SELECTION

Created by Richard M. Souvenir

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Description :

Single Nucleotide Polymorphism (SNP) Genotyping is an important molecular genetics process in the early stages of producing results that will be useful in the medical eld. Due to inherent complexities in DNA manipulation and analysis, many di erent methods have been proposed for a standard assay. One of the proposed techniques for performing SNP Genotyping requires amplifying regions of DNA surrounding a large number of SNP loci. In order to automate a portion of this particular method, it is necessary to select a set of primers for the experiment. Selecting these primers can be formulated as the Multiple Degenerate Primer Design (MDPD) problem

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Thank You,

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