PACKAGE ID - 001082SPARC00 SIMSEQ

KWIC TITLE - Reconstructing of a Sequence Using Similar Sequences

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LIMITATION CODE -COPY **AUDIENCE CODE -** LIM

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DESCRIPTION - SIMSEQ reconstructs sequences from oligos. Similar known sequences are used as a reference. At present, simulated data are being used to develop the algorithm. SIMSEQ generates an initial random sequence, then generates a second sequence that is 60 to 90 percent similar to the first. Next, the second sequence is chopped into its appropriate oligos. All possible sequences are reconstructed to determine the most similar. Those with the highest similarity are printed as output.

PACKAGE CONTENTS - Media Directory; Software Abstract; Media Includes Source;

SOURCE CODE INCLUDED? - Yes

MEDIA QUANTITY - 1 3.5 Diskette

COMPUTER - SUN SPARC

OPERATING SYSTEMS - Unix

PROGRAMMING LANGUAGES - C

SOURCE CODE AVAILABLE (Y/N) - Y

ABSTRACT STATUS - Submitted 4/4/96 Released AS-IS 6/21/96.

SUBJECT CLASS CODE - Y

KEYWORDS -
COMPUTER PROGRAM DOCUMENTATION
S CODES
OLIGONUCLEOTIDES
DNA SEQUENCING
DATA ANALYSIS
GENOME MUTATIONS
HUMAN POPULATIONS

EDB SUBJECT CATEGORIES -
990200 550200

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SPONSOR - DOE/EH

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