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(54) Title: METHODS OF POPULATING DATA STRUCTURES FOR USE IN EVOLUTIONARY SIMULATIONS

(57) Abstract

In particular, this invention provides novel methods of populating data structures for use in evolutionary modeling. In particular, this invention provides methods of populating a data structure with a plurality of character strings. The methods involve encoding two or more biological molecules into character strings to provide a collection of two or more different initial character strings; selecting at least two substrings from the pool of character strings; concatenating the substrings to form one or more product strings about the same length as one or more of the initial character strings; addding the product strings to a collection of strings; and optionally repeating this process using one or more of the product strings as an initial string in the collection of initial character strings.

