

Title (en)
SYSTEM AND METHODS FOR ANALYZING BIOMOLECULAR SEQUENCES

Title (de)
SYSTEM UND VERFAHREN ZUM ANALYSIEREN VON BIOMOLEKULAREN SEQUENZEN

Title (fr)
SYSTEME ET PROCEDES D'ANALYSE DE SEQUENCES BIOMOLECULAIRES

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Application
EP 99916165 A 19990325

Priority
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Abstract (en)
[origin: WO9949403A1] Polymer sequences are assembled into bins. A first number of bins are populated with polymer sequences. The polymer sequences in each bin are assembled into one or more consensus sequences representative of the polymer sequences of the bin. The consensus sequences of the bins are compared to determine relationships, if any, between the consensus sequences of the bins. The bins are modified based on the relationships between the consensus sequences of the bins. The polymer sequences are reassembled in the modified bins to generate one or more modified consensus sequences for each bin representative of the modified bins. In another aspect of the invention, sequence similarities and dissimilarities are analyzed in a set of polymer sequences. Pairwise alignment data is generated for pairs of the polymer sequences. The pairwise alignment data defines regions of similarity between the pairs of polymer sequences with boundaries. Additional boundaries in particular polymer sequences are determined by applying at least one boundary from at least one pairwise alignment for one pair of polymer sequences to at least one other pairwise alignment for another pair of polymer sequences including one of the particular polymer sequences. Additional regions of similarity are generated based on the boundaries.

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