RESEQUENCING PATHOGEN MICRO ARRAY

Abstract

The present invention relates to pathogen detection and identification by use of DNA resequencing microarrays. The present invention also provides resequencing microarray chips for differential diagnosis and serotyping of pathogens present in a biological sample. The present invention further provides methods of detecting the presence and identity of pathogens present in a biological sample. The present invention also provides a computer-implemented biological sequence identifier (CIBSI) system and method for selecting a subsequence from biological sequence data according to at least one selection parameter. The at least one selection parameter corresponds to a likelihood of returning a meaningful result from a similarity search.

Figure 1