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(54) Title: COMPUTER-IMPLEMENTED BIOLOGICAL SEQUENCE IDENTIFIER SYSTEM AND METHOD

(57) Abstract: A method of: submitting reference sequences to a taxonomic database to produce taxonomic results; and reporting a taxonomic identification based on the taxonomic results. The reference sequences are the output of genetic database queries that return a score for each reference sequence. A method for processing a biological sequence obtained from an assay by: converting base calls located in a predetermined list of positions within the biological sequence to N; and determining the ratio of single nucleotide polymorphisms in the biological sequence relative to a reference sequence. Each entry in the predetermined list of positions represents the capability of a substance hybridizing to a microarray used to generate the biological sequence. The substance is not the nucleic acid of a target pathogen.

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