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(54) **Title:** BIOMARKERS AND USES THEREOF

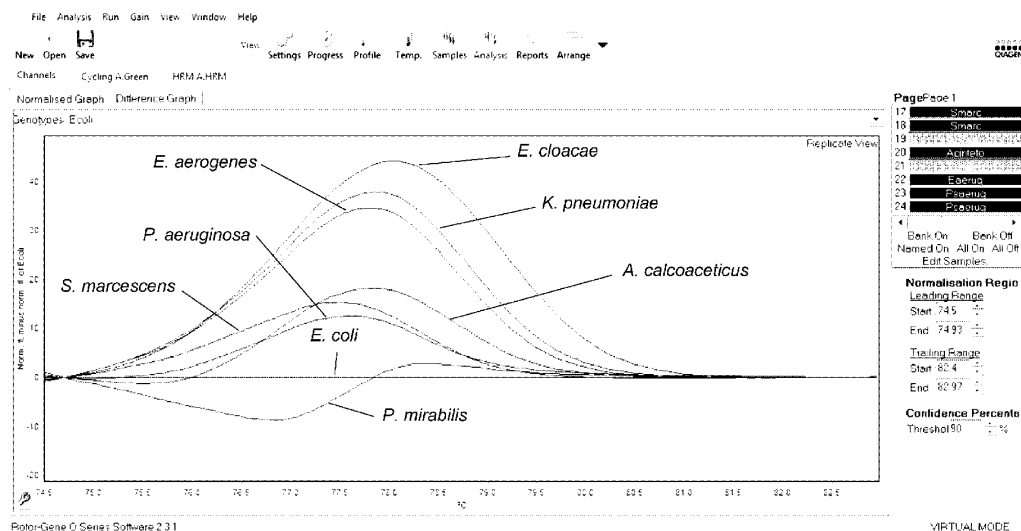


Figure 9

(57) **Abstract:** The present invention generally relates to methods and agents for identifying and/or classifying microbes (especially bacteria), yeast organisms and filamentous fungi. In particular, the present invention concerns the discovery of unique single nucleotide polymorphisms (SNPs) in bacterial 16S ribosomal RNA (16S rRNA) and yeast organism and filamentous fungi 18S ribosomal RNA, and methods of classifying and/or identifying bacteria, yeast organisms and/or filamentous fungi in a sample based on the presence of one or more of those SNPs. The present invention also concerns probes, primers and kits that are useful in those methods.

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