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(54) **Title: A METHOD OF PROFILING A MICROBIOTIC COMPOSITION**

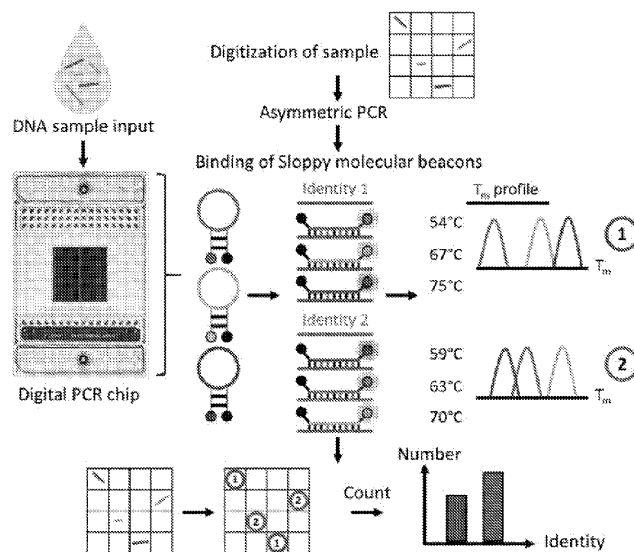


Fig. 1

(57) **Abstract:** There is provided a method of profiling a microbiotic composition of a sample comprising the nucleic acid molecules of the microbiotic composition, the method comprising a) partitioning the sample in a sufficient number of partitions such that at least a portion of the partitions comprises no more than one nucleic acid molecule of the microbiotic composition; b) contacting the partitions of the sample to a plurality of mismatch-tolerant probes that are capable of binding to the nucleic acid molecules or parts thereof under suitable conditions; c) determining signals generated by each of the plurality of mismatch-tolerant probes in each partition; and d) establishing the microbiotic composition in the sample based on the signals. Also disclosed is a method of determining a health and kits for uses in the methods as described herein.

[Continued on next page]

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