【CLAIMS】

【Claim 1】

A method of providing information for diagnosing one or more diseases, comprising the following steps:

(a) extracting DNAs from vesicles isolated from blood or urine samples of a normal individual and a subject;

(b) performing polymerase chain reaction (PCR) on the extracted DNA using a pair of primers of SEQ ID NO: 1 and SEQ ID NO: 2 to obtain each PCR product; and

(c) determining a case in which a content of vesicles derived from the genus *Sphingomonas* is lower than that of the normal individual sample, as one or more diseases selected from the group consisting of hepatic cirrhosis, liver cancer, renal insufficiency, brain tumors, and depression, through quantitative analysis of the PCR product, and wherein the sample is blood, or

determining a case in which a content of vesicles derived from the genus *Sphingomonas* is lower than that of the normal individual sample, as atopic dermatitis, through quantitative analysis of the PCR product, and wherein the sample is urine.

【Claim 2】

Use of one or more vesicles selected from the group consisting of *Sphingomonas paucimobilis*-derived vesicles and *Sphingomonas koreensis*-derived vesicles in the manufacture of a composition for anti-inflammation.

【Claim 3】

The use of claim 3, wherein the vesicles have an average diameter of 10 to 200 nm.

【Claim 4】

The use of claim 3, wherein the vesicles are secreted naturally or artificially from *Sphingomonas paucimobilis* or *Sphingomonas koreensis*.

【Claim 5】

The use of claim 3, wherein the composition is a pharmaceutical composition, a food composition or a cosmetic composition.

【Claim 6】

Use of *Sphingomonas paucimobilis*-derived vesicles in the manufacture of a composition for delivering a drug treating a brain disease.