CLAIMS

1. A method for identifying an olfactory receptor in nematodes, characterized by identifying an olfactory receptor using nematodes.

2. The method according to claim 1, wherein the expression or function of a gene encoding the receptor is inhibited, and the reaction of the inhibited nematodes to a smell is tested.

3. The method according to claim 2, wherein the expression or function of the receptor gene is inhibited by RNAi.

4. The method according to claim 2 or 3, wherein the smell is the smell of cancer types.

5. The method according to any one of claims 1 to 4, wherein the type of a receptor to be identified is different depending on the cancer types or the concentration of an odorant.

6. The method according to any one of claims 1 to 5, wherein the nematodes are *Caenorhabditis elegans.*