Prior art Documents

Non-patent documents

[0004]

[Non-patent document 1] Filippucci et al. Biotechnol Biofuels (2016) 9:259, DOI 10.1186/s13068-016-0672-1

Summary of Invention

Problem to be solved by the invention

[0005]

As mentioned above, some strains of yeast in the genus *Leucosporidium* have been reported to be highly productive of fats and oils, but they are hypothermic, which poses a challenge for industrial use. Therefore, an object of the present invention is to provide a method for producing fats and oils using a mesophilic yeast that is advantageous in industrial production among yeasts of the genus *Leucosporidium*, and to provide a new yeast strain that can be used in said method.

Means to solve the problem

[0006]

In order to solve the above problem, the inventors have studied the yeast belonging to *Leucosporidium golubevii* and found that it is superior in the production of fats and oils. They also found that among the strains belonging to *Leucosporidium golubevii*, there were strains with relatively high temperature tolerance. In particular, a new oleaginous yeast IS-300 strain, was found to be more temperature tolerant than other *Leucosporidium* species and actively grew and produced fats and oils even under 28°C culture conditions. Based on these findings, the present invention was completed.