CLAIMS

1. An isolated ~~N~~nonpathogenic nonfilamentous Gram-negative bacterium belonging to the class of *Betaproteobacteria*, subfamily of *Neisseriaceae*, characterized in that the nucleotide sequence of the 16S rRNA gene of said bacterium includes sequence SEQ ID No. 1 and

in that it includes at least one plasmid comprising sequence SEQ ID No. 2, or any sequence with at least 80% identity with said sequence SEQ ID No. 2.

2. Bacterium according to claim 1, deposited with the CNCM on April 8, 2010, under the reference I-4290, or any other mutant directly arising from strain I-4290.

3. Bacterial extract obtained from a suspension of bacteria according to any one of claims 1 and 2.

4. Bacterial extract according to claim 3, characterized in that it is obtained after treatment of said bacterial suspension in such a way as to eliminate the intracellular components.

5. Bacterial extract according to claim 4, characterized in that said intracellular components include at least the nucleic acids.

6. Bacterial extract according to claim 4 or claim 5, characterized in that it includes a fraction E0 comprising at least membrane proteins, periplasmic proteins and proteins arising from the flagellum.

7. Bacterial extract according to claim 6, characterized in that said membrane proteins consist of porins, OmpA, lipopolysaccharides and/or lipoproteins.

8. Bacterial extract according to claim 4 or claim 5, characterized in that it includes a fraction S0 comprising at least secreted peptides and proteins and secondary metabolites.

9. Bacterial extract according to claim 4 or claim 5, characterized in that it includes a fraction ES0 comprising at least fraction E0 and fraction S0.

10. Bacterial extract according to claim 9, characterized in that it includes a fraction ES0 with a protein profile, obtained by SDS-PAGE, which includes three

principal bands corresponding to molecular weights ranging between 30 kDa and 36 kDa, 41 kDa and 45 kDa, and 47 kDa and 51 kDa, respectively.

11. Use of a bacterium according to any one of claims 1 and 2 and/or a bacterial extract according to any one of claims 3 to 10 for the preparation of a composition ~~intended~~ for the treatment and/or the prevention of dermatological inflammatory disorders.

12. Use according to claim 11, characterized in that said dermatological inflammatory disorders consist of atopic dermatitis, pruritus, eczema and psoriasis.

13. Composition comprising, as an active ingredient, at least one bacterium according to any one of claims 1 and 2 and/or one bacterial extract according to any one of claims 3 to 10.

14. Composition according to claim 13, for use in therapy.~~the treatment of dermatological inflammatory disorders.~~

~~15. Composition according to claim 14, characterized in that said dermatological inflammatory disorders consist of atopic dermatitis, pruritus, eczema and psoriasis.~~

~~16.~~15. Cosmetic or dermatological composition according to claims 13 or 14, characterized in that it further includes one or more typical dermatologically-compatible excipients.