CLAIMS

1. Use of a composition comprising:

one or more isolated probiotic bacterial strains and/or a postbiotic fraction of the one or more probiotic bacterial strain, in which the one or more probiotic bacterial strains is selected from the group of lactic acid bacteria consisting of *Lactiplantibacillus plantarum* LB681R (DSM 34250), *Lacticaseibacillus paracasei subsp. paracasei* LB555R (DSM 34249), *Lactiplantibacillus plantarum* LB356R (DSM 33094), *Lactiplantibacillus plantarum* LB244R (DSM 32996) and *Pediococcus pentosaceus* LB606 (DSM 33730), in which the *Pediococcus pentosaceus* (LB606R) is a viable *Pediococcus pentosaceus* (LB606R), and

an acceptable carrier,

for the preparation of a therapeutic composition capable of inhibiting fungal proliferation, in which the composition has a pH below 6.5.

2. Use according to Claim 1, in which the composition comprises nucleic acid and/or nucleotides.

3. Use according to Claim 1 or 2, in which the composition has a pH value below pH 5.5.

4. Use according to Claim 1, 2 or 3, in which the composition is formulated into a soap, a shampoo, an emulsion, an oil, a paste, a powder, a talc, a lotion, a foam, a gel, an ointment, a suspension, a mist, a liquid, or a tablet.

5. Use according to any preceding claim, in which the composition is an anti-dandruff composition, and preferably a leave-on scalp treatment.

6. Use according to any preceding claim, in which the fraction comprises a bacteriocin, an organic acid, a cell wall material, or a combination thereof.

7. Use according to any preceding claim, in which the one or more isolated probiotic bacterial strains comprises a viable probiotic bacteria.

8. Use according to any preceding claim, for the preparation of a therapeutic composition for the prevention and/or treatment of mycoses and/or dandruff in a human or in an animal.

9. Use according to Claim 8, in which the prevention and/or treatment of mycoses and/or dandruff in a human or in an animal is prevention and/or treatment of conditions associated with the proliferation of yeasts of the Malassezia genus on a scalp, on hands, on ears, on feet, on nails or on skin of a subject.

10. A topical hair care composition comprising a combination of a composition comprising:

one or more isolated probiotic bacterial strains and/or a postbiotic fraction of the one or more probiotic bacterial strain, in which the one or more probiotic bacterial strains is selected from the group of lactic acid bacteria consisting of *Lactiplantibacillus plantarum* LB681R (DSM 34250), *Lacticaseibacillus paracasei subsp. paracasei* LB555R (DSM 34249), *Lactiplantibacillus plantarum* LB356R (DSM 33094), *Lactiplantibacillus plantarum* LB244R (DSM 32996) and *Pediococcus pentosaceus* LB606 (DSM 33730), in which the *Pediococcus pentosaceus* (LB606R) is a viable *Pediococcus pentosaceus* (LB606R), and

an acceptable carrier, and

a shampoo matrix with pH below 6.5 comprising at least one detersive surfactant selected from the group consisting of an anionic surfactant, a nonionic surfactant, and an amphoteric surfactant, or a combination thereof.

11. A composition according to Claim 10, in which the composition comprises viable probiotic bacteria in a concentration from 10^3 to 10^{13} colony forming units of bacteria per gram.

12. A composition according to Claim 10 or 11, in which the composition has a pH in the range of 3.5-5.5.

13. A composition comprising:

one or more isolated viable probiotic bacterial strains and/or a postbiotic fraction of one or more probiotic bacterial strain, in which the postbiotic fraction of one or more probiotic bacterial strain selected from the group of lactic acid bacteria consisting of *Lactiplantibacillus plantarum* LB681R (DSM 34250), *Lacticaseibacillus paracasei subsp. paracasei* LB555R (DSM 34249), *Lactiplantibacillus plantarum* LB356R (DSM 33094), *Lactiplantibacillus plantarum* LB244R (DSM 32996) and *Pediococcus pentosaceus* LB606 (DSM 33730), and

an acceptable carrier,

in which the one or more isolated probiotic bacterial strains is capable of inhibiting fungal proliferation, in which the composition is formulated into a powder.

14. A composition according to Claim 13, in which the composition is a topical composition.

15. A composition according to Claim 13 or 14, in which the one or more isolated viable probiotic bacterial strains is selected from the group of lactic acid bacteria consisting of *Lactiplantibacillus plantarum* LB681R (DSM 34250), *Lacticaseibacillus paracasei subsp. paracasei* LB555R (DSM 34249), *Lactiplantibacillus plantarum* LB356R (DSM 33094), *Lactiplantibacillus plantarum* LB244R (DSM 32996) and *Pediococcus pentosaceus* LB606 (DSM 33730).

16. Use of a composition according to Claim 13, 14 or 15, for the preparation of a therapeutic composition for the treatment of dandruff and/or mycosis in which the composition comprises viable probiotic microorganisms in at least a concentration of 10^3 colony forming unit per gram of composition in which the probiotic microorganism is able to produce anti-dandruff and/or anti-mycosis actives.

17. Use according to Claim 16, in which the composition is a dry-shampoo.

18. Use according to Claim 16 or 17, in which the treatment is scalp treatment, skin treatment or diaper rash treatment.

19. Use of a composition comprising:

one or more isolated probiotic bacterial strains and/or a postbiotic fraction of the one or more probiotic bacterial strain, in which the one or more probiotic bacterial strains is selected from the group of lactic acid bacteria consisting of *Lactiplantibacillus plantarum* LB681R (DSM 34250), *Lacticaseibacillus paracasei subsp. paracasei* LB555R (DSM 34249), *Lactiplantibacillus plantarum* LB356R (DSM 33094), *Lactiplantibacillus plantarum* LB244R (DSM 32996) and *Pediococcus pentosaceus* LB606 (DSM 33730), in which the *Pediococcus pentosaceus* (LB606R) is a viable *Pediococcus pentosaceus* (LB606R), and

an acceptable carrier,

in which the one or more isolated probiotic bacterial strains for the preparation of a non-therapeutic composition is capable of inhibiting fungal proliferation, in which the composition has a pH below 6.5.