and specific oral diseases, and additional improvements, as well as methods of administration or uses thereof.

Summary

In one aspect of the disclosure there is provided a composition for use in oral hygiene, comprising an oral hygiene effective amount of a probiotic, the probiotic comprising a *Lactobacillus helveticus* strain.

In one embodiment of the present disclosure, there is provided a composition for use in oral hygiene, comprising an oral hygiene effective amount of a probiotic, the probiotic comprising a *Lactobacillus helveticus* strain and a *Lactobacillus plantarum* strain.

In another embodiment of the present disclosure, there is provided a composition for use in oral hygiene, comprising an oral hygiene effective amount of a probiotic, the probiotic comprising a *Lactobacillus helveticus* strain and *Bifidobacterium longum* SD5846.

In another aspect of the present disclosure, there is provided a composition for use in preventing dental caries, comprising a dental caries preventing effective amount of a probiotic, the probiotic comprising *Lactobacillus plantarum* SD5870.

In another aspect of the present disclosure, there is provided a composition for use in preventing dental caries, comprising a dental caries preventing effective amount of a probiotic, the probiotic comprising *Bifidobacterium longum* SD5846.

In another embodiment of the present disclosure, there are provided uses of the aforementioned probiotics for oral hygiene.

In another embodiment of the present disclosure, there are provided uses of the aforementioned probiotics for the preparation of a medicament for oral hygiene.

24. Use of a composition as defined in any one of claims 1 to 23 for preparation of a medicament for oral hygiene in a subject.

25. The use according to claim 24, wherein the composition is formulated as a tablet, pill, powder, lozenge, sachet, cachet, elixir, suspension, emulsion, solution, syrup, aerosol, capsule, paste, food or confectionary.

26. The use according to claim 24, wherein the composition is formulated as a toothpaste, chewing gum or effervescent tablet.

27. The use according to claim 24 to 26, wherein the subject is a human, dog, cat or horse.

28. The use according to claim 24 to 27, wherein oral hygiene comprises preventing or treating dental caries, halitosis, gingivitis, mouth ulcers, aphthous stomatitis, candidiasis and/or a periodontal disease.

29. The use according to claim 24 to 28 for treating or preventing dental caries.

30. A commercial package comprising a *Lactobacillus helveticus* strain and instructions for its use in oral hygiene in a subject.

31. A commercial package comprising a composition as defined in any one of claims 1 to 23 and instructions for its use in oral hygiene in a subject.

32. The commercial package according to claim 31, wherein the composition is formulated as a tablet, pill, powder, lozenge, sachet, cachet, elixir, suspension, emulsion, solution, syrup, aerosol, capsule, paste, food or confectionary.

33. The commercial package according to claim 31, wherein the composition is formulated as a toothpaste, chewing gum or effervescent tablet.

34. The commercial package according to any one of claims 30 to 33, wherein the subject is a human, dog, cat or horse.

35. The commercial package according to any one of claims 30 to 34, wherein oral hygiene comprises preventing or treating dental caries, halitosis, gingivitis, mouth ulcers, aphthous stomatitis, candidiasis and/or a periodontal disease.

36. The commercial package according to any one of claims 30 to 35, wherein oral hygiene comprises preventing dental caries.