19. Recombinant probiotic bacteria according to claim 18, wherein said inflammatory skin dysfunction is an inflammatory skin disease or an inflammatory connective tissue disease.

20. Recombinant probiotic bacteria according to claim 19, wherein said inflammatory skin disease is frostbite, eczema, psoriasis, dermatitis, ulcer, wound, lupus erythematosus, neurodermitis, or combinations thereof.

21. Recombinant probiotic bacteria according to claim 20, wherein said wound is a burn wound, a chemical wound, a radiation induced wound, an ischemic wound or a mechanical wound.

22. Recombinant probiotic bacteria according to claim 20, wherein said ulcer is a decubitus ulcer or an ulcus cruris.